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UNITED STATESSECURITIES AND EXCHANGE COMMISSIONWashington, D.C. 20549Â FORM 10-QÂ (Mark One)Â â˜ Â Â Â Â QUARTERLY REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934Â For the quarterly period ended September 30, 2024Â ORÂ â˜Â Â Â Â Â TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934Â For the transition period from _____ to _____Â Commission file number 000-27548Â LIGHTPATH TECHNOLOGIES, INC.(Exact name of registrant as specified in its charter)Â DelawareÂ 86-0708398(State or other jurisdiction of incorporation or organization) Â (I.R.S. Employer Identification No.)Â 2603 Challenger Tech Ct. Suite 100Orlando, Florida 32826(Address of principal executive offices)(ZIP Code)Â (407) 382-4003(Registrantâ€™s telephone number, including area code)Â Securities registered pursuant to Section 12(b) of the Act:Â Title of each classTrading Symbol(s)Name of each exchange on which registeredClass A Common Stock, par value $0.01LPTHThe Nasdaq Stock Market, LLCÂ Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes â˜Â Â Â Â NO â˜Â Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Â§232.405 of this chapter) during the preceding 12 months (or such shorter period that the registrant was required to submit such files). Yes â˜Â Â Â Â NO â˜Â Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of â€œlarge accelerated filer,â€ â€œaccelerated filer,â€ â€œsmaller reporting company,â€ and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act.Â Large accelerated filerÂ Accelerated filerÂ Non-accelerated filerÂ Smaller reporting companyÂ Â Emerging growth companyÂ If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act Â Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). YES Â Â Â Â Â NO Â Indicate the number of shares outstanding of each of the issuerâ€™s classes of common stock, as of the latest practicable date:Â 39,664,887 shares of Class A common stock, $0.01 par value, outstanding as of November 4, 2024.Â Â Â Â LIGHTPATH TECHNOLOGIES, INC.Form 10-QÂ IndexÂ Item Â PageÂ Â Â Â Â Â Â Cautionary Note Concerning Forward-Looking StatementsÂ 3Â Â Â Â Â Â Part I Financial InformationÂ Â Â Â Â Â Â Â Item 1 Financial StatementsÂ 4Â Â Unaudited Condensed Consolidated Balance SheetsÂ 4Â Â Unaudited Condensed Consolidated Statements of Comprehensive Income (Loss) Â 5Â Â Unaudited Condensed Consolidated Statement of Changes in Stockholdersâ€™ Equity Â 6Â Â Unaudited Condensed Consolidated Statements of Cash FlowsÂ 7Â Â Notes to Unaudited Condensed Consolidated Financial StatementsÂ 8Â Item 2 Managementâ€™s Discussion and Analysis of Financial Condition and Results of OperationsÂ 21Â Â Results of OperationsÂ 23Â Â Liquidity and Capital ResourcesÂ 25Â Â Contractual Obligations and CommitmentsÂ 26Â Â Off-Balance Sheet ArrangementsÂ 26Â Â Critical Accounting Policies and EstimatesÂ 26Â Â How We OperateÂ 27Â Â Non-GAAP Financial MeasuresÂ 30Â Item 3 Quantitative and Qualitative Disclosures about Market RiskÂ 31Â Item 4 Controls and ProceduresÂ 31Â Â Â Â Â Â Part II Other InformationÂ Â Â Â Â Â Â Â Item 1Legal ProceedingsÂ 32Â Item 1ARisk FactorsÂ 32Â Item 2Unregistered Sales of Equity Securities, Use of Proceeds, and Issuer Purchases of Equity SecuritiesÂ 32Â Item 3Defaults Upon Senior SecuritiesÂ 32Â Item 4Mine Safety DisclosuresÂ 32Â Item 5Other InformationÂ 32Â Item 6ExhibitsÂ 33Â Â Â Â Â Â Â SignaturesÂ 34Â Â Â Â 2Table of ContentsÂ CAUTIONARY NOTE CONCERNING FORWARD-LOOKING STATEMENTSÂ Certain statements and information in this Quarterly Report on Form 10-Q for the quarter ended September 30, 2024 (the â€œQuarterly Reportâ€) may constitute â€œforward-looking statementsâ€ within the meaning of Section 27A of the Securities Act of 1933, as amended (the â€œSecurities Actâ€), Section 21E of the Securities Exchange Act of 1934, as amended (the â€œExchange Actâ€), and the Private Securities Litigation Reform Act of 1995. These forward-looking statements include, without limitation, statements concerning plans, opinions, expectations, beliefs, objectives, assumptions or projections regarding future events or future results and underlying assumptions and other statements, which are not statements of historical facts. In some cases, you can identify forward-looking statements by terminology such as â€œmay,â€ â€œwill,â€ â€œshould,â€ â€œexpect,â€ â€œplan,â€ â€œanticipate,â€ â€œbelieve,â€ â€œestimate,â€ â€œpredict,â€ â€œpotential,â€ or â€œcontinue,â€ or other comparable terminology. These forward-looking statements are based largely on our current expectations and assumptions and are subject to a number of risks and uncertainties, many of which are beyond our control. While management believes that these forward-looking statements are reasonable as and when made, there can be no assurance that future developments affecting us will be those that we anticipate. These statements are subject to many risks, uncertainties, and other important factors that could cause actual future results to differ materially from those expressed in the forward-looking statements including, but not limited to, our ability to obtain needed raw materials and components from our suppliers; general economic uncertainty in key global markets and a worsening of global economic conditions or low levels of economic growth; geopolitical tensions, the Russian-Ukraine conflict, and the Hamas/Israel war; the effects of steps that we could take to reduce operating costs; rising inflation and increased interest rates, which diminish capital market cash flow and borrowing power; our inability to sustain profitable sales growth, convert inventory to cash, or reduce our costs to maintain competitive prices for our products; circumstances or developments that may make us unable to implement or realize the anticipated benefits, or that may increase the costs, of our current and planned business initiatives; and those factors detailed by us in our public filings with the Securities and Exchange Commission (the â€œSECâ€), including in Item 1A, Risk Factors, in our Annual Report on Form 10-K for the year ended June 30, 2024. In light of these risks and uncertainties, all of the forward-looking statements made herein are qualified by these cautionary statements and there can be no assurance that the actual results or developments anticipated by us will be realized. We undertake no obligation to update or revise any of the forward-looking statements contained herein.Â Â 3Table of ContentsÂ PART I. FINANCIAL INFORMATIONÂ Item 1. Financial StatementsÂ LIGHTPATH TECHNOLOGIES, INC.Condensed Consolidated Balance Sheets(unaudited)Â Â September 30,Â Â June 30,Â AssetsÂ 2024Â Â 2024Â Current assets:Â Â Â Â Â Â Â Cash and cash equivalentsÂ $4,280,637Â Â $3,480,268Â Trade accounts receivable, net of allowance of $20,870 and $25,676Â Â 5,196,840Â Â Â Â 4,928,931Â Inventories, netÂ Â 6,790,204Â Â Â Â 6,551,059Â Prepaid expenses and depositsÂ Â 538,580Â Â Â Â 445,900Â Other current assetsÂ Â 2,218Â Â Â Â 131,177Â Total current assetsÂ Â 16,808,479Â Â Â Â 15,537,335Â Â Â Â Â Â Â Â Â Â Â Property and equipment, netÂ Â 14,921,499Â Â Â Â 15,210,612Â Operating lease right-of-use assetsÂ Â 6,514,321Â Â Â Â 6,741,549Â Intangible assets, netÂ Â 3,254,963Â Â Â Â 3,650,739Â GoodwillÂ Â 6,764,127Â Â Â Â 6,764,127Â Deferred tax assets, netÂ Â 123,000Â Â Â Â 123,000Â Other assetsÂ Â 58,001Â Â Â Â 59,602Â Total assetsÂ $48,444,390Â Â $48,086,964Â Liabilities and Stockholdersâ€™ EquityÂ Â Â Â Â Â Â Â Â Current liabilities:Â Â Â Â Â Â Â Â Â Accounts payableÂ $2,661,862Â Â $3,231,713Â Accrued liabilitiesÂ Â 1,413,876Â Â Â Â 1,911,867Â Accrued payroll and benefitsÂ Â 1,487,707Â Â Â Â 1,446,452Â Operating lease liabilities, currentÂ Â 1,028,981Â Â Â Â 1,059,998Â Loans payable, current portionÂ Â 2,963,855Â Â Â Â 209,170Â Finance lease obligation, current portionÂ Â 183,656Â Â Â Â 177,148Â Total current liabilitiesÂ Â 9,739,937Â Â Â Â 8,036,348Â Â Â Â Â Â Â Â Â Â Deferred tax liabilities, netÂ Â 331,755Â Â Â Â 326,197Â Accrued liabilities, noncurrentÂ Â 315,480Â Â Â Â 611,619Â Finance lease obligation, less current portionÂ Â 491,106Â Â Â Â 528,753Â Operating lease liabilities, noncurrentÂ Â 7,836,512Â Â Â Â 8,058,502Â Loans payable, less current portionÂ Â 284,881Â Â Â Â 325,880Â Total liabilitiesÂ Â 18,999,671Â Â Â Â 17,887,299Â Â Â Â Â Â Â Â Â Â Commitments and ContingenciesÂ Â Â Â Â Â Â Â Â Â Â Â

(expense), netÂ Â (80,941)Â Â 5,403Â Total other expense, netÂ Â (230,301)Â Â (52,208)Loss before income taxesÂ Â (1,607,109)Â Â (1,302,830)Income tax provisionÂ Â 15,636Â Â Â 39,546Â Net lossÂ $(1,622,745)Â $(1,342,376)Foreign currency translation adjustmentÂ Â 271,594Â Â Â (125,208)Comprehensive lossÂ $(1,351,151)Â $(1,467,584)Loss per common share (basic)Â $(0.04)Â $(0.04)Number of shares used in per share calculation (basic)Â Â 39,561,480Â Â Â 37,431,748Â Loss per common share (diluted)Â $(0.04)Â $(0.04)Number of shares used in per share calculation (diluted)Â Â 39,561,480Â Â Â 37,431,748Â Â Â Â Â Â Â Â Â The accompanying notes are an integral part of these condensed consolidated financial statements.Â Â 5Table of ContentsÂ LIGHTPATH TECHNOLOGIES, INC.Condensed Consolidated Statements of Changes in Stockholders' Equity(unaudited)Â Â Â Â Â Â Â Â AccumulatedÂ Â Â Â Â Â Â Class AÂ Â AdditionalÂ Â OtherÂ Â Â Â TotalÂ Â Â Common StockÂ Â Paid-inÂ Â Comprehensive Â Â AccumulatedÂ Â Stockholdersâ€™Â Â Â Â SharesÂ Â AmountÂ Â CapitalÂ Â IncomeÂ Â DeficitÂ Â EquityÂ Balances at June 30, 2024Â Â 39,254,643Â Â $392,546Â Â $245,140,758Â Â $509,936Â Â $(215,843,575)Â $30,199,665Â Issuance of common stock for:Â Â Â Â Â Â Â Â Â

intercompany dividends to remit a portion of the earnings of its foreign subsidiaries to the U.S. parent company. The Company also intends to reinvest a portion of the earnings generated by its foreign subsidiaries. The Company accrues withholding taxes on the portion of LPOIZâ€™s earnings that it intends to repatriate. Accrued and unpaid withholding taxes were approximately $32,000 as of both September 30, 2024 and June 30, 2024. Other than these withholding taxes, these intercompany dividends have no impact on the unaudited condensed consolidated financial statements.Â Law of Corporate Income Tax of LatviaÂ Our Latvian subsidiary, ISP Optics Latvia, SIA (â€œISP Latviaâ€), is governed by the Law of Corporate Income Tax of Latvia. Effective January 1, 2018, the Republic of Latvia enacted tax reform with the following key provisions: (i) corporations are no longer subject to income tax, but are instead subject to a distribution tax on distributed profits (or deemed distributions, as defined) and (ii) the rate of tax was changed to 20%; however, distribution amounts are first divided by 0.8 to arrive at the profit before tax amount, resulting in an effective tax rate of 25%. As a transitional measure, distributions of earnings prior to January 1, 2018 are not subject to tax if declared prior to December 31, 2019. ISP Latvia has declared an intercompany dividend to be paid to ISP Optics Corporation (â€œISPâ€), its U.S. parent company, for the full amount of earnings accumulated prior to January 1, 2018. Distributions of this dividend have been fully settled and we currently do not intend to distribute any earnings generated after January 1, 2018. If, in the future, we change such intention, we will accrue distribution taxes, if any, as profits are generated.Â 9. Stock-Based CompensationÂ Our directors, officers, and key employees are granted stock-based compensation through our Amended and Restated Omnibus Incentive Plan, as amended (the â€œOmnibus Planâ€), through October 2018 and after that date, through our 2018 Stock and Incentive Compensation Plan (the â€œSICPâ€). Such stock-based compensation may include, among other things, incentive stock options, non-qualified stock options, restricted stock awards (â€œRSAsâ€) and restricted stock units (â€œRSUsâ€). The SICP is administered by the Compensation Committee of the Board of Directors. At our 2018 Annual Stockholders Meeting, our stockholders approved the SICP under which an aggregate of 1,650,870 shares of our Class A common stock were authorized for issuance pursuant to awards granted thereunder. At our 2022 Annual Stockholders Meeting, our stockholders authorized an additional 2,100,000 shares of our Class A common stock for issuance pursuant to awards granted thereunder. As of September 30, 2024, 832,099 shares of Class A common stock were authorized and available for issuance pursuant to awards granted under the SICP. The Companyâ€™s executive officers are eligible to earn incentive compensation consisting of equity-based awards, as well as cash bonuses, based on the achievement of certain individual and/or Company performance goals set by the Compensation Committee.Â Stock-based compensation expense is based primarily on the fair value of the award as of the grant date, and is recognized as an expense over the requisite service period.Â Â 12Table of ContentsÂ The following table shows total stock-based compensation expense for the three months ended September 30, 2024 and 2023, the majority of which is included in selling, general and administrative (â€œSG&Aâ€) expenses in these unaudited Condensed Consolidated Statements of Comprehensive Income (Loss):Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Stock optionsÂ $146,979Â Â $31,478Â RSAsÂ 10,809Â Â Â 22,387Â RSUsÂ 106,687Â Â Â 186,210Â TotalÂ $264,475Â Â $240,075Â Â Â We also adopted the LightPath Technologies, Inc. Employee Stock Purchase Plan (the â€œ2014 ESPPâ€). The 2014 ESPP permits employees to purchase Class A common stock through payroll deductions, subject to certain limitations. A discount of approximately $1,100 and $2,000 for the three months ended September 30, 2024 and 2023, respectively, is included in SG&A expenses in these unaudited Condensed Consolidated Statements of Comprehensive Income (Loss), which represents the value of the 10% discount given to the employees purchasing stock under the 2014 ESPP.Â Grant Date Fair Values and Underlying Assumptions; Contractual TermsÂ We estimate the fair value of each stock option as of the date of grant, using the Black-Scholes-Merton pricing model. The fair value of 2014 ESPP shares is the amount of the discount the employee obtains at the date of the purchase transaction.Â Most stock options granted vest ratably over two to four years and are generally exercisable for ten years. The assumed forfeiture rates used in calculating the fair value of RSA and RSU grants was 0%, and the assumed forfeiture rates used in calculating the fair value of options for performance and service conditions were 20% for each of the three months ended September 30, 2024 and 2023. The volatility rate and expected term are based on seven-year historical trends in Class A common stock closing prices and actual forfeitures. The interest rate used is the U.S. Treasury interest rate for constant maturities.Â No stock options were granted during the three months ended September 30, 2024 or 2023.Â Restricted Stock AwardsÂ RSAs are granted primarily to our executive officers, employees and consultants, and typically vest over a one to three year period from the date of grant, although some may vest immediately upon grant. The stock underlying RSAs is issued upon vesting.Â Restricted Stock UnitsÂ RSUs are granted primarily to our directors, although RSU awards may also be made to executive officers, employees and consultants. RSUs typically vest over a one to four year period from the date of grant, although some may vest immediately upon grant.Â Â 13Table of ContentsÂ Information Regarding Current Share-Based Compensation AwardsÂ A summary of the activity for share-based compensation awards in the three months ended September 30, 2024 is presented below:Â Â Â Stock Options Â Â Restricted Stock Units (RSUs) Â Â Restricted Stock Awards (RSAs) Â Â Â Â Â Â Weighted-Â Â Weighted-Â Â Â Â Weighted-Â Â Â Â Weighted-Â Â Â Â Â AverageÂ Â AverageÂ Â Â Â AverageÂ Â Â Â AverageÂ Â Â Â ExerciseÂ Â RemainingÂ Â Â Â RemainingÂ Â Â Â RemainingÂ Â Â Â Shares Â Â Price Â Â Contract Â Â Shares Â Â Contract Â Â Shares Â Â Contract Â June 30,
2024Â Â 553,689Â Â $2.02Â Â Â 5.4Â Â Â 1,250,132Â Â Â 0.8Â Â Â 161,540Â Â Â 1.5Â GrantedÂ Â â€”Â Â Â â€”Â Â Â Â Â Â â€”Â Â Â 30, 2024Â Â 524,895Â Â $1.97Â Â Â 5.1Â Â Â 1,250,132Â Â Â 0.6Â Â Â 146,887Â Â Â 1.3Â Awards exercisable/Â vested as ofÂ September 30,
2024Â Â 477,409Â Â $1.94Â Â Â 4.7Â Â Â 587,351Â Â Â â€”Â Awards unexercisable/Â unvested as ofÂ September 30,
2024Â Â 47,486Â Â $2.25Â Â Â 8.2Â Â Â 662,781Â Â Â 0.6Â Â Â 146,887Â Â Â 1.3Â Â Â Â 524,895Â Â Â Â Â Â Â Â Â Â Â 1,250,132Â Â Â Â Â Â 146,887Â Â Â Â Â Â As of September 30, 2024, there was approximately $0.6 million of total unrecognized compensation cost related to non-vested share-based compensation arrangements (including stock options, RSAs and RSUs) granted. We expect to recognize the compensation cost as follows:Â Fiscal Year Ending:Â Stock OptionsÂ Â RSAsÂ Â RSUsÂ Â TotalÂ June 30, 2025 (remaining nine months)Â $25,628Â Â $66,054Â Â $236,992Â Â $328,674Â June 30, 2026Â Â 10,201Â Â Â 45,292Â Â Â 142,377Â Â Â 197,870Â June 30, 2027Â Â 6,903Â Â Â 8,155Â Â Â 74,693Â Â Â 89,751Â Â Â $42,732Â Â $119,501Â Â $454,062Â Â $616,295Â Â Â Â 14Table of ContentsÂ 10. Earnings (Loss) Per Share Â Basic earnings (loss) per share is computed by dividing net income or loss by the weighted-average number of shares of Class A common stock outstanding, during each period presented. Diluted earnings (loss) per share is computed similarly to basic earnings (loss) per share, except that it reflects the potential dilution that could occur if dilutive securities or other obligations to issue shares of Class A common stock were exercised or converted into shares of Class A common stock. The computations for basic and diluted earnings (loss) per share of Class A common stock are described in the following table:Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Â Â Â Â Â Â Net lossÂ $(1,622,745)Â $(1,342,376)Â Â Â Â Â Â Â Â Weighted-average common shares outstanding:Â Â Â Â Â Â Basic number of sharesÂ Â 39,561,480Â Â Â 37,431,748Â Â Â Â Â Â Â Â Â Effect of dilutive securities:Â Â Â Â Â Â Options to purchase common stockÂ Â â€”Â Â Â â€”Â RSUs and RSAsÂ Â â€”Â Â Â â€”Â Diluted number of sharesÂ 39,561,480Â Â Â 37,431,748Â Â Â Â Â Â Â Â Loss per common share:Â Â Â Â Â Â Â Â BasicÂ $(0.04)Â $(0.04)DilutedÂ $(0.04)Â $(0.04)Â Â The following potential dilutive shares were not included in the computation of diluted earnings (loss) per share of Class A common stock, as their effects would be anti-dilutive:Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Options to purchase common stockÂ Â 541,170Â Â Â 534,462Â RSUs and RSAsÂ Â 1,404,664Â Â Â 1,689,066Â Â Â Â 1,945,834Â Â Â 2,223,528Â Â Â 11. LeasesÂ Our leases primarily consist of operating leases related to our facilities located in Orlando, Florida; Riga, Latvia; Shanghai, China; and Zhenjiang, China, and finance leases related to certain equipment located in Orlando, Florida and Riga, Latvia. The operating leases for facilities are non-cancelable operating leases, with terms at various times through 2034. We typically include options to renew (or terminate) in our lease term, and as part of our right-of-use (â€œROUâ€) assets and lease liabilities, when it is reasonably certain that we will exercise such options. We currently have twelve finance lease agreements entered into during fiscal years 2023 and 2024 with terms ranging from three to five years. The finance leases are for computer and manufacturing equipment.Â Our operating lease ROU assets and the related lease liabilities are initially measured at the present value of future lease payments over the lease term. One of our operating leases includes renewal options, which were not included in the measurement of the operating lease ROU assets and related lease liabilities. The lease on the premises comprising our primary facility in Orlando, Florida (the â€œOrlando Facilityâ€) was amended in April 2021, and again in September 2021, to expand the space from approximately 26,000 square feet to approximately 58,500 square feet. The lease term was extended from April 30, 2022, to that certain date that is one hundred twenty-seven (127) months after the date the landlord completes certain work to be done at the leased premises. The landlordâ€™s work was completed in August 2023, and accordingly the lease expires on March 31, 2034. Effective in January 2022, the terms of our leases in Zhenjiang, China and Riga, Latvia were extended to December 31, 2024 and 2030, respectively. It is our intention to renew the lease on the reduced space in Zhenjiang for at least a one-year term.Â Â 15Table of ContentsÂ As most of our operating leases do not provide an implicit rate, we use our collateralized incremental borrowing rate based on the information available at the commencement date in determining the present value of future payments. Currently, none of our operating leases include variable lease payments that are dependent on an index or rate. We are responsible for payment of certain real estate taxes, insurance and other expenses on certain of our operating leases. These amounts are generally considered to be variable and are not included in the measurement of the ROU assets and the related lease liabilities. We generally account for non-lease components, such as maintenance, separately from lease components. Our lease agreements do not contain any material residual value guarantees or material restricted covenants. Leases with a term of 12 months or less are not recorded on the balance sheet; we recognize lease expense for these leases on a straight-line basis over the lease term.Â We received tenant improvement allowances for each of our two leases with respect to our Orlando Facility. These allowances were used to construct improvements and are included in leasehold improvements and operating lease liabilities. The balances are being amortized over the corresponding lease terms. In August 2023, we completed the construction of additional tenant improvements within the premises subject to our continuing lease for our Orlando Facility, of which the landlord provided $2.4 million in tenant improvement allowances. We funded the balance of the tenant improvement costs of approximately $3.7 million.Â The components of lease expense for the three months ended September 30, 2024 and 2023 were as follows:Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Operating lease costÂ $268,495Â Â $205,023Â Finance lease cost:Â Â Â Â Â Â Â Â Depreciation of lease assetsÂ Â 37,816Â Â Â 19,915Â Interest on lease liabilitiesÂ Â 14,062Â Â Â 7,536Â Total finance lease costÂ Â 51,878Â Â Â 27,451Â Total lease costÂ $320,373Â Â $232,474Â Â Supplemental balance sheet information related to the leases as of September 30, 2024 and June 30, 2024 was as follows:Â Â Â ClassificationÂ September 30, 2024Â Â June 30, 2024Â Assets:Â Â Â Â Â Â Â Â Operating lease assetsÂ Operating lease assetsÂ $6,514,321Â Â $6,741,549Â Finance lease assetsÂ Property and equipment, net(1)Â Â 935,262Â Â Â 1,063,768Â Total lease assetsÂ Â Â $7,449,583Â Â $7,805,317Â Â Â Â Â Â Â Â Â Â Â Â Liabilities:Â Â Â Â Â Â Â Â Current:Â Â Â Â Â Â Â Â Operating leasesÂ Operating lease liabilities, currentÂ $1,028,981Â Â $1,059,998Â Finance leasesÂ Finance lease liabilities, currentÂ Â 183,656Â Â Â 177,148Â Â Â Â Â Â Â Â Â Â Noncurrent:Â Â Â Â Â Â Â Â Â Â Operating leasesÂ Operating lease liabilities, less current portionÂ Â 7,836,512Â Â Â 8,058,502Â Finance leasesÂ Finance lease liabilities, less current portionÂ Â 491,106Â Â Â 528,753Â Total lease liabilitiesÂ Â Â $9,540,255Â Â $9,824,401Â Â (1)Finance lease assets were recorded net of accumulated depreciation of approximately $147,000 and $109,000 as of September 30, 2024 and June 30, 2024, respectively.Â Â 16Table of ContentsÂ Lease term and discount rate information related to leases was as follows:Â Lease Term and Discount RateÂ September 30, 2024Â Weighted Average Remaining Lease Term (in years)Â Â Â Operating leasesÂ Â 9.1Â Finance leasesÂ Â 3.8Â Â Â Â Â Â Weighted Average Discount RateÂ Â Â Â Operating leasesÂ Â 2.9%Finance leasesÂ Â 8.1%Â Â Supplemental cash flow information was as follows for the three months ended September 30, 2024 and 2023:Â Â Â Â Three Months Ended September 30, Â Â Â 2024Â Â 2023Â Cash paid for amounts included in the measurement of lease liabilities:Â Â Â Â Â Â Operating cash used for operating leasesÂ $294,274Â Â $180,077Â Operating cash used for finance leasesÂ $14,062Â Â $7,536Â Financing cash used for finance leasesÂ $40,058Â Â $27,062Â Â Â Future maturities of lease liabilities were as follows as of September 30, 2024:Â Fiscal year ending:Â Â Finance LeasesÂ Â Operating LeasesÂ June 30, 2025 (remaining nine months)Â $173,412Â Â $855,856Â June 30, 2026Â Â 208,902Â Â Â 1,137,370Â June 30, 2027Â Â 182,253Â Â Â 1,144,603Â June 30, 2028Â Â 163,712Â Â Â 1,163,019Â June 30, 2029Â Â 57,642Â Â Â 1,193,260Â ThereafterÂ Â â€”Â Â Â 5,579,041Â Total future minimum paymentsÂ Â 785,921Â Â Â 11,073,149Â Less imputed interestÂ Â (111,159)Â Â (2,207,656)Present value of lease liabilitiesÂ $674,762Â Â $8,865,493Â Â 12. Loans Payable Â As of September 30, 2024, loans payable consisted of two equipment loans and a bridge promissory note (as described below).Â Bridge Promissory NoteÂ On August 6, 2024, we entered into a bridge promissory note (the â€œBridge Noteâ€) with Lytton-Kambara Foundation (the â€œLenderâ€) pursuant to which the Lender extended a loan to the Company in the principal amount of $3,000,000 (the â€œLoanâ€). The Loan is subject to an original issue discount of 7%. After deducting the original issue discount, fees paid to our placement agent, and certain expenses, the Company received net proceeds of $2,700,000.Â The Bridge Note is unsecured, bears interest at the rate of 12.5% per annum and has a 1-year term, maturing on August 6, 2025 (the â€œMaturity Dateâ€), at which time the entire principal amount of the Bridge Note and all accrued but unpaid interest is due and payable in full.Â We may prepay the principal outstanding under the Bridge Note at any time prior to the Maturity Date at 105% of the prepaid principal amount plus any unpaid accrued interest. Upon the consummation of a transaction resulting in a Change of Control (as defined in the Bridge Note) we are required to repay the holder of the Bridge Note in cash an amount equal to 105% of the outstanding principal balance of the Bridge Note plus unpaid accrued interest on the original principal.Â Â 17Table of ContentsÂ The Bridge Note contains customary representations, warranties and covenants for agreements of this type and provides for customary events of default, including among other things, failure to make payments when due, breaches of representations and warranties, and certain bankruptcy and insolvency events. Upon an event of default, the Bridge Noteâ€™s interest rate shall increase to 18% per annum and the Bridge Note holder may, at its option, accelerate the Bridge Note whereupon the entire principal amount thereof and all accrued but unpaid interest shall be due and payable in full.Â Equipment LoansÂ In December 2020, ISP Latvia entered into an equipment loan with a third party (the â€œ2020 Equipment Loanâ€), which party is also a significant customer, and which the 2020 Equipment Loan was subordinate to the BankUnited Loans (as defined below), and collateralized by certain equipment. The initial advance under the 2020 Equipment Loan was 225,000 EUR (or USD $275,000), payable in equal installments over 60 months, the proceeds of which were used to make a prepayment to a vendor for equipment to be delivered at a future date. An additional 225,000 EUR (or USD $267,000) was drawn in September 2021, which proceeds were paid to the vendor for the equipment, payable in equal installments over 52 months. The 2020 Equipment Loan bears interest at a fixed rate of 3.3%.Â In May 2023, ISP Latvia entered into an equipment loan with a third party financial institution (the â€œ2023 Equipment Loanâ€). The 2023 Equipment Loan is collateralized by certain equipment. The initial advance under the 2023 Equipment Loan was 128,815 EUR (or USD $141,245), the proceeds of which were used to make a prepayment to a vendor for equipment to be delivered at a future date. The final advance for the final payment to the equipment vendor was 132,674 EUR (or USD $141,815). The 2023 Equipment Loan is payable over 48 months, with monthly installments that began on January 1, 2024. The 2023 Equipment Loan bears interest at the six-month EURIBOR rate, plus 2.84% (5.94% as of September 30, 2024).Â Future maturities of loans payable are as follows:Â Â Â Promissory NoteÂ Â UnamortizedÂ Loan Issuance CostsÂ Â Equipment LoansÂ Â TotalÂ Fiscal year ending:Â June 30, 2025 (remaining nine months)Â $-Â Â $(225,000)Â $164,368Â Â $(60,632)June 30, 2026Â Â 3,000,000Â Â Â (29,167)Â Â 155,410Â Â Â 3,126,243Â June 30, 2027Â Â -Â Â Â -Â Â Â 109,875Â Â Â 109,875Â June 30, 2028Â Â -Â Â Â -Â Â Â 73,250Â Â Â 73,250Â Total paymentsÂ $3,000,000Â Â $(254,167)Â $502,903Â Â $3,248,736Â Less current portionÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â (2,963,855)Non-current portionÂ Â Â Â Â Â Â Â Â Â Â Â Â Â $284,881Â Â Â 13. Foreign OperationsÂ Assets and liabilities denominated in non-U.S. currencies are translated at rates of exchange prevailing on the balance sheet date, and revenues and expenses are translated at average rates of exchange for the period. Gains or losses on the translation of the financial statements of a non-U.S. operation, where the functional currency is other than the U.S. dollar, are reflected as a separate component of equity, which was a cumulative gain of approximately $782,000 and $510,000 as of September 30, 2024 and June 30, 2024, respectively. We also recognized net foreign currency transaction losses of $36,000 and gains of $25,000 during the three months ended September 30, 2024 and 2023, respectively, included in the unaudited Condensed Consolidated Statements of Comprehensive Income (Loss) in the line item entitled â€œOther income (expense), net.â€Â Our cash, cash equivalents and restricted cash totaled approximately $4.3 million at September 30, 2024. Of this amount, less than 50% was held

by our foreign subsidiaries in China and Latvia. These foreign funds were generated in China and Latvia as a result of foreign earnings. With respect to the funds generated by our foreign subsidiaries in China, the retained earnings of the respective subsidiary must equal at least 50% of its registered capital before any funds can be repatriated through dividends. As of September 30, 2024, LPOIZ had approximately $1.6 million in retained earnings available for repatriation, based on earnings accumulated through December 31, 2023, the end of the most recent statutory tax year, that remained undistributed as of September 30, 2024.Â Â 18Table of ContentsÂ Revenues from foreign countries for the three months ended September 30, 2024 and 2023 are as follows:Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Revenues:Â Â Â Â Â Â United StatesÂ $5,865,639Â Â $4,293,394Â EuropeÂ Â 1,281,260Â Â Â 2,523,545Â ChinaÂ Â 629,417Â Â Â 500,138Â Other Asian countriesÂ Â 210,231Â Â Â 562,399Â Rest of worldÂ Â 413,834Â Â Â 197,772Â Â Â $8,400,381Â Â $8,077,248Â Â Â Long-lived assets located in foreign countries as of September 30, 2024 and June 30, 2024 are as follows:Â Â Â September 30, 2024Â Â June 30, 2024Â Long-lived assets:Â Â Â Â Â Â United StatesÂ $24,163,400Â Â $24,989,477Â LatviaÂ Â 5,013,709Â Â Â 4,961,741Â ChinaÂ Â 2,458,802Â Â Â 2,615,410Â Â Â $31,635,911Â Â $32,566,628Â Â Â 14. ContingenciesÂ LegalÂ The Company, from time to time, is involved in various legal actions arising in the normal course of business. Management, after reviewing with legal counsel all of these actions and proceedings, believes that the aggregate losses, if any, will not have a material adverse effect on the Companyâ€™s financial position or results of operations.Â In April 2021, we terminated several employees of our China subsidiaries, LPOIZ and LPOI, including the General Manager, the Sales Manager, and the Engineering Manager, after determining that they had engaged in malfeasance and conduct adverse to our interests, including efforts to misappropriate certain of our proprietary technology, diverting sales to entities owned or controlled by these former employees and other suspected acts of fraud, theft and embezzlement. In connection with such terminations, our China subsidiaries have engaged in certain legal proceedings with the terminated employees. We incurred various expenses associated with the investigation into these matters prior and subsequent to the termination of the employees and the associated legal proceedings. In December 2023, we recovered approximately $190,000 in funds that had been recovered by the Chinese authorities. We expect to incur minimal additional legal fees and consulting expenses in future periods as we have exhausted nearly all of our legal options and remedies.Â Potential Impact of Economic Conditions in ChinaÂ Due to our operations in China, our business, results of operations, financial condition and prospects may be influenced to a significant degree by economic, political, legal and social conditions in China. Chinaâ€™s economy differs from the economies of other countries in many respects, including with respect to the level of development, growth rate, amount of government involvement, control of foreign exchange and allocation of resources. While Chinaâ€™s economy has experienced significant growth over the past several decades, its growth rate has declined in recent years and may continue to decline. Deteriorating economic conditions in China generally have led to lower demand for our products in China and thus lower revenues and net income for our subsidiaries in China and the Company overall. A continuation of Chinaâ€™s current economic conditions or a further slowdown in the economic growth, an economic downturn, a recession, or other adverse economic conditions in China is likely to have a material adverse effect on our business and results of operations in future quarters.Â Â 19Table of ContentsÂ Impact of Recent WarsÂ In February 2022, Russian military forces invaded Ukraine. This war has led to sanctions on Russia, which have had some impacts, though temporary, on our supply chain of raw materials. Separately, Israel declared war on Hamas in October 2023. Initially, this resulted in a temporary increase in our sales, as Israel worked to replace electro-optical systems that in some cases use our materials. However, it is possible that this war will also have a negative impact on our business at some point as a result of the economic impact in Israel. In addition to the significant defense related market in Israel, we also serve many commercial related applications and work with commercial companies in Israel, and the business of those customers may be negatively impacted by the war over time. Given the dynamic nature of this situation, we cannot reasonably estimate the impact of either the Russian-Ukraine conflict or the Israel-Hamas war on our financial condition, results of operations or cash flows into the foreseeable future.Â 15. LiquidityÂ We generally rely on cash from operations and equity and debt offerings, to the extent available, to satisfy our liquidity needs and to maintain our ability to repay our debt.Â On February 16, 2022, we filed a shelf registration statement to facilitate the issuance of our Class A common stock, warrants exercisable for shares of our Class A common stock, and/or units up to an aggregate offering price of $75.8 million from time to time. In connection with the filing of the shelf registration statement, we also included a prospectus supplement relating to an at-the-market equity program under which we may issue and sell shares of our Class A common stock up to an aggregate offering price of $25.2 million from time to time, decreasing the aggregate offering price available under the shelf registration statement to $50.6 million. The shelf registration statement was declared effective by the SEC on March 1, 2022. As of June 30, 2024, we issued 585,483 shares of our Class A common stock pursuant to the at-the-market equity program.Â On January 12, 2023, the Company entered into a securities purchase agreement (â€œPurchase Agreementâ€), pursuant to which the Company agreed to issue and sell in a public offering under the shelf registration statement an aggregate of 9,090,910 shares of the Companyâ€™s Class A common stock, par value $0.01 per share for a purchase price of $1.10 per share and filed a prospectus supplement with the SEC related thereto. The sale of shares pursuant to the Purchase Agreement closed on January 17, 2023, and resulted in net proceeds of approximately $9.2 million after payment of placement agent fees, and certain other costs and expenses of the offering.Â There are a number of factors that could result in the need to raise additional funds, including a decline in revenue or a lack of anticipated sales growth, increased material costs, increased labor costs, planned production efficiency improvements not being realized, increases in property, casualty, benefit and liability insurance premiums, and increases in other costs. In addition, we may identify opportunities for acquisitions and other strategic transactions to expand and further enhance our business that may require that we raise additional capital should we elect to pursue any of such transactions.Â Â 20Table of ContentsÂ Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of OperationsÂ Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations is designed to provide a reader of the financial statements with a narrative report on our financial condition, results of operations, and liquidity. This discussion and analysis should be read in conjunction with the attached unaudited Condensed Consolidated Financial Statements and notes thereto and our Annual Report on Form 10-K for the year ended June 30, 2024, including the audited Consolidated Financial Statements and notes thereto. The following discussion contains forward-looking statements that involve risks and uncertainties, such as statements of our plans, objectives, expectations, and intentions. Our actual results could differ materially from those discussed in the forward-looking statements. Please also see the cautionary language at the beginning of this Quarterly Report regarding forward-looking statements.Â IntroductionÂ We were incorporated in Delaware in 1992 as the successor to LightPath Technologies Limited Partnership, a New Mexico limited partnership, formed in 1989, and its predecessor, Integrated Solar Technologies Corporation, a New Mexico corporation, formed in 1985. Today, LightPath is a global company with major facilities in the United States, the Peopleâ€™s Republic of China, and the Republic of Latvia.Â SubsidiariesÂ In November 2005, we formed LPOI, a wholly-owned subsidiary, located in Jiading, Peopleâ€™s Republic of China. LPOI provided sales and support functions. In December 2013, we formed LPOIZ, a wholly-owned subsidiary located in the New City district, of the Jiangsu province, of the Peopleâ€™s Republic of China. LPOIZâ€™s 55,000 square foot manufacturing facility (the â€œZhenjiang Facilityâ€) serves as our primary manufacturing facility in China and provides a lower cost structure for production of larger volumes of optical components and assemblies. Effective February 28, 2023, LPOI and LPOIZ were merged, with LPOIZ as the surviving company.Â In December 2016, we acquired ISP, and its wholly-owned subsidiary, ISP Latvia. ISP is a vertically integrated manufacturer offering a full range of infrared products from custom infrared optical elements to catalog and high-performance lens assemblies. Since June 2019, ISPâ€™s manufacturing operation has been located at our Orlando Facility. ISP Latvia is a manufacturer of high precision optics and offers a full range of infrared products, including catalog and custom infrared optics. ISP Latviaâ€™s facility in Riga, Latvia (the â€œRiga Facilityâ€) functions as its manufacturing facility.Â In July 2023, we acquired Liebert Consulting LLC, dba Visimid Technologies (â€œVisimidâ€). Visimid is an engineering and design firm specializing in thermal imaging, night vision and IOT applications. Visimid provides design and consulting services for DoD contractors, commercial and industrial customers, and OEMs for original new products. Visimidâ€™s core competency is developing and producing custom thermal and night vision cores. We believe that Visimidâ€™s capabilities are aligned with our strategy to focus on engineered solutions. Visimidâ€™s facility is located in Plano, TX.Â For additional information, please refer to our Annual Report on Form 10-K for the year ended June 30, 2024.Â Product GroupsÂ Our infrared components product group is comprised of both molded and turned infrared lenses and assemblies using a variety of infrared glass materials. This product group also includes both conventional and computer numerical control (â€œCNCâ€) ground and polished lenses. Advances in chalcogenide materials have enabled compression molding for mid-wave (â€œMWIRâ€) and long-wave (â€œLWIRâ€) optics in a process similar to precision molded lenses. Our molded infrared optics technology enables high performance, cost-effective infrared aspheric lenses that do not rely on traditional diamond turning or lengthy polishing methods. Utilizing precision molded aspheric optics significantly reduces the number of lenses required for typical thermal imaging systems and the cost to manufacture these lenses. Molding is an excellent alternative to traditional lens processing methods particularly where volume and repeatability is required.Â Our visible components product group consists of visible precision molded optics with varying applications. Aspheric lenses are known for their optimal performance. Aspheric lenses simplify and shrink optical systems by replacing several conventional lenses. However, aspheric lenses can be difficult and costly to machine. Our glass molding technology enables the production of both low and high volumes of aspheric optics, while still maintaining the highest quality at an affordable price. Molding is the most consistent and economical way to produce aspheres and we have perfected this method to offer the most precise molded aspheric lenses available.Â Â 21Table of ContentsÂ Between these two component product groups, we have the capability to manufacture lenses from very small (with diameters of a sub-millimeter) to over 300 millimeters, and with focal lengths from approximately 0.4 millimeters to over 2,000 millimeters. In addition, both product groups offer both catalog and custom designed optics.Â Our assemblies and modules product group is comprised of other value-added products, including both infrared and visible components, such as mounted lenses, optical assemblies, collimator assemblies, and other custom specialty optics. Collimator assemblies are utilized in applications involving light detection and ranging (â€œLIDARâ€) technology for advanced driver assistance systems and autonomous vehicles, such as forklifts and other automated warehouse equipment. This continues to be an emerging market with long-term growth potential for us. We also expect growth from medical programs and commercial optical sub-assemblies. We design, build, and sell optical assemblies in markets for test and measurement, medical devices, military, industrial, and communications based on our proprietary technologies.Â Our engineering services product group represents services we provide pursuant to product development agreements that we enter into with customers. Typically, customers approach us and request that we develop new products or applications utilizing our existing products to fit their particular needs or specifications. The purpose of those engineering services that we offer is not only to provide purely engineering services for a customer, but also to engineer new products which we later manufacture for the customer. The timing and extent of any such product development requests are outside of our control, and the related revenue is recognized upon satisfaction of the performance obligation, and transfer of control of the agreed-upon deliverable. As we continue a strategic shift into highly engineered solutions, we expect this product group to grow in a similar way as our assemblies and modules business. Furthermore, as the engineering effort precedes the product revenue, the revenue from this product group is often, but not always, a lead indicator to the revenue in assemblies and modules product group.Â We believe these four product groups are aligned with our strategic direction and will allow us to better track the results of our focus on engineered solution and assemblies.Â Growth StrategyÂ The optics industry is transforming from a fragmented industry with many component manufacturers into a solution-focused industry with the potential for partnerships for solution development and production. Based on the shifts in the marketplace and the changes that come when a technology, like photonics, moves from being a specialty product to being integrated into mainstream industries and applications, we redefined our strategic direction to leverage our strengths and specifically our subject matter expertise in optics, to provide our wide customer base with complete optical and electro-optical solutions, and to become their partner for the optical engine of their systems.Â Since our Chief Executive Officer, Mr. Sam Rubin, joined the Company in 2020, we have been developing a new strategy that will transition the Company from a pure component manufacturer to a supplier of imaging subsystems and systems. Our new strategic direction, which is based on our core technological differentiators such as our BlackDiamond glass (â€œBlackDiamondâ€) and proprietary molding technologies, significantly increases our value add to customers. This transition, which is occurring both organically and through acquisitions, such as the July 2023 acquisition of Visimid Technologies, is positioning the Company for significant growth and higher profitability in coming years.Â Understanding the shifts that are happening in the marketplace and the changes that come when a technology, like photonics, moves from being a specialty to being integrated into mainstream industries and applications, we redefined our strategic direction to provide our wide customer base with domain expertise in optics, and became their partner for the optical engine of their systems. In our view, as the use of photonics evolves, so do customer needs. The industry is transforming from a fragmented industry with a component oriented supply chain, into a solution-focused industry with the potential for partnerships for solution development and production. Over the last couple of years we have worked to align our organization to this strategy, and leverage our in-house domain expertise in photonics, knowledge and experience in advanced optical technologies, and the necessary manufacturing techniques and capabilities. We have been developing these partnerships by working closely with our customers throughout their design process, designing optical solutions that are tailored to their needs, often times using unique technologies that we own, and supplying the customer with a complete optical subsystem to be integrated into their product. Such an approach builds on our unique, value-added technologies that we currently own, such as infrared materials, optical molding, fabrication, system design, and proprietary manufacturing technologies, along with technologies that we acquired through the Visimid acquisition such as video processing, infrared camera integration and more. Continually adding differentiating technologies is key to our strategy and we expect to continue to do so both organically and through acquisitions.Â Â 22Table of ContentsÂ Our domain expertise and the extensive â€œknow howâ€ in optical design, fabrication, production and testing technologies will allow our customers to focus on their own development efforts, freeing them from the need to develop subject matter expertise in optics. By providing the bridge into the optical solution world, we are able to partner with our customers on a long-term basis, create value for our customers, and capture that value through the long-term supply relationships we seek to develop.Â Further information about our strategic direction can be found in our Annual Report on Form 10-K for the fiscal year ended June 30, 2024.Â Results of OperationsÂ RevenueÂ Revenue for the first quarter of fiscal 2025 was approximately $8.4 million, an increase of approximately $0.3 million, or 4%, as compared to approximately $8.1 million in the same quarter of the prior fiscal year, driven by increases in sales of visible components and engineering services, partially offset by decreases in infrared components and assemblies and modules.Â Revenue generated by infrared components was approximately $2.6 million in the first quarter of fiscal 2025, a decrease of approximately $1.2 million, or 32%, as compared to the same quarter of the prior fiscal year The decrease in revenue is primarily due to a decrease in sales against a large annual contract for Germanium-based products, which was not renewed in the second quarter of fiscal 2024, as we have decided to reduce the amount of optics we produce from Germanium, both to reduce our risk of supply chain disruption, and more importantly, to work with customers to convert their systems to use optics made of our own BlackDiamond materials. Revenue from the visible components product group for the first quarter of fiscal 2025 was $3.3 million, an increase of approximately $0.6 million, or 23%, as compared to the same quarter of the prior fiscal year. The increase in revenue is primarily due to an increase in sales to customers in the defense and medical industries, as well as sales through catalog and distribution channels. Revenue from assemblies and modules was approximately $1.1 million in the first quarter of fiscal 2025, a decrease of approximately $0.2 million, or 13%, as compared to the same quarter of the prior fiscal year. The majority of the decrease is due to timing of shipments against a multi-year contract with a defense customer, partially offset by an increase in sales of infrared camera cores. Revenue from engineering services increased by $1.1 million, or 378%, for the first quarter of fiscal 2025, as compared to the same quarter of the prior fiscal year. This increase was primarily driven by Visimidâ€™s contract with Lockheed Martin, where revenue is generally recognized based on the achievement of milestones.Â Gross ProfitÂ Gross profit in the first quarter of fiscal 2025 was approximately $2.8 million, an increase of $0.5 million, or 22%, as compared to the same quarter of the prior fiscal year. Total cost of sales was approximately $5.6 million for the first quarter of fiscal 2025, compared to approximately $5.7 million for the same quarter of the prior fiscal year. Gross margin as a percentage of revenue was 34% for the first quarter of fiscal 2025, compared to 29% for the same quarter of the prior fiscal year. The increase in gross margin as a percentage of revenue is primarily due a more favorable product mix, with increases in both visible components sales and engineering services, which typically have higher margins than infrared components.Â Selling, General and AdministrativeÂ SG&A costs were approximately $3.3 million for the first quarter of fiscal 2025, an increase of approximately $609,000, or 23%, as compared to approximately $2.7 million in the same quarter of the prior fiscal year. The increase in SG&A costs is primarily due to an increase in legal and consulting fees related to business development initiatives. We have also increased our sales and marketing spend to promote new products.Â New Product DevelopmentÂ New product development costs were approximately $0.5 million in the first quarter of fiscal 2025, a decrease of approximately $0.2 million, or 26%, as compared to the same quarter of the prior fiscal year.

This decrease reflects the shift of engineering resources toward externally funded, rather than internally funded, development projects.Â Â 23Table of ContentsÂ Amortization of IntangiblesÂ Amortization of intangibles increased by $0.1 million for the first quarter of fiscal 2025, as compared to the same quarter of the prior fiscal year, due to the amortization of identifiable intangible assets associated with the Visimid acquisition. See Note 3, Acquisition of Visimid, in the unaudited Condensed Consolidated Financial Statements, for further information.Â Other Income (Expense)Â Interest expense, net, was approximately $149,000 for the first quarter of fiscal 2025, as compared to $58,000 for the same quarter of the prior fiscal year. The increase in interest expense is due to the interest and amortization of loan issuance costs associated with the Bridge Note which was executed in August 2024.Â Other expense, net, was approximately $81,000 for the first quarter of fiscal 2025, as compared to other income, net of $5,000 for the same quarter of the prior fiscal year. Other income (expense) includes net gains and losses on foreign exchange transactions. We execute all foreign sales from our U.S. facilities and inter-company transactions in U.S. dollars, partially mitigating the impact of foreign currency fluctuations. Assets and liabilities denominated in non-United States currencies, primarily the Chinese Yuan and Euro, are translated at rates of exchange prevailing on the balance sheet date, and revenues and expenses are translated at average rates of exchange for the year. We incurred foreign currency transaction losses of $36,000 and gains of $25,000 for the first quarter of fiscal 2025 and 2024, respectively.Â Income TaxesÂ Income tax expense is primarily related to income taxes from our operations in China, including estimated Chinese withholding taxes associated with intercompany dividends declared by LPOIZ and payable to us as its parent company, as well as withholding taxes on payments from LPOIZ to LightPath for administrative services rendered. Income tax expense was approximately $16,000 for the first quarter of fiscal 2025, as compared to $40,000 for the same period of the prior year. The decrease is due to timing of intercompany dividends.Â Net LossÂ Net loss for the first quarter of fiscal 2025 was approximately $1.6 million, or $0.04 basic and diluted loss per share, compared to $1.3 million, or $0.04 basic and diluted loss per share, for the same quarter of the prior fiscal year.The increase in net loss of approximately $0.3 million for the first quarter of fiscal 2025, as compared to the same quarter of the prior fiscal year, was primarily attributable to the increased legal and consulting expenses related to business development initiatives.Â Weighted-average common shares outstanding were 39,561,480, basic and diluted, in the first quarter of fiscal 2025, compared to 37,431,748, basic and diluted, in the same quarter of fiscal 2024. The increase in weighted-average basic common shares was due to the 585,483 shares issued during the second half of fiscal year 2024 pursuant to the at-the-market equity program, and the shares of Class A common stock issued in conjunction with the acquisition of Visimid. The increase is also attributable to the issuance of shares of Class A common stock under the 2014 ESPP and underlying vested RSUs and RSAs. Potential dilutive common stock equivalents were excluded from the calculation of diluted shares for the first quarter of fiscal year 2025 and 2024, as their effects would have been anti-dilutive due to the net loss in those periods.Â Potential Impact of Economic Conditions and Policies in ChinaÂ Due to our operations in China, our business, results of operations, financial condition and prospects may be influenced to a significant degree by economic, political, legal and social conditions in China. Chinaâ€™s economy differs from the economies of other countries in many respects, including with respect to the level of development, growth rate, amount of government involvement, control of foreign exchange and allocation of resources. While Chinaâ€™s economy has experienced significant growth over the past several decades, its growth rate has declined in recent years and may continue to decline. According to the National Bureau of Statistics of China, the annual economic growth rate in China was 6.9% in 2017, 6.8% in 2018, 6.1% in 2019, 2.3% in 2020, 8.1% in 2021, 3% in 2022, and 5.2% in 2023. The annual economic growth rate in 2024 is projected to be 4.6%, although some analysts have indicated that Chinaâ€™s economic growth could be lower. Deteriorating economic conditions in China generally have led to lower demand for the Companyâ€™s products in China and thus lower revenues and net income for our subsidiaries in China and the Company overall. A continuation of Chinaâ€™s current economic conditions or a further slowdown in the economic growth, an economic downturn, a recession, or other adverse economic conditions in China is likely to have a material adverse effect on our business and results of operations in future quarters.Â Â 24Table of ContentsÂ In addition, on July 4, 2023 China announced export limitations on Germanium and Gallium, two materials that are commonly used in infrared optical components, requiring all international customers to provide an end user statement for approval before receiving an export license. Since that announcement, supply of Germanium has been disrupted, though not completely stopped. As a purchaser of Germanium, we are mostly able to purchase the Germanium we need, though the availability of it and ability to receive export licenses varies amongst vendors. Some of our customers are able to import Germanium from China, while some get denied a license to do so. Yet, even those that are granted a license experience extended material lead times and drastic price increases. We cannot provide any assurance that we will be able to obtain adequate supplies in the future, if adequate supplies will be available, or that the timing or costs of obtaining such raw materials will be acceptable to us. As a precaution to the disruption in the supply chain of Germanium, and in anticipation of customers ordering more optics produced from other materials, primarily our own BlackDiamond materials, we have, in agreement with one key customer, proactively canceled some of our sales orders for optics made of Germanium. This serves to both reduce our exposure to possible shortages in Germanium material supply, as well as to free up capacity for orders for optics made of materials other than Germanium. This also led to us intentionally not renew a large annual customer order for optics made of Germanium from the same customer. This annual order is typically renewed during our second fiscal quarter; the prior renewal was announced in December 2022 for over $5 million. The lack of this renewal has impacted our backlog in the short term; however, the lack of this order booking does not mean that we have lost the customer. Instead, we expect this order to renew in coming months, as the customer completes evaluating, and working toward transitioning to optics made of our BlackDiamond materials.Â Liquidity and Capital ResourcesÂ As of September 30, 2024, we had working capital of approximately $7.1 million and total cash and cash equivalents of approximately $4.3 million, of which, less than 50% of our cash and cash equivalents was held by our foreign subsidiaries.Â Cash and cash equivalents held by our foreign subsidiaries in China and Latvia were generated in-country as a result of foreign earnings. We routinely declare intercompany dividends to remit a portion of the earnings of our foreign subsidiaries to us, as the U.S. parent company. It is still our intent to reinvest a significant portion of earnings generated by our foreign subsidiaries, however, we also plan to repatriate a portion of their earnings, and we accrue for these taxes on the portion of earnings that we intend to repatriate.Â In China, before any funds can be repatriated, the retained earnings of the legal entity must equal at least 50% of the registered capital. As of September 30, 2024, LPOIZ had approximately $1.6 million available for repatriation and LPOI did not have any earnings available for repatriation, based on earnings accumulated through December 31, 2023, the end of the most recent statutory tax year, that remained undistributed as of September 30, 2024.Â As of September 30, 2024, loans payable consists of two third-party equipment loans and the Bridge Note. See Note 12, Loans Payable, in the unaudited Condensed Consolidated Financial Statements, for further information.Â On February 16, 2022, we filed a shelf registration statement to facilitate the issuance of our Class A common stock, warrants exercisable for shares of our Class A common stock, and/or units up to an aggregate offering price of $75.8 million from time to time. In connection with the filing of the shelf registration statement, we also included a prospectus supplement relating to an at-the-market equity program under which we may issue and sell shares of our Class A common stock up to an aggregate offering price of $25.2 million from time to time, decreasing the aggregate offering price available under the shelf registration statement to $50.6 million. The shelf registration statement was declared effective by the SEC on March 1, 2022. During the year ended June 30, 2024, we issued 585,483 shares of our Class A common stock pursuant to the at-the-market equity program. No additional shares were issued under this program during the three months ended September 30, 2024.Â On January 12, 2023, the Company entered into a securities purchase agreement (â€œPurchase Agreementâ€), pursuant to which the Company agreed to issue and sell in a public offering under the shelf registration statement an aggregate of 9,090,910 shares of the Companyâ€™s Class A common stock, par value $0.01 per share for a purchase price of $1.10 per share and filed a prospectus supplement with the SEC related thereto. The sale of shares pursuant to the Purchase Agreement closed on January 17, 2023, and resulted in net proceeds of approximately $9.2 million after payment of placement agent fees, and certain other costs and expenses of the offering.Â There are a number of factors that could result in the need to raise additional funds, including a decline in revenue or a lack of anticipated sales growth, increased material costs, increased labor costs, planned production efficiency improvements not being realized, increases in property, casualty, benefit and liability insurance premiums, and increases in other costs. In addition, we may identify opportunities for acquisitions and other strategic transactions to expand and further enhance our business that may require that we raise additional capital should we elect to pursue any of such transactions.Â Â 25Table of ContentsÂ Cash Flows â€“ Operating:Â Cash used in operations was approximately $1.7 million for the first quarter of fiscal 2025, compared to cash provided by operations of approximately $1.1 million for the same period of the prior fiscal year.Cash used in operations for the first quarter of fiscal 2025 was primarily due to payments against accounts payable and accrued liabilities, as well as an increase in accounts receivable driven by higher sales in the first quarter of fiscal 2025 than in the preceding quarter. Cash provided by operations for the first quarter of fiscal 2024 was largely driven by decrease in accounts receivable, as sales were higher in the fourth quarter of fiscal 2023 than in the first quarter of fiscal 2024.Â Cash Flows â€“ Investing:Â During the first quarter of fiscal 2025, we expended approximately $0.1 million in investments in capital equipment, compared to approximately $1.0 million in the same period of the prior fiscal year. The capital spending in the first quarter of fiscal 2024 was largely driven by the Orlando Facility expansion. As disclosed in Note 11, Leases, in the unaudited Condensed Consolidated Financial Statements in this Quarterly Report on Form 10-Q, we constructed additional tenant improvements in our Orlando Facility subject to our continuing lease, of which the landlord agreed to provide $2.4 million in tenant improvement allowances. We funded the balance of the tenant improvement costsÂ of $3.7 million over fiscal years 2023 and 2024. We also expended approximately $0.1 million during the first quarter of fiscal 2025, compared to $0.6 million during the same quarter of the prior fiscal year, to acquire Visimid, net of cash acquired, as disclosed in Note 3, Acquisition of Visimid Technologies, in the unaudited Condensed Consolidated Financial Statements in this Quarterly Report on Form 10-Q. TheÂ first quarter of fiscal 2024 also reflected proceeds of approximately $365,000 from sale-leasebacks of equipment.Â Cash Flows â€“ Financings: Â Net cash provided by financing activities was approximately $2.6 million for the first quarter of fiscal 2025, compared to cash used in financing activities of approximately $0.2 million in the same period of the prior fiscal year. Cash provided by financing activities for the first quarter of fiscal 2025 primarily reflects the $2.7 million in net proceeds from the Bridge Note, plus approximately $10,000 in proceeds from the sale of Class A common stock under the 2014 ESPP, offset by approximately $94,000 in principal payments on our loans and finance leases. Cash used in financing activities for the first quarter of fiscal 2024 reflects $234,000 in principal payments on our loans and finance leases, offset by approximately $20,000 in proceeds from the sale of Class A common stock under the 2014 ESPP.Â Contractual Obligations and CommitmentsÂ As of September 30, 2024, our principal commitments consisted of obligations under operating and finance leases, and debt agreements. No material changes occurred during the first three months of fiscal 2025 in our contractual cash obligations to repay debt or to make payments under operating and finance leases, or in our contingent liabilities as disclosed in our Annual Report on Form 10-K for the year ended June 30, 2024.Â Off Balance Sheet ArrangementsÂ We do not engage in any activities involving variable interest entities or off-balance sheet arrangements.Â Critical Accounting Policies and EstimatesÂ There have been no material changes to our critical accounting policies and estimates during the three months ended September 30, 2024 from those disclosed in Item 7. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations, of our Annual Report on Form 10-K for the year ended June 30, 2024.Â Â 26Table of ContentsÂ How We OperateÂ We have continuing sales of two basic types: sales via ad-hoc purchase orders of mostly standard product configurations (our â€œturnsâ€ business) and the more challenging and potentially more rewarding business of customer product development. In this latter type of business, we work with customers to help them determine optical specifications and even create certain optical designs for them, including complex, multi-component, optical system or sub-system designs that we call â€œengineered solutions.â€ These engineered solutions are often based on existing reference designs we have demonstrated, that then get further customized to the customerâ€™s specific needs. This is followed by â€œsamplingâ€ or â€œprototypingâ€ small numbers of the product for the customersâ€™ test and evaluation. Thereafter, should a customer conclude that our specification or design is the best solution to their product need; we negotiate and â€œwinâ€ a contract (sometimes called a â€œdesign winâ€) â€“ whether of a â€œblanket purchase orderâ€ type or a supply agreement. The strategy is to create an annuity revenue stream that makes the best use of our production capacity and longer-term revenue planning, as compared to the turns business, which is unpredictable and uneven. A key business objective is to convert as much of our business to the design win and annuity model as is possible. We face several challenges in doing so:Â Â Â·Maintaining an optical design and new product sampling capability, including a high-quality and responsive optical design engineering staff;Â Â Â Â Â·The fact that as our customers take products of this nature into higher volume, commercial production they begin to work seriously to reduce costs â€“ which may lead them to turn to larger producers, domestic or overseas, even if sacrificing quality; andÂ Â Â Â Â·Our small business mass means that we can only offer a moderate amount of total productive capacity before we reach financial constraints imposed by the need to make additional capital expenditures â€“ in other words, because of our limited cash resources and cash flow, we may not be able to service every opportunity that presents itself in our markets without arranging for such additional capital expenditures.Â Â Despite these challenges to winning more â€œannuityâ€ business, we nevertheless believe we can be successful in procuring this business because of our unique capabilities in optical design engineering that we make available on the market to our current and potential customers looking for specific solutions to their needs. Additionally, we believe that we offer value to some customers as a source of supply in the U.S. should they be unwilling to commit to purchase their supply of critical component(s) from foreign sources. For information regarding revenue recognition related to our various revenue streams, refer to Critical Accounting Policies and Estimates in our Annual Report on Form 10-K dated June 30, 2024.Â Our Key Performance Indicators:Â Typically, on a weekly basis, management reviews a number of performance indicators, both qualitative and quantitative. These indicators change from time to time as the opportunities and challenges in the business change. These indicators are used to determine tactical operating actions and changes. We believe that our non-financial production indicators, such as those noted, are proprietary information.Â Financial indicators that are considered key and reviewed regularly are as follows:Â Â Â·Sales backlog;Â Â Â Â Â·Revenue by product group;Â Â Â Â Â·EBITDA; andÂ Â Â Â Â·Other key indicators.Â Â These indicators are also used to determine tactical operating actions and changes and are discussed in more detail below. Management continues to evaluate these key indicators as we refine our strategic plan to determine whether any changes or updates to our key indicators are warranted.Â Sales BacklogÂ We believe our sales activity has been and continues to be a key indicator of success. Our best view into the efficacy of our sales efforts is in our â€œorder book.â€ Our order book equates to sales â€œbacklog.â€ It has a quantitative and a qualitative aspect: quantitatively, our backlogâ€™s prospective dollar value and qualitatively, what percent of the backlog is scheduled by the customer for date-certain delivery. We evaluate our total backlog, which includes all firm orders requested by a customer that are reasonably believed to remain in the backlog and be converted into revenues. This includes customer purchase orders and may include amounts under supply contracts if they meet the aforementioned criteria. Generally, a higher total backlog is better for us.Â Â 27Table of ContentsÂ Our total backlog at September 30, 2024 was approximately $21.0 million, a decrease of 4%, as compared to $21.3 million as of September 30, 2023. Compared to the end of fiscal 2024, our total backlog increased by 7% during the first quarter of fiscal 2025. Backlog change rates for the last five fiscal quarters are:Â QuarterÂ Total Backlog ($ 000)Â Â Change From Prior Year EndÂ Â Change From Prior Quarter EndÂ Q1 2024Â $21,303Â Â Â -2%Â Â -2%Q2 2024Â $21,220Â Â Â -2%Â Â 0%Q3 2024Â $21,967Â Â Â 1%Â Â 4%Q4 2024Â $19,268Â Â Â -11%Â Â -12%Q1 2025Â $20,542Â Â Â 7%Â Â 7%Â Â The increase in backlog during the first quarter of fiscal 2025 is primarily due to a significant contract renewal for advanced infrared optics for a critical international military program, with a small increase over the previous renewal in the same quarter of the prior fiscal year. Also contributing to the increase is a $0.5 million low-rate initial production order for thermal imaging assemblies with a new tier-1 defense customer. These significant bookings were partially offset by shipments against prior period backlog under other annual and multi-year contracts. The timing of multi-year contract renewals are not always consistent and, thus, backlog levels may increase substantially when annual and multi-year orders are received, and decrease as shipments are made against these orders.We anticipate that our existing annual and multi-year contracts will be renewed in future quarters.Â Markets continue to experience growing demand for infrared products used in the industrial, defense and first responder sectors. Demand for infrared products continues to be fueled by interest in lenses made with our proprietary BD6 and our new BDNL-4 materials. With the global supply of germanium currently concentrated in Russia and China, recent global events are generating renewed interest in germanium alternatives such as our proprietary BlackDiamond materials, and other materials we are currently developing under an exclusive license with the Naval Research Lab.Â As we have outlined in our strategic direction, we do not expect to see significant growth in our visible components product group in the near future. Competition in that product line has grown substantially over the last few years, and some of our new molding capabilities and technologies such as free-form molded optics, might take longer than anticipated to reach full commercialization, depending on economic conditions and technology trends in the area of AR\VR.Â In addition, order bookings for both visible and infrared components and assemblies continue to be slow in China. Domestic sales in China have also been adversely impacted by the economic downturn in China, which continues to negatively impact revenue and bookings in that region.Â Â 28Table of ContentsÂ Revenue by Product GroupÂ The following table sets forth revenue for our four product groups for the three-month periods ended

September 30, 2024 and 2023:Â Â Â (unaudited)Â Â Â Â Â Â Three Months EndedSeptember 30,Â Â Â Â Â Â 2024Â Â 2023Â Â % ChangeÂ RevenueÂ Â Â Â Â Â Â Â Â Â Infrared componentsÂ $2,610,884Â Â $3,834,602Â Â Â -32%Visible componentsÂ Â 3,299,878Â Â Â 2,688,335Â Â Â 23%Assemblies and modulesÂ Â 1,093,668Â Â Â 1,262,039Â Â Â -13%Engineering servicesÂ Â 1,395,951Â Â Â 292,272Â Â Â 378%Total revenueÂ $8,400,381Â Â $8,077,248Â Â Â 4%Â Â Our revenue increased by 4% in the first quarter of fiscal 2025, as compared to the same quarter of the prior fiscal year, driven by increases in sales of visible components and engineering services, partially offset by decreases in infrared components and assemblies and modules.Â Revenue generated by the infrared components product group for the first quarter of fiscal 2025 was $2.6 million, a decrease of 32%, as compared to same quarter of the prior fiscal year. The decrease in revenue is primarily due to a decrease in sales against a large annual contract for Germanium-based products, which was not renewed in the second quarter of fiscal 2024, as we have decided to reduce the amount of optics we produce from Germanium, both to reduce our risk of supply chain disruption, and more importantly, to work with customers to convert their systems to use optics made of our own BlackDiamond materials. We continue to work with this customer, as well as other customers to convert their systems to use BlackDiamond optics. During the first quarter of fiscal 2025, we announced that a current key defense customer using Germanium lenses successfully completed the qualification and evaluation of new optics made from our proprietary BlackDiamond chalcogenide-based glass.Â Revenue from the visible components product group for the first quarter of fiscal 2025 was $3.3 million, an increase of 23%, as compared to the same quarter of the prior fiscal year. The increase in revenue is primarily due to an increase in sales to customers in the defense and medical industries, as well as sales through catalog and distribution channels. The quarter-over-quarter increase was largely due to timing; we generally do not expect growth in our visible components product group.Â Revenue from assemblies and modules decreased by 13% for the first quarter of fiscal 2025, as compared to the same quarter of the prior fiscal year. The majority of the decrease is due to timing of shipments against a multi-year contract with a defense customer, partially offset by increased sales of infrared camera cores. During the first quarter of fiscal 2025, we announced the global launch of a new version of the Mantisâ„¢ camera, specifically designed for monitoring high-temperature processes inside boilers and furnaces in power plants, and the first commercial order for furnace inspection for a customer in the southeastern U.S., as well as a new Optical Gas Imaging (â€œOGIâ€) camera platform to detect fugitive gas emissions for oil and gas applications.Â Revenue from engineering services increased by $1.1 million, or 378%, for the first quarter of fiscal 2025, as compared to the same quarter of the prior fiscal year. This increase was primarily driven by Visimidâ€™s contract with Lockheed Martin, where revenue is generally recognized based on the achievement of milestones. During the first quarter of fiscal 2025, we received qualification of our advanced thermal camera system by Lockheed Martin as part of its bid to produce the design of a major missile program for the U.S. Army. LightPath will now start delivering flightworthy hardware for implementation into Lockheed Martin's initial live test units.Â Other Key IndicatorsÂ Other key indicators include various operating metrics, some of which are qualitative and others are quantitative. These indicators change from time to time as the opportunities and challenges in the business change. They are mostly non-financial indicators, such as evaluating the pipeline of sales opportunities, on time delivery trends, production yield rates by major product line, and the output and yield data from significant intermediary manufacturing processes that support the production of the finished shippable product. The data from these reports is used to determine tactical operating actions and changes. Management also assesses business performance and makes business decisions regarding our operations using certain non-GAAP measures. These non-GAAP measures are described in more detail below under the heading â€œNon-GAAP Financial Measures.â€Â Â 29Table of ContentsÂ Non-GAAP Financial MeasuresÂ We report our historical results in accordance with GAAP; however, our management also assesses business performance and makes business decisions regarding our operations using certain non-GAAP financial measures. We believe these non-GAAP financial measures provide useful information to management and investors that is supplementary to our financial condition and results of operations computed in accordance with GAAP; however, we acknowledge that our non-GAAP financial measures have a number of limitations. As such, you should not view these disclosures as a substitute for results determined in accordance with GAAP, and they are not necessarily comparable to non-GAAP financial measures that other companies use. Â EBITDAÂ EBITDA is a non-GAAP financial measure used by management, lenders, and certain investors as a supplemental measure in the evaluation of some aspects of a corporationâ€™s financial position and core operating performance. Investors sometimes use EBITDA, as it allows for some level of comparability of profitability trends between those businesses differing as to capital structure and capital intensity by removing the impacts of depreciation and amortization. EBITDA also does not include changes in major working capital items, such as receivables, inventory and payables, which can also indicate a significant need for, or source of, cash. Since decisions regarding capital investment and financing and changes in working capital components can have a significant impact on cash flow, EBITDA is not necessarily a good indicator of a businessâ€™s cash flows. We use EBITDA for evaluating the relative underlying performance of our core operations and for planning purposes. We calculate EBITDA by adjusting net income to exclude net interest expense, income tax expense or benefit, depreciation and amortization, thus the term â€œEarnings Before Interest, Taxes, Depreciation and Amortizationâ€ and the acronym â€œEBITDA.â€Â We believe EBITDA is helpful for investors to better understand our underlying business operations. The following table adjusts net loss to EBITDA for the three months ended September 30, 2024 and 2023:Â LIGHTPATH TECHNOLOGIES, INC.Â Reconciliation of Non-GAAP Financial Measures and Regulation G DisclosureÂ Â Â Â Â Â Â Â Â Â (unaudited)Â Â Â Three Months Ended September 30,Â Â Â Â 2024Â Â 2023Â Net lossÂ $(1,622,745)Â $(1,342,376)Depreciation and amortizationÂ Â 989,562Â Â Â 813,556Â Income tax provisionÂ Â 15,636Â Â Â 39,546Â Interest expenseÂ Â 149,360Â Â Â 57,611Â EBITDAÂ $(468,187)Â $(431,663)% of revenueÂ Â -6%Â Â -5%Â Â Our EBITDA for the quarter ended September 30, 2024 was a loss of approximately $0.5 million, compared to $0.4 million for the same quarter of the prior fiscal year. The decrease in EBITDA in the first quarter of fiscal 2025 was primarily attributable to the additional legal and consulting expenses related to business development initiatives.Â Â 30Table of ContentsÂ Item 3. Quantitative and Qualitative Disclosures about Market RiskÂ Because we are allowed to comply with the disclosure obligations applicable to a â€œsmaller reporting company,â€ as defined by Rule 12b-2 of the Exchange Act, with respect to this Quarterly Report on Form 10-Q, we are not required to provide the information required by this Item.Â Item 4. Controls and ProceduresÂ Under the supervision and with the participation of our management, including our Chief Executive Officer and our Chief Financial Officer, we evaluated the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Exchange Act) as of September 30, 2024, the end of the period covered by this Quarterly Report. Based on that evaluation, the Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective as of September 30, 2024 in reporting on a timely basis information required to be disclosed by us in the reports we file or submit under the Exchange Act.Â There have not been any significant changes in our internal control over financial reporting (as defined in Rule 13a-15(f) under the Exchange Act) during the three months ended September 30, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.Â Â 31Table of ContentsÂ PART II OTHER INFORMATIONÂ Item 1. Legal ProceedingsÂ The Company is subject, from time to time, to various legal proceedings that are incidental to the conduct of its business. The Company is not involved in any pending legal proceeding that it believes would reasonably be expected to have a material adverse effect on its financial condition or results of operations.Â Item 1A. Risk FactorsÂ Our business, operations, and financial condition are subject to various risks and uncertainties. The risk factors described in Part I, â€œItem 1A. Risk Factorsâ€ in our Annual Report on Form 10-K, for the year ended June 30, 2024, should be carefully considered, together with the other information contained or incorporated by reference in this Quarterly Report on Form 10-Q and in our other filings with the SEC in connection with evaluating us, our business, and the forward-looking statements contained in this Quarterly Report on Form 10-Q. During the three months ended September 30, 2024, there have been no material changes from the risk factors previously disclosed under Part I, â€œItem 1A. Risk Factorsâ€ in our Annual Report on Form 10-K, for the year ended June 30, 2024.Â Item 2. Unregistered Sales of Equity Securities and Use of ProceedsÂ NoneÂ Item 3. Defaults Upon Senior SecuritiesÂ NoneÂ Item 4. Mine Safety DisclosuresÂ Not applicableÂ Item 5. Other InformationÂ During the three months ended September 30, 2024, no director or officer of the Company adopted or terminated a â€œRule 10b5-1 trading arrangementâ€ or â€œnon-Rule 10b5-1 trading arrangement,â€ as each term is defined in Item 408(a) of Regulation S-K.Â Â Â 32Table of ContentsÂ Item 6. ExhibitsÂ The following exhibits are filed herewith as a part of this report.Â Exhibit Number Â DescriptionÂ Â Â 10.1Â Bridge Note dated August 6, 2024 by LightPath Technologies, Inc. in favor of Lytton-Kambara Foundation which was filed as Exhibit 10.1 to our Current Report on Form 8-K (File No: 000-27548) filed with the Securities and Exchange Commission on August 12, 2024, and is incorporated herein by reference thereto.Â Â Â 31.1*Â Certification of Chief Executive Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934Â Â Â 31.2*Â Certification of Chief Financial Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934Â Â Â 32.1**Â Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350 of Chapter 63 of Title 18 of the United States CodeÂ Â Â 32.2**Â Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350 of Chapter 63 of Title 18 of the United States CodeÂ Â Â 101.INSÂ Inline XBRL Instance Document *Â Â Â 101.SCHÂ Inline XBRL Taxonomy Extension Schema Document *Â Â Â 101.CALÂ Inline XBRL Taxonomy Extension Calculation Linkbase Document *Â Â Â 101.DEFÂ Inline XBRL Taxonomy Extension Definition Linkbase Document *Â Â Â 101.LABÂ Inline XBRL Taxonomy Extension Label Linkbase Document *Â Â Â 101.PREÂ Inline XBRL Taxonomy Presentation Linkbase Document *Â Â Â 104Â Cover Page Interactive Data File â€“ formatted in Inline XBRL and contained in Exhibit 101 *Â *filed herewith**furnished, not filedÂ Â 33Table of ContentsÂ SIGNATURESÂ Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.Â Â Â LIGHTPATH TECHNOLOGIES, INC.Â Â Â Â Date: November 7, 2024By:/s/ Shmuel RubinÂ Â Shmuel RubinÂ Â Â President and Chief Executive OfficerÂ Â Â Â Â Â Â Â Â Date: November 7, 2024By:/s/ Albert MirandaÂ Â Â Albert MirandaÂ Â Â Chief Financial OfficerÂ Â Â 34Â EX-31.1 2 lpth_ex311.htm CERTIFICATION lpth_ex311.htmEXHIBIT 31.1 Â Certification of Chief Executive Officer Pursuant to Rule 13a-14(a) under the Securities Exchange Act of 1934 Â I, Shmuel Rubin, certify that: Â 1. I have reviewed this Quarterly Report on Form 10-Q of LightPath Technologies, Inc.; Â Â 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; Â Â 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; Â Â 4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: Â Â Â a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â Â Â Â b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; Â Â Â Â c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â Â Â Â d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and Â Â 5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions): Â Â Â a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and Â Â Â Â b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting. Â Â Â Date: November 7, 2024 /s/ Shmuel Rubin Â Â Shmuel Rubin Â Â President and Chief Executive Officer Â Â Â EX-31.2 3 lpth_ex312.htm CERTIFICATION lpth_ex312.htmEXHIBIT 31.2 Â Certification of Chief Financial Officer Pursuant to Rule 13a-14(a) under the Securities Exchange Act of 1934 Â I, Albert Miranda, certify that: Â 1. I have reviewed this Quarterly Report on Form 10-Q of LightPath Technologies, Inc.; Â Â 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; Â Â 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; Â Â 4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: Â Â Â a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â Â Â Â b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; Â Â Â Â c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â Â Â Â d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and Â Â 5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions): Â Â Â a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and Â Â Â Â b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting. Â Â Date: November 7, 2024 /s/ Albert Miranda Â Â Albert Miranda Â Â Chief Financial Officer Â EX-32.1 4 lpth_ex321.htm CERTIFICATION lpth_ex321.htmEXHIBIT 32.1 Â Certification of Chief Executive Officer Pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code Â Pursuant to U.S.C. Section 1350, as created by Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned Chief Executive Officer of LightPath Technologies, Inc. (the "Company") does hereby certify, to the best of such officer's knowledge, that: Â Â 1. The Quarterly Report on Form 10-Q of the Company for the quarterly period ended September 30, 2024 (the "Report") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and Â Â Â Â 2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Â Â Dated: November 7, 2024 /s/ Shmuel Rubin Â Â Shmuel Rubin Â Â President and Chief Executive Officer Â Â The certifications set forth above are being furnished as an exhibit solely pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, and shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall they be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended. Â A signed original of this written statement required by Section 906, or other document authenticating, acknowledging or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to LightPath Technologies, Inc. and will be retained by LightPath Technologies, Inc. and furnished to the Securities and Exchange Commission or its staff upon request. Â EX-32.2 5 lpth_ex322.htm CERTIFICATION lpth_ex322.htmEXHIBIT 32.2 Â Certification of Chief Financial Officer Pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code Â Pursuant to U.S.C. Section 1350, as created by Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned Chief Financial Officer of LightPath Technologies, Inc. (the "Company") does hereby certify, to the best of such officer's knowledge, that: Â Â 1. The Quarterly Report on Form 10-Q of the Company for the quarterly period ended September 30, 2024 (the "Report") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and Â Â Â Â 2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Â Â Dated: November 7, 2024 /s/ Albert Miranda Â Â Albert Miranda Â Â Chief Financial Officer Â Â The certifications set forth above are being furnished as an exhibit solely pursuant to Section

906 of the Sarbanes-Oxley Act of 2002, and shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall they be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended. Â A signed original of this written statement required by Section 906, or other document authenticating, acknowledging or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to LightPath Technologies, Inc. and will be retained by LightPath Technologies, Inc. and furnished to the Securities and Exchange Commission or its staff upon request. Â EX-101.SCH 6 lpth-20240930.xsd XBRL TAXONOMY EXTENSION SCHEMA 000001 - Document - Cover link:presentationLink link:calculationLink link:definitionLink 000002 - Statement - Condensed Consolidated Balance Sheets link:presentationLink link:calculationLink link:definitionLink 000003 - Statement - Condensed Consolidated Balance Sheets (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 000004 - Statement - Condensed Consolidated Statements of Comprehensive Income (Loss) (Unaudited) link:presentationLink link:calculationLink link:definitionLink 000005 - Statement - Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) link:presentationLink link:calculationLink link:definitionLink 000006 - Statement - Condensed Consolidated Statements of Cash Flows (Unaudited) link:presentationLink link:calculationLink link:definitionLink 000007 - Disclosure - Basis of Presentation link:presentationLink link:calculationLink link:definitionLink 000008 - Disclosure - Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 000009 - Disclosure - Acquisition of Visimid Technologies link:presentationLink link:calculationLink link:definitionLink 000010 - Disclosure - Revenue link:presentationLink link:calculationLink link:definitionLink 000011 - Disclosure - Inventories link:presentationLink link:calculationLink link:definitionLink 000012 - Disclosure - Property and Equipment link:presentationLink link:calculationLink link:definitionLink 000013 - Disclosure - Goodwill and Intangible Assets link:presentationLink link:calculationLink link:definitionLink 000014 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 000015 - Disclosure - StockBased Compensation link:presentationLink link:calculationLink link:definitionLink 000016 - Disclosure - Earnings (Loss) Per Share link:presentationLink link:calculationLink link:definitionLink 000017 - Disclosure - Leases link:presentationLink link:calculationLink link:definitionLink 000018 - Disclosure - Loans Payable link:presentationLink link:calculationLink link:definitionLink 000019 - Disclosure - Foreign Operations link:presentationLink link:calculationLink link:definitionLink 000020 - Disclosure - Contingencies link:presentationLink link:calculationLink link:definitionLink 000021 - Disclosure - Liquidity link:presentationLink link:calculationLink link:definitionLink 000022 - Disclosure - Significant Accounting Policies (Policies) link:presentationLink link:calculationLink link:definitionLink 000023 - Disclosure - Revenue (Tables) link:presentationLink link:calculationLink link:definitionLink 000024 - Disclosure - Inventories (Tables) link:presentationLink link:calculationLink link:definitionLink 000025 - Disclosure - Property and Equipment (Tables) link:presentationLink link:calculationLink link:definitionLink 000026 - Disclosure - Goodwill and Intangible Assets (Tables) link:presentationLink link:calculationLink link:definitionLink 000027 - Disclosure - Income Taxes (Tables) link:presentationLink link:calculationLink link:definitionLink 000028 - Disclosure - Stock Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 000029 - Disclosure - Earnings (Loss) Per Share (Tables) link:presentationLink link:calculationLink link:definitionLink 000030 - Disclosure - Leases (Tables) link:presentationLink link:calculationLink link:definitionLink 000031 - Disclosure - Loans Payable (Tables) link:presentationLink link:calculationLink link:definitionLink 000032 - Disclosure - Foreign Operations (Tables) link:presentationLink link:calculationLink link:definitionLink 000033 - Disclosure - Acquisition of Visimid Technologies (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000034 - Disclosure - Revenue (Details) link:presentationLink link:calculationLink link:definitionLink 000035 - Disclosure - Revenue (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000036 - Disclosure - Inventories (Details) link:presentationLink link:calculationLink link:definitionLink 000037 - Disclosure - Inventories (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000038 - Disclosure - Property and Equipment (Details) link:presentationLink link:calculationLink link:definitionLink 000039 - Disclosure - Goodwill and Intangible Assets (Details) link:presentationLink link:calculationLink link:definitionLink 000040 - Disclosure - Goodwill and Intangible Assets (Details 1) link:presentationLink link:calculationLink link:definitionLink 000041 - Disclosure - Income Taxes (Details) link:presentationLink link:calculationLink link:definitionLink 000042 - Disclosure - Income Taxes (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000043 - Disclosure - Stock-Based Compensation (Details) link:presentationLink link:calculationLink link:definitionLink 000044 - Disclosure - Stock-Based Compensation (Details 1) link:presentationLink link:calculationLink link:definitionLink 000045 - Disclosure - Stock-Based Compensation (Details 2) link:presentationLink link:calculationLink link:definitionLink 000046 - Disclosure - Stock-Based Compensation (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000047 - Disclosure - Earnings (Loss) Per Share (Details) link:presentationLink link:calculationLink link:definitionLink 000048 - Disclosure - Earnings (Loss) Per Share (Details 1) link:presentationLink link:calculationLink link:definitionLink 000049 - Disclosure - Leases (Details) link:presentationLink link:calculationLink link:definitionLink 000050 - Disclosure - Leases (Details 1) link:presentationLink link:calculationLink link:definitionLink 000051 - Disclosure - Leases (Details 2) link:presentationLink link:calculationLink link:definitionLink 000052 - Disclosure - Leases (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000053 - Disclosure - Loans Payable (Details) link:presentationLink link:calculationLink link:definitionLink 000054 - Disclosure - Loans Payable (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000055 - Disclosure - Foreign Operations (Details) link:presentationLink link:calculationLink link:definitionLink 000056 - Disclosure - Foreign Operations (Details 1) link:presentationLink link:calculationLink link:definitionLink 000057 - Disclosure - Foreign Operations (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000058 - Disclosure - Contingencies (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 000059 - Disclosure - Liquidity (Details Narrative) link:presentationLink link:calculationLink link:definitionLink EX-101.LAB 7 lpth-20240930_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE Cover [Abstract] Entity Registrant Name Entity Central Index Key Document Type Amendment Flag Current Fiscal Year End Date Ēntity Small Business Entity Shell Company Entity Emerging Growth Company Entity Current Reporting Status Document Period End Date Entity Filer Category Document Fiscal Period Focus Document Fiscal Year Focus Entity Common Stock Shares Outstanding Document Quarterly Report Document Transition Report Entity File Number Entity Incorporation State Country Code Entity Tax Identification Number Entity Address Address Line 1 Entity Address Address Line 2 Entity Address City Or Town Entity Address State Or Province Entity Address Postal Zip Code City Area Code Local Phone Number Security 12b Title Trading Symbol Security Exchange Name Entity Interactive Data Current Condensed Consolidated Balance Sheets Current assets: Cash and cash equivalents Trade accounts receivable, net of allowance of $20,870 and $25,676 Inventories, net Prepaid expenses and deposits Other current assets Total current assets [Assets, Current] Property and equipment, net Operating lease right-of-use assets Intangible assets, net Goodwill Deferred tax assets, net Other assets Total assets [Assets] Liabilities and Stockholders' Equity Current liabilities: Accounts payable Accrued liabilities Accrued payroll and benefits Operating lease liabilities, current Loans payable, current portion Finance lease obligation, current portion Total current liabilities [Liabilities, Current] Deferred tax liabilities, net Accrued liabilities, noncurrent Finance lease obligation, less current portion Operating lease liabilities, noncurrent Loans payable, less current portion Total liabilities [Liabilities] Commitments and Contingencies Preferred stock: Series D, $.01 par value, voting; 500,000 shares authorized; none issued and outstanding Common stock: Class A, $.01 par value, voting; 94,500,000 and 44,500,000 shares authorized; 39,612,737 and 39,254,643 shares issued and outstanding Additional paid-in capital Accumulated other comprehensive income Accumulated deficit Total stockholders' equity [Equity, Attributable to Parent] Total liabilities and stockholders' equity [Liabilities and Equity] Allowance For Doubtful Trade Accounts Receivable Preferred Stock: Series D, Par Value Preferred Stock: Series D, Shares Authorized Preferred Stock: Series D, Shares Issued Preferred Stock: Series D, Shares Outstanding Common Stock: Class A, Par Value Common Stock: Class A, Shares Authorized Common Stock: Class A, Shares Issued Common Stock: Class A, Shares Outstanding Condensed Consolidated Statements of Comprehensive Income (Loss) (Unaudited) Revenue, net Cost of sales Gross profit [Gross Profit] Operating expenses: Selling, general and administrative New product development Amortization of intangible assets Loss on disposal of property and equipment [Gain (Loss) on Disposition of Other Financial Assets] Total operating expenses [Operating Expenses] Operating loss [Operating Income (Loss)] Other income (expense): Interest expense, net [Interest Expense, Operating and Nonoperating] Other income (expense), net Total other expense, net [Other Nonoperating Income (Expense)] Loss before income taxes [Income (Loss) from Continuing Operations before Income Taxes, Domestic] Income tax provision Net loss [Net Income (Loss) Attributable to Parent] Foreign currency translation adjustment Comprehensive loss [Comprehensive Income (Loss), Net of Tax, Attributable to Parent] Loss per common share (basic) Number of shares used in per share calculation (basic) Loss per common share (diluted) Number of shares used in per share calculation (diluted) Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) Statement [Table] Statement [Line Items] Equity Components [Axis] Retained Earnings (Accumulated Deficit) Additional Paid-In Capital Accumulated other comprehensive loss Class A Common Stock Balance, shares [Shares, Issued] Balance, amount Employee Stock Purchase Plan, shares Employee Stock Purchase Plan, amount Exercise of Stock Options, RSUs & RSAs, net, shares Exercise of Stock Options, RSUs & RSAs, net, amount Issuance of common stock for acquisition of Visimid, shares Issuance of common stock for acquisition of Visimid, amount Stock-based compensation on stock options, RSUs & RSAs Foreign currency translation adjustment [Temporary Equity, Foreign Currency Translation Adjustments] Net loss Balance, shares Balance, amount Condensed Consolidated Statements of Cash Flows (Unaudited) Cash flows from operating activities: Net loss [Net Income (Loss), Including Portion Attributable to Noncontrolling Interest] Depreciation and amortization Interest from amortization of loan issuance costs Stock-based compensation on stock options, RSUs & RSAs, net Provision for credit losses Change in operating lease assets and liabilities Inventory write-offs to allowance Deferred taxes Changes in operating assets and liabilities: Trade accounts receivable [Increase (Decrease) in Accounts Receivable] Other current assets [Increase (Decrease) in Other Current Assets] Inventories [Increase (Decrease) in Inventories] Prepaid expenses and deposits [Increase (Decrease) in Prepaid Expense and Other Assets] Accounts payable and accrued liabilities Net cash (used in) provided by operating activities [Net Cash Provided by (Used in) Operating Activities] Cash flows from investing activities: Purchase of property and equipment [Payments to Acquire Property, Plant, and Equipment] Proceeds from sale of equipment Proceeds from sale-leaseback of equipment Acquisition of Visimid Technologies, net of cash acquired [Acquisition of Visimid Technologies, net of cash acquired] Net cash used in investing activities [Net Cash Provided by (Used in) Investing Activities] Cash flows from financing activities: Proceeds from sale of common stock from Employee Stock Purchase Plan Loan issuance costs [Payments of Debt Issuance Costs] Borrowings on loans payable Payments on loans payable [Repayments of Debt] Repayment of finance lease obligations [Repayments of Debt and Lease Obligation] Net cash provided by (used in) financing activities [Net Cash Provided by (Used in) Financing Activities] Effect of exchange rate on cash and cash equivalents Change in cash, cash equivalents and restricted cash [Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect] Cash, cash equivalents and restricted cash, beginning of period [Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents] Cash, cash equivalents and restricted cash, end of period Supplemental disclosure of cash flow information: Interest paid in cash Income taxes paid Supplemental disclosure of non-cash investing & financing activities: Purchase of equipment through finance lease arrangements Basis of Presentation Basis Of Presentaion Significant Accounting Policies Significant Accounting Policies Significant Accounting Policies [Text Block] Acquisition of Visimid Technologies Acquisition of Visimid Technologies [Acquisition of Visimid Technologies] Revenue Revenue Revenue from Contract with Customer [Text Block] Inventories Inventories Inventory Disclosure [Text Block] Property and Equipment Property And Equipment Goodwill and Intangible Assets Goodwill And Intangible Assets Income Taxes Income Taxes Income Tax Disclosure [Text Block] StockBased Compensation Stock-based Compensation Earnings (Loss) Per Share Earnings (loss) Per Share Leases Leases Lessee, Operating Leases [Text Block] Loans Payable Loans Payable Debt Disclosure [Text Block] Foreign Operations Foreign Operations Foreign Currency Disclosure [Text Block] Contingencies Commitments and Contingencies Disclosure [Text Block] Liquidity Liquidity [Liquidity] Use Of Estimates Schedule of revenue by product Schedule of Inventories Schedule Of Property And Equipment Schedule of Identified Intangible Assets Schedule Of Intangible Assets Future Amortization Schedule of Income Tax Expense And Effective Income Tax Rate Schedule Of Stock-based Compensation Expense Summary Of Activity Of Share Based Compensation Awards Schedule Of Share-based unreognized Compensation Future Cost To Be Recognized Schedule Of The Computations For Basic And Diluted Earnings (loss) Per Common Share Schedule Of Potential Dilutive Shares Were Not Included In The Computation Of Diluted Earnings (loss) Per Common Share Schedule of components of lease expense Supplement Balance Sheet Information Schedule of Lease Term And Discount Rate Supplemental Cash Flow Information Future Maturities Of Lease Liabilities Future Maturities Of Loans Payable Schedule of Revenue and Foreign Assets Business Acquisition Axis Finite Lived Intangible Assets By Major Class Axis Indefinite Lived Intangible Assets By Major Class Axis Award Date [Axis] Acquisition of Visimid Technologies [Member] Customer Backlog [Member] Customer Relationships [Member] Trade Secrets [Member] Trademarks [Member] January 1, 2024 [Member] July 1, 2024 [Member] Acquisition price of company in cash Restricted stock Estimated fair values of the assets acquired and liabilities assumed Bank debt Description of restricted stock installments Shares issued Purchase price net acquisition cost Estimated useful lives of assets Acquisition payment amount at the closing period Product Or Service Axis Infrared Components [Member] Visible Components [Member] Assemblies and Modules [Member] Engineering Services [Member] Revenues Deferred revenue Raw materials Work in process Finished goods Allowance for obsolescence [Inventory Valuation Reserves] Inventories, net Public Utilities Inventory Axis Inventory - Tooling [Member] Raw materials Property Plant And Equipment By Type Axis Plan Name [Axis] Manufacturing Equipment [Member] Computer Equipment And Software [Member] Furniture And Fixtures [Member] Leasehold Improvements [Member] Construction In Progress [Member] Minimum [Member] Maximum [Member] Total property and equipment, gross Less accumulated depreciation and amortization [Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment] Total property and equipment, net Estimated life Trademark [Member] Maximum [Member] Customer Relationships [Member] Trade Secrets [Member] Backlog [Member] Minimum [Member] Intangible Assets, Gross Less Accumulated Amortization [Finite-Lived Intangible Assets, Accumulated Amortization] Intangible Assets, Net Useful Life Intangible Assets [Member] June 30, 2025 (nine months remaining) June 30, 2026 June 30, 2027 June 30, 2028 June 30, 2029 After June 30, 2027 Intangible Assets, Net Income (loss) before income taxes Income tax provision Effective income tax rate Geographical [Axis] Republic of China [Member] LATVIA Change in statutory income tax rate U.S. federal and state statutory income tax rate Statutory income tax rate Unpaid withholding tax Award Type [Axis] Restricted Stock Award R S A [Member] Restricted Stock Units Stock Options [Member] Stock-based compensation Financial Instrument [Axis] Restricted Stock Units [Member] Restricted Stock Awards [Member] RSA Shares Balance beginning share Granted share Exercised share Cancelled/Forfeited Balance ending share Exercisable And Vested, restricted award Shares] Unexercisable unvested restricted share award Restricted stock award Weighted average remaining contract life - Restricted Stock Units Beginning Restricted stock award Weighted average remaining contract life - Restricted Stock Units ending Unexercisable unvested restricted stock award weighted average term Stock Options Share-Based Payment Arrangement, Noncash Expense [Abstract] Balance, beginning, shares [Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number] Granted, shares Exercised, shares [Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period] Cancelled/Forfeited, shares [Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period] Balance, ending, shares Balance ending, shares exercisable and vested Balance ending, shares unexercisable and unvested Weighted average exercise price - Stock Options Weighted average exercise price, Balance Beginning [Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price] Weighted average exercise price, Granted Weighted average exercise price, Exercised Weighted average exercise price, Cancelled/Forfeited Weighted average exercise price, Balance Ending Weighted average exercise price, Exercisable/vested - Balance Ending [Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Exercise Price] Weighted average exercise price, Unexercisable/unvested - Balance Ending [Share-Based Compensation Arrangement by Share-Based Payment Award, Option, Nonvested, Weighted Average Exercise Price] Weighted average remaining contract life - Stock Options Weighted average remaining contract life, Balance Beginning Weighted average remaining contract life, Balance Ending Weighted average remaining contract life, Exercisable/vested Weighted average remaining contract life, Unexercisable/unvested RSU Shares Balance, beginning [Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Outstanding, Number] Granted Exercised Cancelled/forfeited [Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Forfeitures and Expirations] Balance, ending Balance, ending, shares exercisable and vested [Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Number] Balance, ending, shares unexercisable/unvested [Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number] Weighted average remaining contract life - Restricted Stock Units, beginning Weighted average remaining contract life - Restricted Stock Units, ending Weighted average remaining contract life unexercisable/unvested - Restricted Stock Units Year ended June 30, 2027 Year ended June 30, 2025 Year ended June 30, 2026 Stock options Restricted stock units Restricted Stock Award Total unrecognized compensation cost Class of Stock [Axis] Class A Common Stock [Member] SICP [Member] Total unrecognized compensation cost [Total unrecognized compensation cost] Discount of purchase of common stock Common stock

shares authorized Stock options granted vest ratably description Net income (loss) Weighted Average Number Of Shares Outstanding Basic number of shares Effect of dilutive securities: Options to purchase common stock RSUs Diluted number of shares Loss per common share: Basic Diluted Option Indexed To Issuers Equity Equity Axis Stock Options Share-Based Payment Arrangement, Option [Member] Antidilutive Securities Operating lease cost Finance lease cost, depreciation of lease assets Finance lease cost, interest on lease liabilities Total finance lease cost Total lease cost Assets Operating lease assets Finance lease assets Total lease assets Liabilities Operating leases, current Finance leases, current Operating leases, noncurrent Finance leases, noncurrent Total lease liabilities Weighted average remaining lease term (in years), operating leases Weighted average remaining lease term (in years), finance leases Weighted average discount rate, operating leases Weighted average discount rate, finance leases Operating cash used for operating leases Operating cash used for finance leases Financing cash used for finance leases Finance Lease - Fiscal year ending June 30, June 30, 2025 June 30, 2026 [Finance Lease, Liability, to be Paid, Year One] June 30, 2027 [Finance Lease, Liability, to be Paid, Year Two] June 30, 2028 [Finance Lease, Liability, to be Paid, Year Three] June 30, 2029 [Finance Lease, Liability, to be Paid, Year Four] Thereafter Total future minimum payments Less imputed interest [Finance Lease, Liability, Undiscounted Excess Amount] Present value of lease liabilities Operating Lease - Fiscal Year ending June 30, June 30, 2025 [Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year] June 30, 2026 [Lessee, Operating Lease, Liability, to be Paid, Year One] June 30, 2027 [Lessee, Operating Lease, Liability, to be Paid, Year Two] June 30, 2028 [Lessee, Operating Lease, Liability, to be Paid, Year Three] June 30, 2029 [Lessee, Operating Lease, Liability, to be Paid, Year Four] Thereafter [Thereafter] Total future minimum payments [Lessee, Operating Lease, Liability, to be Paid] Less imputed interest [Lessee, Operating Lease, Liability, Undiscounted Excess Amount] Present value of lease liabilities [Operating Lease, Liability] Finance Lease Assets, Accumulated Depreciation Lease term Operating Lease Expiry Year Description of leased space Tenant improvement allowances Estimated cost of Tenant improvement allowances Debt Instrument [Axis] Promissory Note [Member] Unamortized Loan Issuance [Member] Equipment Loans [Member] June 30, 2025 (remaining nine months) [Long-Term Debt, Maturity, Remainder of Fiscal Year] June 30, 2026 [June 30, 2026] June 30, 2027 [Long-Term Debt, Maturity, Year Two] June 30, 2028 [Long-Term Debt, Maturity, Year Three] Total Payments [Total Payments] Less current portion Non-current portion Bridge Note [Member] 2020 Equipment Loan 2023 Equipment Loan Principal amount Original issue discount Net proceeds Interest rate, per annum Debt term Description of Bridge Note Interest rate increase, per annum Interest Rate On Borrowing Installment Term Advances Income Tax Authority, Name [Axis] UNITED STATES CN [Member] Other Asian countries Rest of world Europe Revenues UNITED STATES [UNITED STATES] Assets [Long-Lived Assets] L P O I Z Cumulative Gain Gain (loss) On Foreign Currency Cash And Cash Equivalents Related expenses Securities Purchase Agreement Common Stock ClassA Offering Price Revised Offering Price Decrease in Aggregate Offering Price Common stock, par value Common stock, shares Issued Purchase Price, per share Description of securities purchase agreement EX-101.CAL 8 lpth-20240930_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE EX-101.PRE 9 lpth-20240930_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE EX-101.DEF 10 lpth-20240930_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE XML 12 R1.htm IDEA: XBRL DOCUMENT v3.24.3 Cover - shares 3 Months Ended Sep. 30, 2024 Nov. 04, 2024 Cover [Abstract] Â Â Entity Registrant Name LIGHTPATH TECHNOLOGIES, INC. Â Entity Central Index Key 0000889971 Â Document Type 10-Q Â Amendment Flag false Â Current Fiscal Year End Date --06-30 Â Entity Small Business true Â Entity Shell Company false Â Entity Emerging Growth Company false Â Entity Current Reporting Status Yes Â Document Period End Date Sep. 30, 2024 Â Entity Filer Category Non-accelerated Filer Â Document Fiscal Period Focus Q1 Â Document Fiscal Year Focus 2025 Â Entity Common Stock Shares Outstanding Â 39,664,887 Document Quarterly Report true Â Document Transition Report false Â Entity File Number 000-27548 Â Entity Incorporation State Country Code DE Â Entity Tax Identification Number 86-0708398 Â Entity Address Address Line 1 2603 Challenger Tech Ct Â Entity Address Address Line 2 Suite 100 Â Entity Address City Or Town Orlando Â Entity Address State Or Province FL Â Entity Address Postal Zip Code 32826 Â City Area Code 407 Â Local Phone Number 382-4003 Â Security 12b Title Class A Common Stock, par value $0.01 Â Trading Symbol LPTH Â Security Exchange Name NASDAQ Â Entity Interactive Data Current Yes Â X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei_AmendmentFlag Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei_CityAreaCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCover page. + ReferencesNo definition available. + Details Name: dei_CoverAbstract Namespace Prefix: dei_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_ Data Type: xbrli:gMonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_ Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_ Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a + Details Name: dei_DocumentQuarterlyReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 2 such as Street or Suite number + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine2 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration XML 13 R2.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Balance Sheets - USD ($) Sep. 30, 2024 Jun. 30, 2024 Current assets: Â Â Cash and cash equivalents $ 4,280,637 $ 3,480,268 Trade accounts receivable, net of allowance of $20,870 and $25,676 5,196,840 4,928,931 Inventories, net 6,790,204 6,551,059 Prepaid expenses and deposits 538,580 445,900 Other current assets 2,218 131,177 Total current assets 16,808,479 15,537,335 Property and equipment, net 14,921,499 15,210,612 Operating lease right-of-use assets 6,514,321 6,741,549 Intangible assets, net 3,254,963 3,650,739 Goodwill 6,764,127 6,764,127 Deferred tax assets, net 123,000 123,000 Other assets 58,001 59,602 Total assets 48,444,390 48,086,964 Current liabilities: Â Â Accounts payable 2,661,862 3,231,713 Accrued liabilities 1,413,876 1,911,867 Accrued payroll and benefits 1,487,707 1,446,452 Operating lease liabilities, current 1,028,981 1,059,998 Loans payable, current portion 2,963,855 209,170 Finance lease obligation, current portion 183,656 177,148 Total current liabilities 9,739,937 8,036,348 Deferred tax liabilities, net 331,755 326,197 Accrued liabilities, noncurrent 315,480 611,619 Finance lease obligation, less current portion 491,106 528,753 Operating lease liabilities, noncurrent 7,836,512 8,058,502 Loans payable, less current portion 284,881 325,880 Total liabilities 18,999,671 17,887,299 Commitments and Contingencies Â Â Preferred stock: Series D, $.01 par value, voting; 500,000 shares authorized; none issued and outstanding 0 0 Common stock: Class A, $.01 par value, voting; 94,500,000 and 44,500,000 shares authorized; 39,612,737 and 39,254,643 shares issued and outstanding 396,127 392,546 Additional paid-in capital 245,733,382 245,140,758 Accumulated other comprehensive income 781,530 509,936 Accumulated deficit (217,466,320) (215,843,575) Total stockholders' equity 29,444,719 30,199,665 Total liabilities and stockholders' equity $ 48,444,390 $ 48,086,964 X - ReferencesNo definition available. + Details Name: lpth_DeferredTaxesAssetsNetCurrent Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic

40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14 + Details Name: us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AdditionalPaidInCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name 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http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_AssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 45 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477796/946-210-45-21Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 210 -Topic 946 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477796/946-210-45-20 + Details Name: us-gaap_Cash Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_CommonStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deferred tax asset, of deferred tax liability attributable to taxable differences with jurisdictional netting. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(15)(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482525/740-10-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482525/740-10-45-6 + Details Name: us-gaap_DeferredIncomeTaxLiabilitiesNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_EmployeeRelatedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease, classified as noncurrent. + ReferencesReference 1:

http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482598/350-20-45-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(10)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Goodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 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(SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI 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http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI 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-Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 21: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_LiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of portion of long-term loans payable due within one year or the operating cycle if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LoansPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of loans payable (with maturities initially due after one year or beyond the operating cycle if longer), excluding current portion. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermLoansPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. +

ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of expenses incurred but not yet paid classified as other, due after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAccruedLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of current assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_PreferredStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 14 R3.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Balance Sheets (Parenthetical) - USD ($) Sep. 30, 2024 Jun. 30, 2024 Condensed Consolidated Balance Sheets Â Â Allowance For Doubtful Trade Accounts Receivable $ 20,870 $ 25,676 Preferred Stock: Series D, Par Value $ 0.01 $ 0.01 Preferred Stock: Series D, Shares Authorized 500,000 500,000 Preferred Stock: Series D, Shares Issued 0 0 Preferred Stock: Series D, Shares Outstanding 0 0 Common Stock: Class A, Par Value $ 0.01 $ 0.01 Common Stock: Class A, Shares Authorized 94,500,000 94,500,000 Common Stock: Class A, Shares Issued 39,612,737 39,254,643 Common Stock: Class A, Shares Outstanding 39,612,737 34,344,739 X - DefinitionAmount of allowance for credit loss on accounts receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting

Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_PreferredStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 15 R4.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Comprehensive Income (Loss) (Unaudited) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Condensed Consolidated Statements of Comprehensive Income (Loss) (Unaudited) Â Â Revenue, net $ 8,400,381 $ 8,077,248 Cost of sales 5,555,952 5,745,542 Gross profit 2,844,429 2,331,706 Operating expenses: Â Â Selling, general and administrative 3,270,583 2,661,168 New product development 476,441 639,889 Amortization of intangible assets 395,776 281,271 Loss on disposal of property and equipment 78,437 0 Total operating expenses 4,221,237 3,582,328 Operating loss (1,376,808) (1,250,622) Other income (expense): Â Â Interest expense, net (149,360) (57,611) Other income (expense), net (80,941) 5,403 Total other expense, net (230,301) (52,208) Loss before income taxes (1,607,109) (1,302,830) Income tax provision 15,636 39,546 Net loss (1,622,745) (1,342,376) Foreign currency translation adjustment 271,594 125,208 Comprehensive loss $ (1,351,151) $ (1,467,584) Loss per common share (basic) $ (0.04) $ (0.04) Number of shares used in per share calculation (basic) 39,561,480 37,431,748 Loss per common share (diluted) $ (0.04) $ (0.04) Number of shares used in per share calculation (diluted) 39,561,480 37,431,748 X - ReferencesNo definition available. + Details Name: lpth_BasicEarningsPerShare Namespace Prefix: lpth_ Data Type: num:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_BasicWeightedAverageNumberOfSharesOutstanding Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_DilutedEarningsPerShare Namespace Prefix: lpth_ Data Type: num:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_DilutedWeightedAverageNumberOfSharesOutstanding Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2 + Details Name: us-gaap_AmortizationOfIntangibleAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-5 + Details Name: us-gaap_ComprehensiveIncomeNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate cost of goods produced and sold and services rendered during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB 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210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification 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Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) on disposal of other assets utilized in financial service operations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnDispositionOfOtherFinancialAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 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http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_GrossProfit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of earnings or loss from continuing operations before income taxes that is attributable to domestic operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards 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https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name

Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest expense classified as operating and nonoperating. Includes, but is not limited to, cost of borrowing accounted for as interest expense. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI 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us-gaap_InterestExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 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17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionGenerally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense. + ReferencesNo definition available. + Details Name: us-gaap_OperatingExpenses Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OperatingExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (a) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1 + Details Name: us-gaap_OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OtherNonoperatingIncomeExpenseAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe net amount of other operating income and expenses, the components of which are not separately disclosed on the income statement, from items that are associated with the entity's normal revenue producing operations. + ReferencesNo definition available. + Details Name: us-gaap_OtherOperatingIncomeExpenseNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Excludes cost for computer software product to be sold, leased, or otherwise marketed, writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both, and write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1 + Details Name: us-gaap_ResearchAndDevelopmentExpenseExcludingAcquiredInProcessCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16:

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Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfIncomeAndComprehensiveIncomeAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 16 R5.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) - USD ($) Total Retained Earnings (Accumulated Deficit) Additional Paid-In Capital Accumulated other comprehensive loss Class A Common Stock Balance, shares at Jun. 30, 2023 Â Â Â Â 37,344,739 Balance, amount at Jun. 30, 2023 $ 35,952,525 $ (207,836,229) $ 242,808,771 $ 606,536 $ 373,447 Employee Stock Purchase Plan, shares Â Â Â Â 14,607 Employee Stock Purchase Plan, amount 19,719 0 19,573 0 $ 146 Exercise of Stock Options, RSUs & RSAs, net, shares Â Â Â Â 14,482 Exercise of Stock Options, RSUs & RSAs, net, amount 0 0 (145) 0 $ 145 Issuance of common stock for acquisition of Visimid, shares Â Â Â Â 81,610 Issuance of common stock for acquisition of Visimid, amount 150,000 0 149,184 0 $ 816 Stock-based compensation on stock options, RSUs & RSAs 240,075 0 240,075 0 0 Foreign currency translation adjustment (125,208) 0 0 (125,208) 0 Net loss (1,342,376) (1,342,376) 0 0 $ 0 Balance, shares at Sep. 30, 2023 Â Â Â Â 37,455,438 Balance, amount at Sep. 30, 2023 34,894,735 (209,178,605) 243,217,458 481,328 $ 374,554 Balance, shares at Jun. 30, 2024 Â Â Â Â 39,254,643 Balance, amount at Jun. 30, 2024 30,199,665 (215,843,575) 245,140,758 509,936 $ 392,546 Employee Stock Purchase Plan, shares Â Â Â Â 8,232 Employee Stock Purchase Plan, amount 10,372 0 10,290 0 $ 82 Exercise of Stock Options, RSUs & RSAs, net, shares Â Â Â Â 70,309 Exercise of Stock Options, RSUs & RSAs, net, amount 0 0 (703) 0 $ 703 Issuance of common stock for acquisition of Visimid, shares Â Â Â Â 279,553 Issuance of common stock for acquisition of Visimid, amount 321,358 0 318,562 0 $ 2,796 Stock-based compensation on stock options, RSUs & RSAs 264,475 0 264,475 0 0 Foreign currency translation adjustment 271,594 0 0 271,594 0 Net loss (1,622,745) (1,622,745) 0 0 $ 0 Balance, shares at Sep. 30, 2024 Â Â Â Â 39,612,737 Balance, amount at Sep. 30, 2024 $ 29,444,719 $ (217,466,320) $ 245,733,382 $ 781,530 $ 396,127 X - ReferencesNo definition available. + Details Name: lpth_EmployeeStockPurchasePlanAmount Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_EmployeeStockPurchasePlanShares Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ExerciseOfStockOptionsRsusRsasNetAmount Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ExerciseOfStockOptionsRsusRsasNetShares Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_IssuanceOfCommonStockForAcquisitionOfVisimidAmount Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_IssuanceOfCommonStockForAcquisitionOfVisimidShares Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNumber of shares of stock issued as of the balance sheet date, including shares that had been issued and were previously outstanding but which are now held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2 + Details Name: us-gaap_SharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-

gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAdjustments to temporary equity resulting from foreign currency translation adjustments. + ReferencesNo definition available. + Details Name: us-gaap_TemporaryEquityForeignCurrencyTranslationAdjustments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 17 R6.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Cash Flows (Unaudited) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Cash flows from operating activities: Â Â Net loss $ (1,622,745) $ (1,342,376) Depreciation and amortization 989,562 813,556 Interest from amortization of loan issuance costs 45,833 0 Loss on disposal of property and equipment 78,437 0 Stock-based compensation on stock options, RSUs & RSAs, net 264,475 240,075 Provision for credit losses 0 19 Change in operating lease assets and liabilities (25,779) 24,946 Inventory write-offs to allowance 21,770 0 Deferred taxes 5,558 2,979 Changes in operating assets and liabilities: Â Â Trade accounts receivable (267,909) 1,399,160 Other current assets 128,959 (27,083) Inventories (260,915) 144,978 Prepaid expenses and deposits (91,079) 13,335 Accounts payable and accrued liabilities (966,368) (129,600) Net cash (used in) provided by operating activities (1,700,201) 1,139,989 Cash flows from investing activities: Â Â Purchase of property and equipment (79,732) (955,002) Proceeds from sale of equipment 10,648 0 Proceeds from sale-leaseback of equipment 0 364,710 Acquisition of Visimid Technologies, net of cash acquired (125,000) (572,141) Net cash used in investing activities (194,084) (1,162,433) Cash flows from financing activities: Â Â Proceeds from sale of common stock from Employee Stock Purchase Plan 10,372 19,719 Loan issuance costs (300,000) 0 Borrowings on loans payable 3,000,000 0 Payments on loans payable (53,695) (206,518) Repayment of finance lease obligations (43,444) (27,062) Net cash provided by (used in) financing activities 2,613,233 (213,861) Effect of exchange rate on cash and cash equivalents 81,421 (48,227) Change in cash, cash equivalents and restricted cash 800,369 (284,532) Cash, cash equivalents and restricted cash, beginning of period 3,480,268 7,144,490 Cash, cash equivalents and restricted cash, end of period 4,280,637 6,859,958 Supplemental disclosure of cash flow information: Â Â Interest paid in cash 20,990 58,397 Income taxes paid 16,903 33,407 Supplemental disclosure of non-cash investing & financing activities: Â Â Purchase of equipment through finance lease arrangements $ 0 $ 46,688 X - ReferencesNo definition available. + Details Name: lpth_AcquisitionOfVisimidTechnologiesNetOfCashAcquired Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_IncreaseDecreaseInOperatingLeaseAssetsAndLiabilities Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ProceedsFromSaleOfEquipment Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_SupplementalDisclosureOfNoncashInvestingFinancingActivitiesNewAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCosts incurred related to air services provided by third-party transportation companies, including regional affiliates. + ReferencesNo definition available. + Details Name: us-gaap_AirlineCapacityPurchaseArrangements Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of noncash expense included in interest expense to amortize debt discount and premium associated with the related debt instruments. Excludes amortization of financing costs. Alternate captions include noncash interest expense. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-3 + Details Name: us-gaap_AmortizationOfDebtDiscountPremium Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of deferred income tax expense (benefit) and income tax credits. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_DeferredIncomeTaxesAndTaxCredits Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies. Excludes amounts for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 230 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) on disposal of other assets utilized in financial service operations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnDispositionOfOtherFinancialAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after refund, of cash paid to foreign, federal, state, and local jurisdictions as income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 23 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-23Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-22Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2 + Details Name: us-gaap_IncomeTaxesPaidNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the amounts payable to vendors for goods and services received and the amount of obligations and expenses incurred but not paid. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit sale of goods and services. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInInventories Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in current assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherCurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2 + Details Name: us-gaap_InterestPaidNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of loss from reductions in inventory due to subsequent measurement adjustments, including, but not limited to, physical deterioration, obsolescence, or changes in price levels. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483080/330-10-50-2 + Details Name: us-gaap_InventoryWriteDown Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe cash outflow paid to third parties in connection with debt origination, which will be amortized over the remaining maturity period of the associated long-term debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 15 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsOfDebtIssuanceCosts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details

Name: us-gaap_PaymentsToAcquirePropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow during the period from additional borrowings in aggregate debt. Includes proceeds from short-term and long-term debt. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from issuance of shares under share-based payment arrangement. Excludes option exercised. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Subparagraph (a) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2A + Details Name: us-gaap_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlans Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCash received from sales of long-lived depreciable flight assets, including owned aircraft or capital improvements. + ReferencesNo definition available. + Details Name: us-gaap_ProceedsFromSaleOfFlightEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI 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-Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name 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-Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 34: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_ProfitLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense related to credit loss from transactions other than loan and lease transactions. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_ProvisionForOtherCreditLosses Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow for short-term and long-term debt. Excludes payment of lease obligation. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_RepaymentsOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for short-term and long-term debt and lease obligation. + ReferencesNo definition available. + Details Name: us-gaap_RepaymentsOfDebtAndCapitalLeaseObligations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SupplementalCashFlowInformationAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 18 R7.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation 3 Months Ended Sep. 30, 2024 Basis of Presentation Â Basis Of Presentaion 1. Basis of PresentationÂ References in this document to â€œthe Company,â€ â€œLightPath,â€ â€œwe,â€ â€œus,â€ or â€œourâ€ are intended to mean LightPath Technologies, Inc., individually, or as the context requires, collectively with its subsidiaries on a consolidated basis.Â These unaudited Condensed Consolidated Financial Statements have been prepared in accordance with the requirements of Article 8 of Regulation S-X promulgated under the Exchange Act and, therefore, do not include all information and footnotes necessary for a fair presentation of financial position, results of operations, and cash flows in conformity with accounting principles generally accepted in the United States of America. These unaudited Condensed Consolidated Financial Statements should be read in conjunction with our Consolidated Financial Statements and related notes, included in our Annual Report on Form 10-K for the fiscal year ended June 30, 2024, filed with the SEC. Unless otherwise stated, references to particular years or quarters refer to our fiscal years ended June 30 and the associated quarters of those fiscal years.Â These Condensed Consolidated Financial Statements are unaudited, but include all adjustments, including normal recurring adjustments, which, in the opinion of management, are necessary to present fairly our financial position, results of operations and cash flows for the interim periods presented. The Consolidated Balance Sheet as of June 30, 2024 has been derived from the audited financial statements at that date but does not include all of the information and notes required by generally accepted accounting principles for complete financial statements. Results of operations for interim periods are not necessarily indicative of the results that may be expected for the year as a whole. The unaudited Condensed Consolidated Financial Statements include the accounts of the Company and its wholly-owned subsidiaries. All significant intercompany balances and transactions have been eliminated in consolidation. X - DefinitionThe entire disclosure for the business description and basis of presentation concepts. Business description describes the nature and type of organization including but not limited to organizational structure as may be applicable to holding companies, parent and subsidiary relationships, business divisions, business units, business segments, affiliates and information about significant ownership of the reporting entity. Basis of presentation describes the underlying basis used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 275 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/275/tableOfContentReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205/tableOfContent + Details Name: us-gaap_BusinessDescriptionAndBasisOfPresentationTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 19 R8.htm IDEA: XBRL DOCUMENT v3.24.3 Significant Accounting Policies 3 Months Ended Sep. 30, 2024 Significant Accounting Policies Â Significant Accounting Policies 2. Significant Accounting PoliciesÂ Our significant accounting policies are provided in Note 2, Summary of Significant Accounting Policies, in the Consolidated Financial Statements in our Annual Report on Form 10-K for the fiscal year ended June 30, 2024. There have been no material changes to our significant accounting policies during the three months ended September 30, 2024, from those disclosed in our Annual Report on Form 10-K for the fiscal year ended June 30, 2024.Â Use of EstimatesÂ Management makes estimates and assumptions during the preparation of our unaudited Condensed Consolidated Financial Statements that affect amounts reported in the unaudited Condensed Consolidated Financial Statements and accompanying notes. Such estimates and assumptions could change in the future as more information becomes available, which, in turn, could impact the amounts reported and disclosed herein. X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for all significant accounting policies of the reporting entity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContent + Details Name: us-gaap_SignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 20 R9.htm IDEA: XBRL DOCUMENT v3.24.3 Acquisition of Visimid Technologies 3 Months Ended Sep. 30, 2024 Acquisition of Visimid Technologies Â Acquisition of Visimid Technologies 3. Acquisition of Visimid TechnologiesÂ In July 2023, the Company acquired Liebert Consulting LLC, dba Visimid Technologies (â€œVisimidâ€), pursuant to a Membership Interest Purchase Agreement dated as of July 25, 2023 (the â€œAcquisition Dateâ€).Â Part of the Companyâ€™s growth strategy is to identify appropriate opportunities that would enhance our profitable growth through acquisition. Visimid is an engineering and design firm specializing in thermal imaging, night vision and internet of things (â€œIOTâ€) applications. Visimid provides design and consulting services for Department of Defense (â€œDoDâ€) contractors, commercial and industrial customers, and original equipment manufacturers (â€œOEMsâ€) for original new products. Visimidâ€™s core competency is developing and producing custom thermal and night vision cores. We believe that Visimidâ€™s capabilities are aligned with our strategy to focus on engineered solutions.Â The Companyâ€™s unaudited condensed consolidated financial statements reflect the financial results of Visimid beginning on the Acquisition Date. The purchase price included $1 million in cash, $1,550,000 of restricted stock, $150,000 of assumed bank debt, and an earnout which is contingent upon the award and completion of a specific customer contract. Of the restricted stock payable as part of the purchase price, $150,000 (81,610 shares) was issued at closing, with the balance to be issued in four equal installments of $350,000 each, on January 1, 2024, July 1, 2024, January 1, 2025 and July 1, 2025. The number of shares is based on the average closing price of the Companyâ€™s Class A common stock, as reported by Bloomberg, for the five trading days prior to each stock issuance. For the January 1, 2024 installment, 267,176 shares were issued, and for the July 1, 2024 installment, 279,553 shares were issued.The total purchase price, net of cash acquired and including the estimated potential earnout, is approximately $2.7 million, based on present values as of the Acquisition Date. Of this amount, $600,000 was paid at closing, cash installments of $150,000, $125,000 and $125,000 were paid in October 2023, January 2024 and September 2024, respectively, per the terms of the

purchase agreement, and the remaining cash and stock payments, including the estimated potential earnout, have been accrued and are included in Accrued liabilities and Accrued liabilities, noncurrent in the unaudited Condensed Consolidated Balance Sheet as of September 30, 2024.Â The estimated fair values of the assets acquired and liabilities assumed were recorded as of the Acquisition Date. As part of the valuation analysis, the Company identified intangible assets, including customer relationships, customer backlog, trade secrets and trademarks. The customer backlog, customer relationships, trade secrets and trademarks were determined to have estimated values of approximately $464,000, $122,000, $925,000 and $442,000, respectively, and estimated useful lives of 1 year for customer backlog, and 10 years for customer relationships, trade secrets and trademarks. The estimated fair value of identifiable intangible assets is determined primarily using the â€œincome approach,â€ which requires a forecast of all future cash flows. The goodwill recognized is attributable primarily to expected synergies and the assembled workforce of Visimid. The goodwill is expected to be deductible for income tax purposes.Â The Company incurred a total of approximately $238,000, in acquisition costs, of which $83,000 was incurred during the three months ended September 30, 2023. These costs are included in the unaudited Condensed Consolidated Statements of Comprehensive Income (Loss) in the line item entitled â€œSelling, general and administrative.â€ No further acquisition costs were incurred during the three months ended September 30, 2024.Â Prior to the Acquisition, the Company had a preexisting relationship with Visimid. The Company contracted Visimid for engineering services and purchased infrared camera cores from Visimid on an armsâ€™ length basis. The Company had also partnered with Visimid for the development of the Mantis camera. X - ReferencesNo definition available. + Details Name: lpth_AcquisitionOfVisimidTechnologiesDisclosureTextBlock Namespace Prefix: lpth_ Data Type: nonnum:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_AcquisitionOfVisimidTechnologiesabstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 21 R10.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue 3 Months Ended Sep. 30, 2024 Revenue Â Revenue 4. RevenueÂ Product RevenueÂ We are a manufacturer of optical components and higher-level assemblies, including precision molded glass aspheric optics, molded and diamond-turned infrared optical components, and other optical materials used to produce products that manipulate light. We design, develop, manufacture, and distribute optical components and assemblies utilizing advanced optical manufacturing processes. We also provide engineering services and perform research and development for optical solutions for a wide range of optics markets. Revenue is derived primarily from the sale of optical components and assemblies.Â Revenue RecognitionÂ Revenue is generally recognized upon transfer of control, including the risks and rewards of ownership, of products or services to customers in an amount that reflects the consideration we expect to receive in exchange for those products or services. We generally bear all costs, risk of loss, or damage and retain title to the goods up to the point of transfer of control of products to customers. Shipping and handling costs are included in the cost of goods sold. We present revenue net of sales taxes and any similar assessments.Â Customary payment terms are granted to customers, based on credit evaluations. We currently do not have any contracts where revenue is recognized, but the customer payment is contingent on a future event. We record deferred revenue when cash payments are received or due in advance of revenue recognition. Deferred revenue was $317,000 and $725,000 as of September 30, 2024 and June 30, 2024, respectively, and is included in accrued liabilities in the condensed consolidated balance sheets.Â Nature of ProductsÂ Revenue from the sale of optical components and assemblies is recognized upon transfer of control, including the risks and rewards of ownership, to the customer. The performance obligations for the sale of optical components and assemblies are satisfied at a point in time. Product development agreements for engineering services are generally short-term in nature, with revenue recognized upon satisfaction of the performance obligation, and transfer of control of the agreed-upon deliverable. Visimid has one longer-term order with a defense customer which includes both product development and hardware deliverables where similar revenue recognition criteria will be applied.We categorize our products into four product groups: infrared components, visible components, assemblies and modules, and engineering services.Â Revenue by product group for the three months ended September 30, 2024 and 2023 was as follows:Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Infrared componentsÂ $2,610,884Â Â $3,834,602Â Visible componentsÂ Â 3,299,878Â Â Â 2,688,335Â Assemblies and modulesÂ Â 1,093,668Â Â Â 1,262,039Â Engineering servicesÂ Â 1,395,951Â Â Â 292,272Â Total revenueÂ $8,400,381Â Â $8,077,248Â X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-15Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 606 -Publisher FASB -URI https://asc.fasb.org/606/tableOfContent + Details Name: us-gaap_RevenueFromContractWithCustomerTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 22 R11.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories 3 Months Ended Sep. 30, 2024 Inventories Â Inventories 5. InventoriesÂ The components of inventories include the following:Â Â Â September 30, 2024Â Â June 30, 2024Â Raw materialsÂ $2,937,970Â Â $3,112,428Â Work in processÂ Â 2,630,688Â Â Â 2,333,240Â Finished goodsÂ Â 2,588,168Â Â Â 2,330,287Â Allowance for obsolescenceÂ Â (1,366,622)Â Â (1,224,896)Â Â $6,790,204Â Â $6,551,059Â Â Â The value of tooling in raw materials, net of the related allowance for obsolescence, was approximately $1.4 million as of both September 30, 2024 and June 30, 2024. X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/330/tableOfContent + Details Name: us-gaap_InventoryDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R12.htm IDEA: XBRL DOCUMENT v3.24.3 Property and Equipment 3 Months Ended Sep. 30, 2024 Property and Equipment Â Property And Equipment 6. Property and EquipmentÂ Property and equipment are summarized as follows:Â Â Â Estimated Lives (Years)Â Â September 30, 2024Â Â June 30, 2024Â Manufacturing equipmentÂ 5 - 10Â Â $22,912,199Â Â $22,582,429Â Computer equipment and softwareÂ 3 - 5Â Â Â 974,713Â Â Â 970,494Â Furniture and fixturesÂ 5Â Â Â 356,701Â Â Â 349,932Â Leasehold improvementsÂ 5 - 10Â Â Â 9,039,219Â Â Â 8,964,714Â Construction in progressÂ Â Â Â Â Â 692,055Â Â Â 646,217Â Total property and equipmentÂ Â Â Â Â Â 33,974,887Â Â Â 33,513,786Â Less accumulated depreciation and amortizationÂ Â Â Â Â Â (19,053,388)Â Â (18,303,174)Total property and equipment, netÂ Â Â Â Â $14,921,499Â Â $15,210,612Â X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/360/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 6 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 7 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-7 + Details Name: us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R13.htm IDEA: XBRL DOCUMENT v3.24.3 Goodwill and Intangible Assets 3 Months Ended Sep. 30, 2024 Goodwill and Intangible Assets Â Goodwill And Intangible Assets 7. Goodwill and Intangible AssetsÂ There were no changes in the net carrying value of goodwill during the three months ended September 30, 2024.Â Amortizable intangible assets were comprised of:Â Â Â Useful Lives (Years) Â Â September 30, 2024 Â Â June 30, 2024 Â Customer relationshipsÂ 10 - 15Â Â $3,712,300Â Â $3,712,300Â Trade secretsÂ 8 - 10Â Â Â 4,197,304Â Â Â 4,197,304Â TrademarksÂ 8 - 10Â Â Â Â 4,256,418Â Â Â Â 4,256,418Â BacklogÂ 1Â Â Â Â 463,525Â Â Â 463,525Â Total intangible assetsÂ Â Â Â Â Â 12,629,547Â Â Â 12,629,547Â Less accumulated amortizationÂ Â Â Â Â (9,374,584)Â Â (8,978,808)Total intangible assets, netÂ Â Â Â $3,254,963Â Â $3,650,739Â Â Â Future amortization of intangibles is as follows:Â Fiscal year ending:Â Â Â June 30, 2025 (nine months remaining)Â $488,878Â June 30, 2026Â Â 388,336Â June 30, 2027Â Â 388,336Â June 30, 2028Â Â 388,336Â June 30, 2029Â Â 388,336Â After June 30, 2029Â Â 1,212,741Â Â Â $3,254,963Â X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for goodwill and intangible assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/350-30/tableOfContentReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/350-20/tableOfContent + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R14.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes 3 Months Ended Sep. 30, 2024 Income Taxes Â Income Taxes 8. Income TaxesÂ A summary of our total income tax expense and effective income tax rate for the three months ended September 30, 2024 and 2023 is as follows:Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Loss before income taxesÂ $(1,607,109)Â $(1,302,830)Income tax provisionÂ $15,636Â Â $39,546Â Effective income tax rateÂ Â -1%Â Â -3%Â Â The difference between our effective tax rates in the periods presented above and the federal statutory rate is due to the mix of taxable income and losses generated in our various tax jurisdictions, which include the United States (the â€œU.S.â€), the Peopleâ€™s Republic of China, and the Republic of Latvia. Effective February 28, 2023, the legal entities of LightPath Optical Instrumentation (Shanghai) Co., Ltd. (â€œLPOIâ€) and LightPath Optical Instrumentation (Zhenjiang) Co., Ltd. (â€œLPOIZâ€) were merged, with LPOIZ as the surviving company and the operations of the two companies were merged. For the three months ended September 30, 2024 and 2023, income tax expense was primarily related to income taxes from our operations in China, including accruals for withholding taxes on intercompany dividends declared by LPOIZ, and paid or payable to LightPath, its parent company, as well as withholding taxes on payments from LPOIZ to LightPath for administrative services rendered.Â We record net deferred tax assets to the extent we believe it is more likely than not that some portion or all of these assets will be realized. The ultimate realization of deferred tax assets is dependent upon the generation of future taxable income. We consider the scheduled reversal of deferred tax liabilities, projected future taxable income, and tax planning strategies in making this assessment. As of September 30, 2024 and June 30, 2024, our net deferred tax assets are related to the U.S. jurisdiction and we have provided a valuation allowance to reduce the deferred tax assets to the net amount we estimate is more-likely-than-not to be realized. Our net deferred tax assets as of September 30, 2024 and June 30, 2024 consist primarily of federal and state tax credits with indefinite carryover periods.U.S. Federal and State Income TaxesÂ Our U.S. federal and state statutory income tax rate is estimated to be 25.5%. Based on our current assessment of the valuation allowance position on our net deferred tax assets, no additional tax expense or benefit is expected to be recorded on pre-tax income or losses generated in the U.S.Â Income Tax Law of the Peopleâ€™s Republic of ChinaÂ Our Chinese subsidiary, LPOIZ, is governed by the Income Tax Law of the Peopleâ€™s Republic of China. As of September 30, 2024, LPOIZ was subject to a statutory income tax rate of 15%. The net deferred tax liabilities included in these unaudited Condensed Consolidated Balance Sheets as of September 30, 2024 and June 30, 2024 are related to LPOIZ, and primarily consist of timing differences related to depreciation.Â The Company routinely declares intercompany dividends to remit a portion of the earnings of its foreign subsidiaries to the U.S. parent company. The Company also intends to reinvest a portion of the earnings generated by its foreign subsidiaries. The Company accrues withholding taxes on the portion of LPOIZâ€™s earnings that it intends to repatriate. Accrued and unpaid withholding taxes were approximately $32,000 as of both September 30, 2024 and June 30, 2024. Other than these withholding taxes, these intercompany dividends have no impact on the unaudited condensed consolidated financial statements.Â Law of Corporate Income Tax of LatviaÂ Our Latvian subsidiary, ISP Optics Latvia, SIA (â€œISP Latviaâ€), is governed by the Law of Corporate Income Tax of Latvia. Effective January 1, 2018, the Republic of Latvia enacted tax reform with the following key provisions: (i) corporations are no longer subject to income tax, but are instead subject to a distribution tax on distributed profits (or deemed distributions, as defined) and (ii) the rate of tax was changed to 20%; however, distribution amounts are first divided by 0.8 to arrive at the profit before tax amount, resulting in an effective tax rate of 25%. As a transitional measure, distributions of earnings prior to January 1, 2018 are not subject to tax if declared prior to December 31, 2019. ISP Latvia has declared an intercompany dividend to be paid to ISP Optics Corporation (â€œISPâ€), its U.S. parent company, for the full amount of earnings accumulated prior to January 1, 2018. Distributions of this dividend have been fully settled and we currently do not intend to distribute any earnings generated after January 1, 2018. If, in the future, we change such intention, we will accrue distribution taxes, if any, as profits are generated. X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12CReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12BReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477891/740-270-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.5.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/740/tableOfContentReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-14Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-21Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name

Accounting Standards Codification -Section 50 -Paragraph 17 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-17Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 11.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482603/740-30-50-2 + Details Name: us-gaap_IncomeTaxDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R15.htm IDEA: XBRL DOCUMENT v3.24.3 StockBased Compensation 3 Months Ended Sep. 30, 2024 StockBased Compensation Â Stock-based Compensation 9. Stock-Based CompensationÂ Our directors, officers, and key employees are granted stock-based compensation through our Amended and Restated Omnibus Incentive Plan, as amended (the â€œOmnibus Planâ€), through October 2018 and after that date, through our 2018 Stock and Incentive Compensation Plan (the â€œSICPâ€). Such stock-based compensation may include, among other things, incentive stock options, non-qualified stock options, restricted stock awards (â€œRSAsâ€) and restricted stock units (â€œRSUsâ€). The SICP is administered by the Compensation Committee of the Board of Directors. At our 2018 Annual Stockholders Meeting, our stockholders approved the SICP under which an aggregate of 1,650,870 shares of our Class A common stock were authorized for issuance pursuant to awards granted thereunder. At our 2022 Annual Stockholders Meeting, our stockholders authorized an additional 2,100,000 shares of our Class A common stock for issuance pursuant to awards granted thereunder. As of September 30, 2024, 832,099 shares of Class A common stock were authorized and available for issuance pursuant to awards granted under the SICP. The Companyâ€™s executive officers are eligible to earn incentive compensation consisting of equity-based awards, as well as cash bonuses, based on the achievement of certain individual and/or Company performance goals set by the Compensation Committee.Â Stock-based compensation expense is based primarily on the fair value of the award as of the grant date, and is recognized as an expense over the requisite service period.The following table shows total stock-based compensation expense for the three months ended September 30, 2024 and 2023, the majority of which is included in selling, general and administrative (â€œSG&Aâ€) expenses in these unaudited Condensed Consolidated Statements of Comprehensive Income (Loss):Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Stock optionsÂ $146,979Â Â $31,478Â RSAsÂ 10,809Â Â Â 22,387Â RSUsÂ 106,687Â Â Â 186,210Â TotalÂ $264,475Â Â $240,075Â Â Â We also adopted the LightPath Technologies, Inc. Employee Stock Purchase Plan (the â€œ2014 ESPPâ€). The 2014 ESPP permits employees to purchase Class A common stock through payroll deductions, subject to certain limitations. A discount of approximately $1,100 and $2,000 for the three months ended September 30, 2024 and 2023, respectively, is included in SG&A expenses in these unaudited Condensed Consolidated Statements of Comprehensive Income (Loss), which represents the value of the 10% discount given to the employees purchasing stock under the 2014 ESPP.Â Grant Date Fair Values and Underlying Assumptions; Contractual TermsÂ We estimate the fair value of each stock option as of the date of grant, using the Black-Scholes-Merton pricing model. The fair value of 2014 ESPP shares is the amount of the discount the employee obtains at the date of the purchase transaction.Â Most stock options granted vest ratably over two to four years and are generally exercisable for ten years. The assumed forfeiture rates used in calculating the fair value of RSA and RSU grants was 0%, and the assumed forfeiture rates used in calculating the fair value of options for performance and service conditions were 20% for each of the three months ended September 30, 2024 and 2023. The volatility rate and expected term are based on seven-year historical trends in Class A common stock closing prices and actual forfeitures. The interest rate used is the U.S. Treasury interest rate for constant maturities.Â No stock options were granted during the three months ended September 30, 2024 or 2023.Â Restricted Stock AwardsÂ RSAs are granted primarily to our executive officers, employees and consultants, and typically vest over a one to three year period from the date of grant, although some may vest immediately upon grant. The stock underlying RSAs is issued upon vesting.Â Restricted Stock UnitsÂ RSUs are granted primarily to our directors, although RSU awards may also be made to executive officers, employees and consultants. RSUs typically vest over a one to four year period from the date of grant, although some may vest immediately upon grant.Information Regarding Current Share-Based Compensation AwardsÂ A summary of the activity for share-based compensation awards in the three months ended September 30, 2024 is presented below:Â Â Â Stock Options Â Â Restricted Stock Units (RSUs) Â Â Restricted Stock Awards (RSAs) Â Â Â Â Â Â Weighted-Â Â Â Â Weighted-Â Â Â Â Â Â Weighted-Â Â Â Â Â Â Weighted-Â Â

annum and the Bridge Note holder may, at its option, accelerate the Bridge Note whereupon the entire principal amount thereof and all accrued but unpaid interest shall be due and payable in full.Â Equipment LoansÂ In December 2020, ISP Latvia entered into an equipment loan with a third party (the â€œ2020 Equipment Loanâ€), which party is also a significant customer, and which the 2020 Equipment Loan was subordinate to the BankUnited Loans (as defined below), and collateralized by certain equipment. The initial advance under the 2020 Equipment Loan was 225,000 EUR (or USD $275,000), payable in equal installments over 60 months, the proceeds of which were used to make a prepayment to a vendor for equipment to be delivered at a future date. An additional 225,000 EUR (or USD $267,000) was drawn in September 2021, which proceeds were paid to the vendor for the equipment, payable in equal installments over 52 months. The 2020 Equipment Loan bears interest at a fixed rate of 3.3%.Â In May 2023, ISP Latvia entered into an equipment loan with a third party financial institution (the â€œ2023 Equipment Loanâ€). The 2023 Equipment Loan is collateralized by certain equipment. The initial advance under the 2023 Equipment Loan was 128,815 EUR (or USD $141,245), the proceeds of which were used to make a prepayment to a vendor for equipment to be delivered at a future date. The final advance for the final payment to the equipment vendor was 132,674 EUR (or USD $141,815). The 2023 Equipment Loan is payable over 48 months, with monthly installments that began on January 1, 2024. The 2023 Equipment Loan bears interest at the six-month EURIBOR rate, plus 2.84% (5.94% as of September 30, 2024).Â Future maturities of loans payable are as follows:Â Â Â Promissory NoteÂ Â Unamortized Loan Issuance CostsÂ Â Equipment LoansÂ Â TotalÂ Fiscal year ending:Â Â Â Â Â Â Â Â Â Â Â Â Â June 30, 2025 (remaining nine months)Â $-Â Â $(225,000)Â $164,368Â Â $(60,632)June 30, 2026Â Â 3,000,000Â Â Â (29,167)Â Â 155,410Â Â Â Â 3,126,243Â June 30, 2027Â Â -Â Â Â -Â Â Â 109,875Â Â Â 109,875Â June 30, 2028Â Â -Â Â Â -Â Â Â 73,250Â Â Â Â 73,250Â Total paymentsÂ $3,000,000Â Â $(254,167)Â $502,903Â Â $3,248,736Â Less current portionÂ Â Â Â Â Â Â Â Â Â Â Â Â Â (2,963,855)Non-current portionÂ Â Â Â Â Â Â Â Â Â Â Â Â Â $284,881Â X - DefinitionThe entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1I + Details Name: us-gaap_DebtDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LoansPayableAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 30 R19.htm IDEA: XBRL DOCUMENT v3.24.3 Foreign Operations 3 Months Ended Sep. 30, 2024 Foreign Operations Â Foreign Operations 13. Foreign OperationsÂ Assets and liabilities denominated in non-U.S. currencies are translated at rates of exchange prevailing on the balance sheet date, and revenues and expenses are translated at average rates of exchange for the period. Gains or losses on the translation of the financial statements of a non-U.S. operation, where the functional currency is other than the U.S. dollar, are reflected as a separate component of equity, which was a cumulative gain of approximately $782,000 and $510,000 as of September 30, 2024 and June 30, 2024, respectively. We also recognized net foreign currency transaction losses of $36,000 and gains of $25,000 during the three months ended September 30, 2024 and 2023, respectively, included in the unaudited Condensed Consolidated Statements of Comprehensive Income (Loss) in the line item entitled â€œOther income (expense), net.â€Â Our cash, cash equivalents and restricted cash totaled approximately $4.3 million at September 30, 2024. Of this amount, less than 50% was held by our foreign subsidiaries in China and Latvia. These foreign funds were generated in China and Latvia as a result of foreign earnings. With respect to the funds generated by our foreign subsidiaries in China, the retained earnings of the respective subsidiary must equal at least 50% of its registered capital before any funds can be repatriated through dividends. As of September 30, 2024, LPOIZ had approximately $1.6 million in retained earnings available for repatriation, based on earnings accumulated through December 31, 2023, the end of the most recent statutory tax year, that remained undistributed as of September 30, 2024.Revenues from foreign countries for the three months ended September 30, 2024 and 2023 are as follows:Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Revenues:Â Â Â Â Â Â United StatesÂ $5,865,639Â Â $4,293,394Â EuropeÂ Â 1,281,260Â Â Â 2,523,545Â ChinaÂ Â 629,417Â Â Â 500,138Â Other Asian countriesÂ Â 210,231Â Â Â 562,399Â Rest of worldÂ Â 413,834Â Â Â 197,772Â Â Â $8,400,381Â Â $8,077,248Â Â Â Long-lived assets located in foreign countries as of September 30, 2024 and June 30, 2024 are as follows:Â Â Â September 30, 2024Â Â June 30, 2024Â Long-lived assets:Â Â Â Â Â Â United StatesÂ $24,163,400Â Â $24,989,477Â LatviaÂ Â 5,013,709Â Â Â 4,961,741Â ChinaÂ Â 2,458,802Â Â Â 2,615,410Â Â Â $31,635,911Â Â $32,566,628Â X - ReferencesNo definition available. + Details Name: us-gaap_ForeignCurrencyAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for foreign currency transactions and translation. This may include description of foreign currency transactions, foreign currency gains and losses, explanation of change in cumulative translation adjustment, description of effect of subsequent foreign currency exchange rate change, cumulative translation adjustment movement, foreign currency translation adjustment by component movement, translation adjustment for net investment hedge movement, adjustment for long-term intercompany transactions, schedule of long-term intercompany balances and any other foreign currency transactions and translation related items. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-14Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-15Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-13Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-16Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479424/830-30-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/830/tableOfContentReference 7: http://www.xbrl.org/2003/role/recommendedDisclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481926/830-20-50-3 + Details Name: us-gaap_ForeignCurrencyDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 31 R20.htm IDEA: XBRL DOCUMENT v3.24.3 Contingencies 3 Months Ended Sep. 30, 2024 Commitments and Contingencies Â Contingencies 14. ContingenciesÂ LegalÂ The Company, from time to time, is involved in various legal actions arising in the normal course of business. Management, after reviewing with legal counsel all of these actions and proceedings, believes that the aggregate losses, if any, will not have a material adverse effect on the Companyâ€™s financial position or results of operations.Â In April 2021, we terminated several employees of our China subsidiaries, LPOIZ and LPOI, including the General Manager, the Sales Manager, and the Engineering Manager, after determining that they had engaged in malfeasance and conduct adverse to our interests, including efforts to misappropriate certain of our proprietary technology, diverting sales to entities owned or controlled by these former employees and other suspected acts of fraud, theft and embezzlement. In connection with such terminations, our China subsidiaries have engaged in certain legal proceedings with the terminated employees. We incurred various expenses associated with the investigation into these matters prior and subsequent to the termination of the employees and the associated legal proceedings. In December 2023, we recovered approximately $190,000 in funds that had been recovered by the Chinese authorities. We expect to incur minimal additional legal fees and consulting expenses in future periods as we have exhausted nearly all of our legal options and remedies.Â Potential Impact of Economic Conditions in ChinaÂ Due to our operations in China, our business, results of operations, financial condition and prospects may be influenced to a significant degree by economic, political, legal and social conditions in China. Chinaâ€™s economy differs from the economies of other countries in many respects, including with respect to the level of development, growth rate, amount of government involvement, control of foreign exchange and allocation of resources. While Chinaâ€™s economy has experienced significant growth over the past several decades, its growth rate has declined in recent years and may continue to decline. Deteriorating economic conditions in China generally have led to lower demand for our products in China and thus lower revenues and net income for our subsidiaries in China and the Company overall. A continuation of Chinaâ€™s current economic conditions or a further slowdown in the economic growth, an economic downturn, a recession, or other adverse economic conditions in China is likely to have a material adverse effect on our business and results of operations in future quarters.Impact of Recent WarsÂ In February 2022, Russian military forces invaded Ukraine. This war has led to sanctions on Russia, which have had some impacts, though temporary, on our supply chain of raw materials. Separately, Israel declared war on Hamas in October 2023. Initially, this resulted in a temporary increase in our sales, as Israel worked to replace electro-optical systems that in some cases use our materials. However, it is possible that this war will also have a negative impact on our business at some point as a result of the economic impact in Israel. In addition to the significant defense related market in Israel, we also serve many commercial related applications and work with commercial companies in Israel, and the business of those customers may be negatively impacted by the war over time. Given the dynamic nature of this situation, we cannot reasonably estimate the impact of either the Russian-Ukraine conflict or the Israel-Hamas war on our financial condition, results of operations or cash flows into the foreseeable future. X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for commitments and contingencies. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 405 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/405-30/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/450/tableOfContentReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 440 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478522/954-440-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 440 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/440/tableOfContent + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 32 R21.htm IDEA: XBRL DOCUMENT v3.24.3 Liquidity 3 Months Ended Sep. 30, 2024 Liquidity Â Liquidity 15. LiquidityÂ We generally rely on cash from operations and equity and debt offerings, to the extent available, to satisfy our liquidity needs and to maintain our ability to repay our debt.Â On February 16, 2022, we filed a shelf registration statement to facilitate the issuance of our Class A common stock, warrants exercisable for shares of our Class A common stock, and/or units up to an aggregate offering price of $75.8 million from time to time. In connection with the filing of the shelf registration statement, we also included a prospectus supplement relating to an at-the-market equity program under which we may issue and sell shares of our Class A common stock up to an aggregate offering price of $25.2 million from time to time, decreasing the aggregate offering price available under the shelf registration statement to $50.6 million. The shelf registration statement was declared effective by the SEC on March 1, 2022. As of June 30, 2024, we issued 585,483 shares of our Class A common stock pursuant to the at-the-market equity program.Â On January 12, 2023, the Company entered into a securities purchase agreement (â€œPurchase Agreementâ€), pursuant to which the Company agreed to issue and sell in a public offering under the shelf registration statement an aggregate of 9,090,910 shares of the Companyâ€™s Class A common stock, par value $0.01 per share for a purchase price of $1.10 per share and filed a prospectus supplement with the SEC related thereto. The sale of shares pursuant to the Purchase Agreement closed on January 17, 2023, and resulted in net proceeds of approximately $9.2 million after payment of placement agent fees, and certain other costs and expenses of the offering.Â There are a number of factors that could result in the need to raise additional funds, including a decline in revenue or a lack of anticipated sales growth, increased material costs, increased labor costs, planned production efficiency improvements not being realized, increases in property, casualty, benefit and liability insurance premiums, and increases in other costs. In addition, we may identify opportunities for acquisitions and other strategic transactions to expand and further enhance our business that may require that we raise additional capital should we elect to pursue any of such transactions. X - ReferencesNo definition available. + Details Name: lpth_LiquidityAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_LiquidityDisclosureTextBlock Namespace Prefix: lpth_ Data Type: nonnum:textBlockItemType Balance Type: na Period Type: duration XML 33 R22.htm IDEA: XBRL DOCUMENT v3.24.3

Significant Accounting Policies (Policies) 3 Months Ended Sep. 30, 2024 Significant Accounting Policies Â Use Of Estimates Management makes estimates and assumptions during the preparation of our unaudited Condensed Consolidated Financial Statements that affect amounts reported in the unaudited Condensed Consolidated Financial Statements and accompanying notes. Such estimates and assumptions could change in the future as more information becomes available, which, in turn, could impact the amounts reported and disclosed herein. X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-9Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 11 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 12 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-12Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-8 + Details Name: us-gaap_UseOfEstimates Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R23.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue (Tables) 3 Months Ended Sep. 30, 2024 Revenue Â Schedule of revenue by product Â Â Three Months Ended September 30,Â Â Â Â 2024Â Â 2023Â Infrared componentsÂ $2,610,884Â Â $3,834,602Â Visible componentsÂ Â 3,299,878Â Â Â 2,688,335Â Assemblies and modulesÂ Â 1,093,668Â Â Â 1,262,039Â Engineering servicesÂ Â 1,395,951Â Â Â 292,272Â Total revenueÂ $8,400,381Â Â $8,077,248Â X - ReferencesNo definition available. + Details Name: lpth_ScheduleOfRevenueByProductTableTextBlock Namespace Prefix: lpth_ Data Type: nonnum:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 35 R24.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories (Tables) 3 Months Ended Sep. 30, 2024 Inventories Â Schedule of Inventories Â Â September 30, 2024Â Â June 30, 2024Â Raw materialsÂ $2,937,970Â Â $3,112,428Â Work in processÂ Â 2,630,688Â Â Â 2,333,240Â Finished goodsÂ Â 2,588,168Â Â Â 2,330,287Â Allowance for obsolescenceÂ Â (1,366,622)Â Â (1,224,896)Â Â $6,790,204Â Â $6,551,059Â X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 210 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap_ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 36 R25.htm IDEA: XBRL DOCUMENT v3.24.3 Property and Equipment (Tables) 3 Months Ended Sep. 30, 2024 Property and Equipment Â Schedule Of Property And Equipment Â Â Estimated Lives (Years)Â Â September 30, 2024Â Â June 30, 2024Â Manufacturing equipmentÂ 5 - 10Â Â $22,912,199Â Â $22,582,429Â Computer equipment and softwareÂ 3 - 5Â Â Â 974,713Â Â Â 970,494Â Furniture and fixturesÂ 5Â Â Â 356,701Â Â Â 349,932Â Leasehold improvementsÂ 5 - 10Â Â Â 9,039,219Â Â Â 8,964,714Â Construction in progressÂ Â Â Â Â Â 692,055Â Â Â 646,217Â Total property and equipmentÂ Â Â Â Â Â 33,974,887Â Â Â 33,513,786Â Less accumulated depreciation and amortizationÂ Â Â Â Â Â (19,053,388)Â Â (18,303,174)Total property and equipment, netÂ Â Â Â Â $14,921,499Â Â $15,210,612Â X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of public utility physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation expense and method used, including composite depreciation, and accumulated depreciation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 980 -SubTopic 20 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481834/980-20-45-1 + Details Name: us-gaap_ScheduleOfPublicUtilityPropertyPlantAndEquipmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 37 R26.htm IDEA: XBRL DOCUMENT v3.24.3 Goodwill and Intangible Assets (Tables) 3 Months Ended Sep. 30, 2024 Goodwill and Intangible Assets Â Schedule of Identified Intangible Assets Â Â Useful Lives (Years) Â Â September 30, 2024 Â Â June 30, 2024 Â Customer relationshipsÂ 10 - 15Â Â $3,712,300Â Â $3,712,300Â Trade secretsÂ 8 - 10Â Â Â 4,197,304Â Â Â 4,197,304Â TrademarksÂ 8 - 10Â Â Â 4,256,418Â Â Â 4,256,418Â BacklogÂ 1Â Â Â 463,525Â Â Â 463,525Â Total intangible assetsÂ Â Â Â Â 12,629,547Â Â Â 12,629,547Â Less accumulated amortizationÂ Â Â Â Â (9,374,584)Â Â (8,978,808)Total intangible assets, netÂ Â Â Â $3,254,963Â Â $3,650,739Â Schedule Of Intangible Assets Future Amortization Fiscal year ending:Â Â Â June 30, 2025 (nine months remaining)Â $488,878Â June 30, 2026Â Â 388,336Â June 30, 2027Â Â 388,336Â June 30, 2028Â Â 388,336Â June 30, 2029Â Â 388,336Â After June 30, 2029Â Â 1,212,741Â Â Â $3,254,963Â X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2 + Details Name: us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the amount of amortization expense expected to be recorded in succeeding fiscal years for finite-lived intangible assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2 + Details Name: us-gaap_ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 38 R27.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes (Tables) 3 Months Ended Sep. 30, 2024 Income Taxes Â Schedule of Income Tax Expense And Effective Income Tax Rate Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Loss before income taxesÂ $(1,607,109)Â $(1,302,830)Income tax provisionÂ $15,636Â Â $39,546Â Effective income tax rateÂ Â -1%Â Â -3% X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning-of-the-year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-9 + Details Name: us-gaap_ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 39 R28.htm IDEA: XBRL DOCUMENT v3.24.3 Stock Based Compensation (Tables) 3 Months Ended Sep. 30, 2024 StockBased Compensation Â Schedule Of Stock-based Compensation Expense Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Â Â Â Â Â Â Stock optionsÂ $146,979Â Â $31,478Â RSAsÂ 10,809Â Â 22,387Â RSUsÂ 106,687Â Â 186,210Â TotalÂ $264,475Â Â $240,075Â Summary Of Activity Of Share Based Compensation Awards Â Â Stock Options Â Â Restricted Stock Units (RSUs) Â Â Restricted Stock Awards (RSAs) Â Â Â Â Â Weighted-Â Â Weighted-Â Â Â Â Weighted-Â Â Â Â Weighted-Â Â Â Â Â AverageÂ Â AverageÂ Â Â Â AverageÂ Â Â Â AverageÂ Â Â Â Â ExerciseÂ Â RemainingÂ Â Â Â RemainingÂ Â Â Â RemainingÂ Â Â Â Shares Â Â Price Â Â Contract Â Â Shares Â Â Contract Â Â Shares Â Â Contract Â June 30, 2024Â Â 553,689Â Â $2.02Â Â Â 5.4Â Â Â 1,250,132Â Â Â 0.8Â Â Â 161,540Â Â Â 1.5Â GrantedÂ Â â€”Â Â Â â€”Â Â Â Â Â Â â€”Â Â Â 30, 2024Â Â 524,895Â Â $1.97Â Â Â 5.1Â Â Â 1,250,132Â Â Â 0.6Â Â Â 146,887Â Â Â 1.3Â Awards exercisable/Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â

leasesÂ Operating lease liabilities, less current portionÂ Â 7,836,512Â Â Â 8,058,502Â Finance leasesÂ Finance lease liabilities, less current portionÂ Â 491,106Â Â Â 528,753Â Total lease liabilitiesÂ Â Â $9,540,255Â Â $9,824,401Â Schedule of Lease Term And Discount Rate Lease Term and Discount RateÂ September 30, 2024Â Weighted Average Remaining Lease Term (in years)Â Â Â Operating leasesÂ Â 9.1Â Finance leasesÂ Â 3.8Â Â Â Â Â Â Weighted Average Discount RateÂ Â Â Â Operating leasesÂ Â 2.9%Finance leasesÂ Â 8.1% Supplemental Cash Flow Information Â Â Three Months Ended September 30, Â Â Â 2024Â Â 2023Â Cash paid for amounts included in the measurement of lease liabilities:Â Â Â Â Â Â Operating cash used for operating leasesÂ $294,274Â Â $180,077Â Operating cash used for finance leasesÂ $14,062Â Â $7,536Â Financing cash used for finance leasesÂ $40,058Â Â $27,062Â Future Maturities Of Lease Liabilities Fiscal year ending:Â Finance LeasesÂ Â Operating LeasesÂ June 30, 2025 (remaining nine months)Â Â $173,412Â Â $855,856Â June 30, 2026Â Â 208,902Â Â Â 1,137,370Â June 30, 2027Â Â 182,253Â Â Â 1,144,603Â June 30, 2028Â Â 163,712Â Â Â 1,163,019Â June 30, 2029Â Â 57,642Â Â Â 1,193,260Â ThereafterÂ Â â€”Â Â Â 5,579,041Â Total future minimum paymentsÂ Â 785,921Â Â Â 11,073,149Â Less imputed interestÂ Â (111,159)Â Â (2,207,656)Present value of lease liabilitiesÂ $674,762Â Â $8,865,493Â X - ReferencesNo definition available. + Details Name: lpth_FinanceAndOperatingLeaseLiabilityMaturityTableTextBlock Namespace Prefix: lpth_ Data Type: nonnum:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_LeaseTermAndDiscountRateTableTextBlock Namespace Prefix: lpth_ Data Type: nonnum:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_LeaseCostTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of supplemental cash flow information for the periods presented. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfCashFlowSupplementalDisclosuresTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for supplemental balance sheet disclosures, including descriptions and amounts for assets, liabilities, and equity. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/210/tableOfContent + Details Name: us-gaap_SupplementalBalanceSheetDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 42 R31.htm IDEA: XBRL DOCUMENT v3.24.3 Loans Payable (Tables) 3 Months Ended Sep. 30, 2024 Loans Payable Â Future Maturities Of Loans Payable Â Â Promissory NoteÂ Â Unamortized Loan Issuance CostsÂ Â Equipment LoansÂ Â TotalÂ Fiscal year ending:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â June 30, 2025 (remaining nine months)Â $-Â Â $(225,000)Â $164,368Â Â $(60,632)June 30, 2026Â Â 3,000,000Â Â Â (29,167)Â Â 155,410Â Â Â 3,126,243Â June 30, 2027Â Â -Â Â Â -Â Â Â 109,875Â Â Â 109,875Â June 30, 2028Â Â -Â Â Â -Â Â Â 73,250Â Â Â 73,250Â Total paymentsÂ $3,000,000Â Â $(254,167)Â $502,903Â Â $3,248,736Â Less current portionÂ Â Â Â Â Â Â Â Â Â Â Â Â Â (2,963,855)Non-current portionÂ Â Â Â Â Â Â Â Â Â Â Â Â $284,881Â X - ReferencesNo definition available. + Details Name: us-gaap_LoansPayableAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of maturity and sinking fund requirement for long-term debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 470 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-1 + Details Name: us-gaap_ScheduleOfMaturitiesOfLongTermDebtTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 43 R32.htm IDEA: XBRL DOCUMENT v3.24.3 Foreign Operations (Tables) 3 Months Ended Sep. 30, 2024 Foreign Operations Â Schedule of Revenue and Foreign Assets Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Revenues:Â Â Â Â Â Â United StatesÂ $5,865,639Â Â $4,293,394Â EuropeÂ Â 1,281,260Â Â Â 2,523,545Â ChinaÂ Â 629,417Â Â Â 500,138Â Other Asian countriesÂ Â 210,231Â Â Â 562,399Â Rest of worldÂ Â 413,834Â Â Â 197,772Â Â Â $8,400,381Â Â $8,077,248Â Â Â September 30, 2024Â Â June 30, 2024Â Long-lived assets:Â Â Â Â Â Â United StatesÂ $24,163,400Â Â $24,989,477Â LatviaÂ Â 5,013,709Â Â Â 4,961,741Â ChinaÂ Â 2,458,802Â Â Â 2,615,410Â Â Â $31,635,911Â Â $32,566,628Â X - ReferencesNo definition available. + Details Name: lpth_ScheduleOfRevenueAndForeignAssetsTableTextBlock Namespace Prefix: lpth_ Data Type: nonnum:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_ForeignCurrencyAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 44 R33.htm IDEA: XBRL DOCUMENT v3.24.3 Acquisition of Visimid Technologies (Details Narrative) - Acquisition of Visimid Technologies [Member] - USD ($) 1 Months Ended 3 Months Ended Jan. 02, 2024 Oct. 23, 2023 Jul. 31, 2023 Sep. 30, 2024 Acquisition price of company in cash Â Â $ 1,000,000 Â Restricted stock Â Â Â $ 1,550,000 Estimated fair values of the assets acquired and liabilities assumed Â Â Â 464,000 Bank debt Â Â $ 150,000 Â Description of restricted stock installments Â Â Of the restricted stock payable as part of the purchase price, $150,000 (81,610 shares) was issued at closing, with the balance to be issued in four equal installments of $350,000 each, on January 1, 2024, July 1, 2024, January 1, 2025 and July 1, 2025 Â Trade Secrets [Member] Â Â Â Â Estimated fair values of the assets acquired and liabilities assumed Â Â Â 925,000 Purchase price net acquisition cost Â Â Â 238,000 Trademarks [Member] Â Â Â Â Estimated fair values of the assets acquired and liabilities assumed Â Â Â 442,000 Customer Backlog [Member] Â Â Â Â Purchase price net acquisition cost Â Â Â $ 2,700,000 Estimated useful lives of assets Â Â Â 1 year Acquisition payment amount at the closing period $ 125,000 $ 150,000 $ 125,000 $ 600,000 Customer Backlog [Member] | January 1, 2024 [Member] Â Â Â Â Shares issued Â Â Â 267,176 Customer Backlog [Member] | July 1, 2024 [Member] Â Â Â Â Shares issued Â Â Â 279,553 Customer Relationships [Member] Â Â Â Â Estimated fair values of the assets acquired and liabilities assumed Â Â Â $ 122,000 Purchase price net acquisition cost Â Â Â $ 83,000 Estimated useful lives of assets Â Â Â 10 years X - ReferencesNo definition available. + Details Name: lpth_AcquisitionIncludesBankDebt Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_DescriptionRelatedToStockPayable Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_EstimatedUsefulLivesOfAssets Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAmount of capitalized acquisition cost incurred during period and excluded from amortization for oil- and gas-producing activities accounted for under full cost method. Excludes exploration and development costs and capitalized interest. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 932 -SubTopic 360 -Name Accounting Standards Codification -Section S50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477385/932-360-S50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 932 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-10(c)(7)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479664/932-10-S99-1 + Details Name: us-gaap_AcquisitionCosts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the acquisition of business during the period (for example, cash that was held by the acquired business). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_CashAcquiredFromAcquisition Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe number of new shares issued in the conversion of stock in a noncash (or part noncash) transaction. Noncash is defined as transactions during a period that do not result in cash receipts or cash payments in the period. "Part noncash" refers to that portion of the transaction not resulting in cash receipts or cash payments in the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_ConversionOfStockSharesIssued1 Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe fair value of assets acquired in noncash investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_FairValueOfAssetsAcquired Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCash outflow representing an adjustment to the purchase price of a previous acquisition. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsForPreviousAcquisition Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of noncash expense for award of restricted stock or unit under share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_RestrictedStockExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_BusinessAcquisitionAxis=lpth_AcquisitionOfVisimidTechnologiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IndefiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TradeSecretsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IndefiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TrademarksMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=lpth_CustomerBacklogMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardDateAxis=lpth_OneJanuaryTwoZeroTwentyFourMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardDateAxis=lpth_OneJulyTwoZeroTwentyFourMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_CustomerRelationshipsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 45 R34.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Revenues $ 8,400,381 $ 8,077,248 Infrared Components [Member] Â Â Revenues 2,610,884 3,834,602 Visible Components [Member] Â Â Revenues 3,299,878 2,688,335 Assemblies and Modules [Member] Â Â Revenues 1,093,668 1,262,039 Engineering Services [Member] Â Â Revenues $ 1,395,951 $ 292,272 X - DefinitionAmount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ProductOrServiceAxis=lpth_InfraredComponentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name:

srt_ProductOrServiceAxis=lpth_VisibleComponentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=lpth_AssembliesAndModulesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=lpth_EngineeringServicesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 46 R35.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue (Details Narrative) - USD ($) Sep. 30, 2024 Jun. 30, 2024 Revenue Â Â Deferred revenue $ 317,000 $ 725,000 X - DefinitionAmount of deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_DeferredRevenue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 47 R36.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories (Details) - USD ($) Sep. 30, 2024 Jun. 30, 2024 Inventories Â Â Raw materials $ 2,937,970 $ 3,112,428 Work in process 2,630,688 2,333,240 Finished goods 2,588,168 2,330,287 Allowance for obsolescence (1,366,622) (1,224,896) Inventories, net $ 6,790,204 $ 6,551,059 X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryFinishedGoods Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount before valuation and LIFO reserves of raw materials expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryRawMaterials Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of valuation reserve for inventory. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryValuationReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before valuation and LIFO reserves of merchandise or goods in the production process expected to be completed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryWorkInProcess Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 48 R37.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories (Details Narrative) - USD ($) Sep. 30, 2024 Jun. 30, 2024 Raw materials $ 2,937,970 $ 3,112,428 Inventory - Tooling [Member] Â Â Raw materials $ 1,400,000 $ 1,400,000.0 X - DefinitionAmount before valuation and LIFO reserves of raw materials expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryRawMaterials Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_PublicUtilitiesInventoryAxis=lpth_ToolingRawMaterialsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 49 R38.htm IDEA: XBRL DOCUMENT v3.24.3 Property and Equipment (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Jun. 30, 2024 Total property and equipment, gross $ 33,974,887 $ 33,513,786 Less accumulated depreciation and amortization (19,053,388) (18,303,174) Total property and equipment, net 14,921,499 15,210,612 Manufacturing Equipment [Member] Â Â Total property and equipment, gross $ 22,912,199 22,582,429 Manufacturing Equipment [Member] | Minimum [Member] Â Â Estimated life 5 years Â Manufacturing Equipment [Member] | Maximum [Member] Â Â Estimated life 10 years Â Computer Equipment And Software [Member] Â Â Total property and equipment, gross $ 974,713 970,494 Computer Equipment And Software [Member] | Minimum [Member] Â Â Estimated life 3 years Â Computer Equipment And Software [Member] | Maximum [Member] Â Â Estimated life 5 years Â Furniture And Fixtures [Member] Â Â Total property and equipment, gross $ 356,701 349,932 Estimated life 5 years Â Leasehold Improvements [Member] Â Â Total property and equipment, gross $ 9,039,219 8,964,714 Leasehold Improvements [Member] | Minimum [Member] Â Â Estimated life 5 years Â Leasehold Improvements [Member] | Maximum [Member] Â Â Estimated life 10 years Â Construction In Progress [Member] Â Â Total property and equipment, gross $ 692,055 $ 646,217 X - ReferencesNo definition available. + Details Name: lpth_EstimatedLife Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAmount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_MachineryAndEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_BottomMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_TopMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_ComputerEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_FurnitureAndFixturesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_LeaseholdImprovementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_ConstructionInProgressMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 50 R39.htm IDEA: XBRL DOCUMENT v3.24.3 Goodwill and Intangible Assets (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Jun. 30, 2024 Intangible Assets, Gross $ 12,629,547 $ 12,629,547 Less Accumulated Amortization (9,374,584) (8,978,808) Intangible Assets, Net 3,254,963 3,650,739 Customer Relationships [Member] Â Â Intangible Assets, Gross 3,712,300 3,712,300 Backlog [Member] Â Â Intangible Assets, Gross $ 463,525 463,525 Useful Life 1 year Â Maximum [Member] | Customer Relationships [Member] Â Â Useful Life 15 years Â Minimum [Member] | Customer Relationships [Member] Â Â Useful Life 10 years Â Trademark [Member] Â Â Intangible Assets, Gross $ 4,256,418 4,256,418 Trademark [Member] | Maximum [Member] Â Â Useful Life 10 years Â Trademark [Member] | Minimum [Member] Â Â Useful Life 8 years Â Trade Secrets [Member] Â Â Intangible Assets, Gross $ 4,197,304 $ 4,197,304 Trade Secrets [Member] | Maximum [Member] Â Â Useful Life 8 years Â X - DefinitionWeighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAccumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 928 -SubTopic 340 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478859/928-340-50-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_CustomerRelationshipsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=lpth_BacklogMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_TopMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_BottomMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IndefiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TradeNamesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IndefiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TradeSecretsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 51 R40.htm IDEA: XBRL DOCUMENT v3.24.3 Goodwill and Intangible Assets (Details 1) - USD ($) Sep. 30, 2024 Jun. 30, 2024 Intangible Assets, Net $ 3,254,963 $ 3,650,739 Intangible Assets [Member] Â Â June 30, 2025 (nine months remaining) 488,878 Â June 30, 2026 388,336 Â June 30, 2027 388,336 Â June 30, 2028 388,336 Â June 30, 2029 388,336 Â After June 30, 2027 1,212,741 Â Intangible Assets, Net $ 3,254,963 Â X - ReferencesNo definition available. + Details Name: lpth_FiniteLivedIntangibleAssetsAmortizationExpenseAfterYearFour Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data

Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_FiniteLivedIntangibleAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 52 R41.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Income Taxes Â Â Income (loss) before income taxes $ (1,607,109) $ (1,302,830) Income tax provision $ 15,636 $ 39,546 Effective income tax rate (1.00%) (3.00%) X - DefinitionPercentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231 + Details Name: us-gaap_EffectiveIncomeTaxRateContinuingOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionAmount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 53 R42.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes (Details Narrative) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Jun. 30, 2024 Change in statutory income tax rate 20.00% Â Â U.S. federal and state statutory income tax rate 25.50% Â Â Statutory income tax rate (1.00%) (3.00%) Â Unpaid withholding tax $ 32,000 Â $ 32,000 Republic of China [Member] Â Â Â Statutory income tax rate 15.00% Â Â LATVIA Â Â Â U.S. federal and state statutory income tax rate 25.00% Â Â X - ReferencesNo definition available. + Details Name: lpth_UnpaidWithholdingTax Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPercentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231 + Details Name: us-gaap_EffectiveIncomeTaxRateContinuingOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionPercentage of domestic federal statutory tax rate applicable to pretax income (loss). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.1.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionPercentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to changes in the income tax rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12A -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12AReference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_EffectiveIncomeTaxRateReconciliationChangeInEnactedTaxRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: srt_StatementGeographicalAxis=country_CN Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=lpth_LVMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 54 R43.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Stock-based compensation $ 264,475 $ 240,075 Restricted Stock Award R S A [Member] Â Â Stock-based compensation 10,809 22,387 Restricted Stock Units Â Â Stock-based compensation 106,687 186,210 Stock Options [Member] Â Â Stock-based compensation $ 146,979 $ 31,478 X - DefinitionAmount of expense for award under share-based payment arrangement. Excludes amount capitalized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.F) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_AllocatedShareBasedCompensationExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=lpth_RestrictedStockAwardRSAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_StockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 55 R44.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation (Details 1) 3 Months Ended Sep. 30, 2024 $ / shares shares Restricted Stock Units [Member] Â RSU Shares Â Balance, beginning 1,250,132 Granted 0 Exercised 0 Cancelled/forfeited 0 Balance, ending 1,250,132 Balance, ending, shares exercisable and vested 587,351 Balance, ending, shares unexercisable/unvested 662,781 Weighted average remaining contract life - Restricted Stock Units, beginning 24 days Weighted average remaining contract life - Restricted Stock Units, ending 18 days Weighted average remaining contract life unexercisable/unvested - Restricted Stock Units 18 days Restricted Stock Awards [Member] Â RSA Shares Â Balance beginning share 161,540 Granted share 60,000 Exercised share (74,653) Cancelled/Forfeited 0 Balance ending share 146,887 Unexercisable unvested restricted share award 146,887 Restricted stock award Weighted average remaining contract life - Restricted Stock Units Beginning 1 month 15 days Restricted stock award Weighted average remaining contract life - Restricted Stock Units ending 1 month 9 days Unexercisable unvested restricted stock award weighted average term 1 month 9 days Stock Options [Member] Â Stock Options Â Balance, beginning, shares 553,689 Granted, shares 0 Exercised, shares 0 Cancelled/Forfeited, shares (28,794) Balance, ending, shares 524,895 Balance ending, shares exercisable and vested 477,409 Balance ending, shares unexercisable and unvested 47,486 Weighted average exercise price - Stock Options Â Weighted average exercise price, Balance Beginning | $ / shares $ 2.02 Weighted average exercise price, Granted | $ / shares 0 Weighted average exercise price, Exercised | $ / shares 0 Weighted average exercise price, Cancelled/Forfeited | $ / shares 2.96 Weighted average exercise price, Balance Ending | $ / shares 1.97 Weighted average exercise price, Exercisable/vested - Balance Ending | $ / shares 1.94 Weighted average exercise price, Unexercisable/unvested - Balance Ending | $ / shares $ 2.25 Weighted average remaining contract life - Stock Options Â Weighted average remaining contract life, Balance Beginning 5 months 12 days Weighted average remaining contract life, Balance Ending 5 months 3 days Weighted average remaining contract life, Exercisable/vested 4 months 21 days Weighted average remaining contract life, Unexercisable/unvested 8 months 6 days X - ReferencesNo definition available. + Details Name: lpth_BalanceEndingSharesExercisableAndVested Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_BalanceEndingSharesUnexercisableAndUnvested Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_EquitySecuritiessRestrictedAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_GrantedShares Namespace Prefix:

lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsOutstandingWeightedAverageRemainingContractualTerms2 Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsCancelledForfeited Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsExercisedRSA Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsGrantedRSA Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsOutstandingNumberRSABeginning Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_ShareBasedCompensationArrangementByShareBasedPaymentsAwardNonOptionEquityInstrumentsOutstandingNumberRSA Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsOutstandingWeightedAverageRemainingContractualTerm1 Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_SharebasedcompensationarrangementbysharebasedpaymentawardequityinstrumentsotherthanoptionsoutstandingweightedaverageremainingcontractualtermsrestrictedStockAward Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_SharebasedcompensationarrangementbysharebasedpaymentawardequityinstrumentsotherthanoptionsoutstandingweightedaverageremainingcontractualtermsrestrictedStockAwardTerm Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageExercisePriceAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageRemainingContractLifeAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageRemainingContractLifeUnexercisableBalanceEnding Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageRemainingContractLifeUnexercisableBalanceEnding1 Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageRemainingContractLifeUnexercisableRSAContractBalanceEnding Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageRemainingContractLifeUnexercisableRestrictedSharesAwardBalanceEnding Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EquitySecuritiesRestrictedAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining contractual term for equity-based awards excluding options, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (e)(1) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsOutstandingWeightedAverageRemainingContractualTerms Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionNumber of non-option equity instruments exercised by participants. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares under non-option equity instrument agreements that were either cancelled or expired. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsForfeituresAndExpirations Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNet number of non-option equity instruments granted to participants. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsGranted Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of equity instruments other than options outstanding, including both vested and non-vested instruments. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe weighted-average price as of the balance sheet date at which grantees can acquire the shares reserved for issuance on vested portions of options outstanding and currently exercisable under the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionWeighted average price of options that were either forfeited or expired. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresAndExpirationsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of shares under options that were cancelled during the reporting period as a result of occurrence of a terminating event specified in contractual agreements pertaining to the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of options outstanding, including both vested and non-vested options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionWeighted average price at which grantees can acquire the shares reserved for issuance under the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of fully vested and expected to vest options outstanding that can be converted into shares under option plan. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionWeighted average price at which option holders acquired shares when converting their stock options into shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average grant-date fair value of non-vested options outstanding. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining contractual term for option awards outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (e)(1) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsOutstandingWeightedAverageRemainingContractualTerm2 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for fully vested and expected to vest options outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageRemainingContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionNumber of share options (or share units) exercised during the current period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_FinancialInstrumentAxis=lpth_RestrictedStockUnitsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=lpth_RestrictedStockAwardsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_StockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R45.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation (Details 2) Sep. 30, 2024 USD ($) Stock options $ 42,732 Restricted stock units 454,062 Restricted Stock Award 119,501 Total unrecognized compensation cost 616,295 Year ended June 30, 2027 Â Stock options 6,903 Restricted stock units 74,693 Restricted Stock Award 8,155 Total unrecognized compensation cost 89,751 Year ended June 30, 2025 Â Stock options 25,628 Restricted stock units 236,992 Restricted Stock Award 66,054 Total unrecognized compensation cost 328,674 Year ended June 30, 2026 Â Stock options 10,201 Restricted stock units 142,377 Restricted Stock Award 45,292 Total unrecognized compensation cost $ 197,870 X - ReferencesNo definition available. + Details Name: lpth_EmployeeServiceShareBasedCompensationRestrictedStockAward Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_ShareBasedPaymentArrangementNonvestedAwardCostNotYetRecognizedAmount Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_ShareBasedPaymentArrangementsNonvestedAwardCostNotYetRecognizedAmount Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cost not yet recognized for nonvested award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher

FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_PlanNameAxis=lpth_TwentyTwentySevenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_TwentyTwentyFiveMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_TwentyTwentySixMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 57 R46.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation (Details Narrative) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Jun. 30, 2024 Dec. 31, 2022 Dec. 31, 2018 Total unrecognized compensation cost $ 600,000 Â Â Â Â Discount of purchase of common stock $ 1,100 $ 2,000 Â Â Â Common stock shares authorized 94,500,000 Â 94,500,000 Â Â Stock options granted vest ratably description options granted vest ratably over two to four years and are generally exercisable for ten years. The assumed forfeiture rates used in calculating the fair value of RSA and RSU grants was 0%, and the assumed forfeiture rates used in calculating the fair value of options for performance and service conditions were 20% for each of the three months ended September 30, 2024 and 2023. The volatility rate and expected term are based on seven-year historical trends in Class A common stock closing prices and actual forfeitures. Â Â Â Â Class A Common Stock [Member] | SICP [Member] Â Â Â Â Â Common stock shares authorized 832,099 Â Â 2,100,000 1,650,870 X - ReferencesNo definition available. + Details Name: lpth_DescriptionofstockOptionsGrantedVestRatably Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_DiscountOfPurchaseOfCommonStock Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_TotalUnrecognizedCompensationCost Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_SICPMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 58 R47.htm IDEA: XBRL DOCUMENT v3.24.3 Earnings (Loss) Per Share (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Earnings (Loss) Per Share Â Â Net income (loss) $ (1,622,745) $ (1,342,376) Weighted Average Number Of Shares Outstanding Â Â Basic number of shares 39,561,480 37,431,748 Effect of dilutive securities: Â Â Options to purchase common stock 0 0 RSUs 0 0 Diluted number of shares 39,561,480 37,431,748 Loss per common share: Â Â Basic $ (0.04) $ (0.04) Diluted $ (0.04) $ (0.04) X - ReferencesNo definition available. + Details Name: lpth_EffectOfDilutiveSecuritiesAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_IncrementalCommonSharesAttributableToCallOptions Namespace Prefix: lpth_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareBasicAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI 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http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAdditional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of contingently issuable shares. Contingently issuable shares are those shares that are issuable for little or no cash contingent on certain conditions being met. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-23Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 26 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-26Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 44 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-44Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 51 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-51Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-52Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-53Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 54 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-54Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 48 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-48Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 48 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-48 + Details Name: us-gaap_IncrementalCommonSharesAttributableToContingentlyIssuableShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting

Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 59 R48.htm IDEA: XBRL DOCUMENT v3.24.3 Earnings (Loss) Per Share (Details 1) - shares 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Antidilutive Securities 541,170 534,462 Stock Options Â Â Antidilutive Securities 1,945,834 2,223,528 Restricted Stock Units Â Â Antidilutive Securities 1,404,664 1,689,066 X - DefinitionSecurities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_OptionIndexedToIssuersEquityEquityAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 60 R49.htm IDEA: XBRL DOCUMENT v3.24.3 Leases (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Leases Â Â Operating lease cost $ 268,495 $ 205,023 Finance lease cost, depreciation of lease assets 37,816 19,915 Finance lease cost, interest on lease liabilities 14,062 7,536 Total finance lease cost 51,878 27,451 Total lease cost $ 320,373 $ 232,474 X - ReferencesNo definition available. + Details Name: lpth_TotalFinanceLeaseCost Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest expense on finance lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseInterestExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of amortization expense attributable to right-of-use asset from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseRightOfUseAssetAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of lease cost recognized by lessee for lease contract. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_LeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 61 R50.htm IDEA: XBRL DOCUMENT v3.24.3 Leases (Details 1) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Jun. 30, 2024 Assets Â Â Â Operating lease assets $ 6,514,321 Â $ 6,741,549 Finance lease assets 935,262 Â 1,063,768 Total lease assets 7,449,583 Â 7,805,317 Liabilities Â Â Â Operating leases, current 1,028,981 Â 1,059,998 Finance leases, current 183,656 Â 177,148 Operating leases, noncurrent 7,836,512 Â 8,058,502 Finance leases, noncurrent 491,106 Â 528,753 Total lease liabilities $ 9,540,255 Â $ 9,824,401 Weighted average remaining lease term (in years), operating leases 9 years 1 month 6 days Â Â Weighted average remaining lease term (in years), finance leases 3 years 9 months 18 days Â Â Weighted average discount rate, operating leases 2.90% Â Â Weighted average discount rate, finance leases 8.10% Â Â Operating cash used for operating leases $ 294,274 $ 180,077 Â Operating cash used for finance leases 14,062 7,536 Â Financing cash used for finance leases $ 40,058 $ 27,062 Â X - ReferencesNo definition available. + Details Name: lpth_AssetsLesseeAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_FinanceLeasePaymentsUse Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_FinancingCashUsedForFinanceLeases Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_LiabilitiesLesseeAbstract Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_OperatingLeaseLiabilitiesCurrent Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_TotalLeaseAssets Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_TotalLeaseLiabilities Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageRemainingLeaseTermInYearsFinanceLeases Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_WeightedAverageRemainingLeaseTermInYearsOperatingLeases Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after accumulated amortization, of right-of-use asset from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionWeighted average discount rate for finance lease calculated at point in time. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseWeightedAverageDiscountRatePercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of cash outflow from operating lease to bring another asset to condition and location necessary for its intended use. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeasePaymentsUse Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionWeighted average discount rate for operating lease calculated at point in time. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant XML 62 R51.htm IDEA: XBRL DOCUMENT v3.24.3 Leases (Details 2) Sep. 30, 2024 USD ($) Finance Lease - Fiscal year ending June 30, Â June 30, 2025 $ 173,412 June 30, 2026 208,902 June 30, 2027 182,253 June 30, 2028 163,712 June 30, 2029 57,642 Thereafter 0 Total future minimum payments 785,921 Less imputed interest (111,159) Present value of lease liabilities 674,762 Operating Lease - Fiscal Year ending June 30, Â June 30, 2025 855,856 June 30, 2026 1,137,370 June 30, 2027 1,144,603 June 30, 2028 1,163,019 June 30, 2029 1,193,260 Thereafter 5,579,041 Total future minimum payments 11,073,149 Less imputed interest (2,207,656) Present value of lease liabilities $ 8,865,493 X - ReferencesNo definition available. + Details Name: lpth_FinanceLeaseLiabilityPaymentsDueAfterYearFour Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour

Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_CapitalLeasesFutureMinimumPaymentsDueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments for finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_FinanceLeaseLiabilityPaymentsDue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for finance lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_FinanceLeaseLiabilityPaymentsDueNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for finance lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_FinanceLeaseLiabilityPaymentsDueYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for finance lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_FinanceLeaseLiabilityPaymentsDueYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for finance lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_FinanceLeaseLiabilityPaymentsDueYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for finance lease to be paid in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_FinanceLeaseLiabilityPaymentsRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_FinanceLeaseLiabilityUndiscountedExcessAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OperatingLeasesFutureMinimumPaymentsDueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 63 R52.htm IDEA: XBRL DOCUMENT v3.24.3 Leases (Details Narrative) - USD ($) 3 Months Ended Sep. 30, 2024 Jun. 30, 2024 Leases Â Â Finance Lease Assets, Accumulated Depreciation $ 147,000 $ 109,000 Lease term 12 months Â Operating Lease Expiry Year 2034 Â Description of leased space The lease on the premises comprising our primary facility in Orlando, Florida (the â€œOrlando Facilityâ€) was amended in April 2021, and again in September 2021, to expand the space from approximately 26,000 square feet to approximately 58,500 square feet. The lease term was extended from April 30, 2022, to that certain date that is one hundred twenty-seven (127) months after the date the landlord completes certain work to be done at the leased premises. The landlordâ€™s work was completed in August 2023, and accordingly the lease expires on March 31, 2034. Effective in January 2022, the terms of our leases in Zhenjiang, China and Riga, Latvia were extended to December 31, 2024 and 2030, respectively. It is our intention to renew the lease on the reduced space in Zhenjiang for at least a one-year term Â Tenant improvement allowances $ 2,400,000 Â Estimated cost of Tenant improvement allowances $ 3,700,000 Â X - ReferencesNo definition available. + Details Name: lpth_DescriptionOfLeasedSpace Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_EstimatedCostOfTenantImprovementAllowances Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_LeaseTerm Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_OperatingLeaseExpiryYear Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_TenantImprovementAllowances Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of accumulated amortization of right-of-use asset from finance lease. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseRightOfUseAssetAccumulatedAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 64 R53.htm IDEA: XBRL DOCUMENT v3.24.3 Loans Payable (Details) - USD ($) Sep. 30, 2024 Jun. 30, 2024 June 30, 2025 (remaining nine months) $ (60,632) Â June 30, 2026 3,126,243 Â June 30, 2027 109,875 Â June 30, 2028 73,250 Â Total Payments 3,248,736 Â Less current portion (2,963,855) $ (209,170) Non-current portion 284,881 Â Promissory Note [Member] Â Â June 30, 2025 (remaining nine months) 0 Â June 30, 2026 3,000,000 Â June 30, 2027 0 Â June 30, 2028 0 Â Total Payments 3,000,000 Â Unamortized Loan Issuance [Member] Â Â June 30, 2025 (remaining nine months) (225,000) Â June 30, 2026 (29,167) Â June 30, 2027 0 Â June 30, 2028 0 Â Total Payments (254,167) Â Equipment Loans [Member] Â Â June 30, 2025 (remaining nine months) 164,368 Â June 30, 2026 155,410 Â June 30, 2027 109,875 Â June 30, 2028 73,250 Â Total Payments $ 502,903 Â X - ReferencesNo definition available. + Details Name: lpth_LongTermDebtMaturitiesRepaymentsOfPrincipalInNextTwelveMonth Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_LongTermDebts Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of portion of long-term loans payable due within one year or the operating cycle if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LoansPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 470 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-1 + Details Name: us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 470 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-1 + Details Name: us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3 + Details Name: us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_DebtInstrumentAxis=lpth_PromissoryNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=lpth_UnamortizedLoanIssuanceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=lpth_EquipmentLoansMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 65 R54.htm IDEA: XBRL DOCUMENT v3.24.3 Loans Payable (Details Narrative) - USD ($) 1 Months Ended 3 Months Ended Aug. 06, 2024 May 31, 2023 Sep. 30, 2021 Dec. 31, 2020 Sep. 30, 2024 Jun. 30, 2024 2020 Equipment Loan Â Â Â Â Â Â Â Interest Rate On Borrowing Â Â Â Â Â 3.30% Installment Term Â Â 52 months 60 months Â Â Â Advances Â Â $ 267,000 $ 275,000 Â Â 2023 Equipment Loan Â Â Â Â Â Â Â Interest Rate On Borrowing Â Â Â Â Â 5.94% Installment Term Â 48 months Â Â Â Â Advances Â $ 141,245 Â Â $ 141,815 Â Bridge Note [Member] Â Â Â Â Â Â Principal amount $ 3,000,000 Â Â Â Â Â Original issue discount 7.00% Â Â Â Â Â Â Net proceeds $ 2,700,000 Â Â Â Â Â Â Interest rate, per annum 12.50% Â Â Â Â Â Â Debt term 1 year Â Â Â Â Â Description of Bridge Note the Maturity Date at 105% of the prepaid principal amount plus any unpaid accrued interest. Upon the consummation of a transaction resulting in a Change of Control (as defined in the Bridge Note) we are required to repay the holder of the Bridge Note in cash an amount equal to 105% of the outstanding principal balance of the Bridge Note plus unpaid accrued interest on the original principal Â Â Â Â Â Â Interest rate increase, per annum 18.00% Â Â Â Â Â Â X - ReferencesNo definition available. + Details Name: lpth_DebtInstrumentDiscount Namespace Prefix: lpth_ Data Type: num:percentItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_DescriptionOfBridgeNote Namespace Prefix:

lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_InstallmentTerm Namespace Prefix: lpth_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe average effective interest rate during the reporting period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2 + Details Name: us-gaap_DebtInstrumentInterestRateDuringPeriod Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionEffective interest rate for the funds borrowed under the debt agreement considering interest compounding and original issue discount or premium. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-6 + Details Name: us-gaap_DebtInstrumentInterestRateEffectivePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionIncremental percentage increase (decrease) in the stated rate on a debt instrument. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentInterestRateIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionPeriod of time between issuance and maturity of debt instrument, in PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe cash outflow from advancing money to an affiliate (an entity that is related but not strictly controlled by the entity). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsForAdvanceToAffiliate Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThis is the principal amount outstanding for securitized loans only (across all types of loans). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Subparagraph (a) -Paragraph 4 -SubTopic 20 -Topic 860 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-4 + Details Name: us-gaap_PrincipalAmountOutstandingOnLoansSecuritized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of cash inflow from debt classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromOtherDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_PlanNameAxis=lpth_TwoThousandTwentyEquipmentLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_TwoThousandTwentyThreeEquipmentLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=us-gaap_PrincipalOwnerMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 66 R55.htm IDEA: XBRL DOCUMENT v3.24.3 Foreign Operations (Details) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Revenues $ 8,400,381 $ 8,077,248 CN [Member] Â Â Revenues 629,417 500,138 Other Asian countries Â Â Revenues 210,231 562,399 Rest of world Â Â Revenues 413,834 197,772 Europe Â Â Revenues 1,281,260 2,523,545 UNITED STATES Â Â Revenues $ 5,865,639 $ 4,293,394 X - DefinitionAmount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_StatementGeographicalAxis=lpth_CNMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=lpth_OtherAsianCountriesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=lpth_RestOfWorldMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=lpth_EuropeanCountriesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeTaxAuthorityNameAxis=lpth_UnitedStatessMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 67 R56.htm IDEA: XBRL DOCUMENT v3.24.3 Foreign Operations (Details 1) - USD ($) Sep. 30, 2024 Jun. 30, 2024 Assets $ 31,635,911 $ 32,566,628 UNITED STATES Â Â Assets 24,163,400 24,989,477 LATVIA Â Â Assets 5,013,709 4,961,741 CN [Member] Â Â Assets $ 2,458,802 $ 2,615,410 X - DefinitionLong-lived assets other than financial instruments, long-term customer relationships of a financial institution, mortgage and other servicing rights, deferred policy acquisition costs, and deferred tax assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41 + Details Name: us-gaap_NoncurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_IncomeTaxAuthorityNameAxis=lpth_UnitedStatesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=lpth_LVMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=lpth_CNMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 68 R57.htm IDEA: XBRL DOCUMENT v3.24.3 Foreign Operations (Details Narrative) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Jun. 30, 2024 Cumulative Gain $ 782,000 Â $ 510,000 Gain (loss) On Foreign Currency 36,000 $ 25,000 Â Cash And Cash Equivalents 1,600,000 Â Â L P O I Z Â Â Â Cash And Cash Equivalents $ 4,300,000 Â Â X - ReferencesNo definition available. + Details Name: lpth_CashEquivalentsValue Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: lpth_CumulativeGain Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, before tax, of realized gain (loss) from foreign currency transaction. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 6 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-6Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481956/830-20-45-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481926/830-20-50-1 + Details Name: us-gaap_ForeignCurrencyTransactionGainLossRealized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_BusinessAcquisitionAxis=lpth_LPOIZMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 69 R58.htm IDEA: XBRL DOCUMENT v3.24.3 Contingencies (Details Narrative) 1 Months Ended Dec. 31, 2023 USD ($) Commitments and Contingencies Â Related expenses $ 190,000 X - ReferencesNo definition available. + Details Name: lpth_RelatedExpenses Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 70 R59.htm IDEA: XBRL DOCUMENT v3.24.3 Liquidity (Details Narrative) - USD ($) $ / shares in Units, $ in Millions 1 Months Ended Jan. 12, 2023 Feb. 16, 2022 Sep. 30, 2024 Jun. 30, 2024 Common stock, par value Â Â $ 0.01 $ 0.01 Common stock, shares Issued Â Â 39,612,737 39,254,643 Common Stock ClassA Â Â Â Â Offering Price Â $ 75.8 Â Â Revised Offering Price Â 25.2 Â Â Decrease in Aggregate Offering Price Â $ 50.6 Â Â Common stock, shares Issued Â Â Â 585,483 Securities Purchase Agreement Â Â Â Â Common stock, par value $ 0.01 Â Â Â Common stock, shares Issued 9,090,910 Â Â Â Purchase Price, per share $ 1.10 Â Â Â Description of securities purchase agreement The sale of shares pursuant to the Purchase Agreement closed on January 17, 2023, and resulted in net proceeds of approximately $9.2 million after payment of placement agent fees, and certain other costs and expenses of the offering Â Â Â X - ReferencesNo definition available. + Details Name: lpth_DecreaseInAggregateOfferingPrice Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_OfferingPrice Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_RevisedOfferingPrice Namespace Prefix: lpth_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: lpth_SecurititesPurchaseAgreementDescription Namespace Prefix: lpth_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPer share or per unit amount of equity securities issued. + ReferencesNo definition available. + Details Name: us-gaap_SharesIssuedPricePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_StatementClassOfStockAxis=lpth_CommonStockClassAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=lpth_SecuritiesPurchaseAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 71 Financial_Report.xlsx IDEA: XBRL

DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (!B 9UD'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\IQO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " 8@&=9S$%Z'.\ K @ $0 &1O8U!R;W!S+V-O&ULS9)1 M2\,P$,>_BN2]O:05E=#U9<,G!<&!XEM(;EM8TX3DI-VW-ZU;A^@'\#%W__SN M=W"-#E+[B"_1!XQD,=V,KNN3U&'%#D1! B1]0*=2F1-];NY\=(KR,^XA*'U4 M>X2*\SMP2,HH4C !B[06=L8+75$13Z>\48O^/ 9NQEF-&"'#GM*($H!K)TF MAM/8-7 %3##"Z-)W ']^>IW7+6R? M2/4:\Z]D)0)9T"KMAE\EN]WFP?65OQZK80HN#WVTI(SF7]\#&Y_O"[CMOL[.^ M8^.+8-O K[MHOP!02P,$% @ &(!G69E&UL[5I;<]HX%%[OK]!X9_9M"\8V@;:T$W-I=MNTF83M M3A^%$5B-;'EDD81_OTV23;J;/ 0LZ?O.14?GZ#AY\^XN8NB&B)3R M>+)O6N[!3+ MUES@6QHO(];JM-O=5H1I;*$81V1@?5XL:$#05%%:;U\@M.4?,_@5RU2-9:,! M$U=!)KF(M/+Y;,7\VMX^9< I.ATR@6XP&U@@?\YOI^1.6HCA5,+$P&IG/U9K MQ]'22(""R7V4!;I)]J/3%0@R#3LZG5C.=GSVQ.V? C,K:=#1M&N#C\7@&XMLO2 MBW A(5M>5 TR M6'!VULS2 Y9>*?IUE!K9';O=05SP6.XYB1'^QL4$UFG2&98T1G*=D 4. #?$ MT4Q0?*]!MHK@PI+27)#6SRFU4!H(FLB!]4>"(<7K;YH] M5Z%82=J$^.!!&&N*<<^9ST6S[!Z5&T?95O-RCEU@5 9<8WS2J-2S%UGB5P/&M MG#P=$Q+-E L&08:7)"82J3E^34@3_BNEVOZKR2.FJW"$2M"/F(9 M-AIRM1:!MG&IA&!:$L;1>$[2M!\6:PUDSY@R.S-D77.UI$.$9)>-T(^8LZ+ MD!& _H8X2IKMHG%8!/\>7L-)P>B"RV;]N'Z&U3-L+([W1]072N0/]J<_Z3(T M!Z.:60F]A%9JGZJ'-#ZH'C(*!?&Y'C[E>G@*-Y;&O%"N@GL!]':-*K^(+ M.7\N?<^E[[GT/:'2MSAD6R4)RU3393>* M$IY"&V[I4_5*E=?EK[DHN#Q;Y.FOH70^+,_Y/%_GM,T+,T.WF)&Y M-2D& _#^>G%>!KB.=N0V785VWGV-'1^^?!4;"C[SR6'<>(\J[A[J&&F, # M0X=Y>U^89Y7&4#04;6RL)"Q#W%U_$L%.!D8"V@!X.O40+R4E5@,5O& RN0 MHGQ,C$7H<.>77%_CT9+CVZ9EM6ZO*7<9;2)2.<)IF!-GJ\K>9;'151W/55OR ML+YJ/;053L ^6:W(GPP13A8+$DACE!>F2J+$&5.^YRM)Q%4XOT4SMA*7&+SC MYL=Q3E.X$+ D29+2 , 6%JA2$9N)-7>W5YYNTB42%(JP# 4A M%W+C[^^3:G>,U_HL@6V$5#)DU1?*0XG!/3-R0]A4)?.NVB8+A=OB5,V[&KXF M8$O#>FZ=+2?_VU[4/;07/4;SHYG@'K.' MYA,L0Z1^P7V*BH 1JV*^NJ]/^26<.[1{\8$@F_S6VZ3VW> ,? -2K6J5D*Q$_ M2P=\'Y(&8XQ;]#1?CQ1BK::QK<;:,0QY@%CS#*%F.-^'19H:,]6+K#F-"F]! MU4#E/]O4#6CV#30,9FV-J/D3@H\W/[O#;#"Q([A[8N_ 5!+ P04 M" 8@&=9S9>7L.\% "I'P & 'AL+W=O5MF#PL>$>CR+M!.7X=V_: M*'Y3"X^_']P?R+Z,PS4ZK;1;9" +U@6J1>Q?>1[H&OMYXLHS?3 M[>[>EMT@?I8J$>_ %4((X3':?[7 _((X$;O>$@.X%]#N!TSHA" _,E9NY+E M6/=,L7Y/BBV1^FYPTU_R9Y.K@29,=#5.E82K(>A4WQ,,+DF3I"LF>=JS%'CJ M*Y:_U]_M]/2$WB6?1:)6*1DF 0_>ZRTH2U$@>BC0'44-IWQ]15S[Z$V;1G* MX^'RL=A<$;MEDK\KCEL\'S?W<]'G_=@GBH)3>X?TQ/:.;3,#OH]_)BNF<]O M& "BI5QN>*/_RT].V_[5A/>#S-[!M@K8%N;>'R8J5& DA2]#C9LH,F8Q-R'C M/D^C3X^SR6#V2&9#[W'\ /3\:32Z%GT'7J\CL;6VL3ESNV,TO M)B1451.I4R!UT#(-@"?(F1XBMC0QX?H%BU+3H_!064VH;@'510OE95+F2&'J M0UO\RIG4_2]GMU8;,A;LVFWFZYM@D2%-2%O"LB;*B_<-&911.ZR%"ZGQH$' MMU$R,I8? JJJ)YMCE:&I7@EM!+B&>B-^%E)IXJEB*C/G)-SQJS%=>;BJ M+F>9;APT3Y0CPX3+4 1H;W/&J@AN)Y,;;E"7M0PW3J5T\Q!&D.@\@%P*:6ZS MN,]8)$WF^S 3D6 2[R-O)?(-4X9;!P\CQ1UNQ].]E7\ *?-#1BW^V*,-;BH M+F,9;)R*R>9XR#Q-B)M!N[TV,EXBZ#AETG'PJ'+HBT0ZW4[/VI@0R]SCX%&EJ,8O M&9.*R^AMW^4:J7"O4\$ E]6MQ3+U.'A>*3,X3*S2,%_#0!AQL]/#YB7B#RWC M#ZT4? W2/2,99/#?VBW=G3& :U:2=ZU;7./N_1 "B90"BE0+0*/&%A+IC>37J M3,#A_"<(AS1,AQ1/,]\Q[GKi@!T(L4F3'QS+X5; M/CP9.2\1D&@9D&BE@'3@G C(1!'Y*UR?[HMQ0Y=V:=L(>HG5(5K&)'IF? 2C' ME)R=!L,-6G;'B'6):$3+:$3Q-/,D\NG)2B1H:L!-W"YMMFS;-?)=(A6Y92IR M\4 SY7XF==4Y=$YFH8J,57?&Q(N8[I??30,^D#5,=S8LRCCYV;ZRC3,TW+FF('1;%C*BXXXDU,%SU?SFM MH\U0O4Z9[Q&GQ-?Q?+ZK5=Z^V\3^S/0R9THBO@"I?=6!\5SN M]H5W!TJL\ZW5N5!*Q/G7%6?68L.A8JBUY)=MK[]3N4 M7V2++TZ!?D@LVD/RF=',/#/DW:MMOK0K8SKT=5W5[? UDU76;V]FL7:S,6K?O M[<;4\,O2-FO=P;!YF;6;QNBBG[2N9A1C,5OKLI[,[_KO'IOYG=UV55F;QP:U MV_5:-]\^FP5=O_1Z\'63Q!BVW;V?5A,B!8E_7^4W\|&.)L N&1"?0P@;YU CM, M8+VB>V2]6I]UI^=WC7U%C9.&U=Q#;YM^-FA3UNXU/G4- %K"O&[^8.L*7HHI M$#RUMBH+W<'@DZYTO3#HR2WE+3_K2?CT6TW?;-*;ND&Y4.PVI,]^ M 1Y>P(75;;O1"W, @;AI3;,SD_F? _T0$_A#2[@$?Q5$G<:_>.9E,A M14BI_9[9&=B,Y$)Q/%+*E^,Y53DC8:6RDU)94JF?ZQV8VS:E:7LU0A S;VLA MABA.$$42XF-C-KHLD/FZ<6F@[2U:F(UMR["?"-^D3&5] M;%%?C/,LQSB,5I[0RB3:?W,E>* JG'[[@%=W9?V"*@/,C1I'T3=',%0=S2 MAU4O0X=P61J[5O4T0X0T4SMA*7&+SC 8+D29+2 , 6%JE507AT8")!"=T3!-O$+&R- M"(H,2Q8#.S D29+2 , 6%JE507AT8"!"=T3!-O$+&R-;2;/:9[,T$%P% MZO37J]9DOC-2AO$X6UV7NP0[L!I)T]H^825\,\!0"F//,P-BN<"QB!KXB:0) M:I^L$O!\UN&*<\YRSX(A2:Q$+G@$Y,!01+RI9*M*_5Q690=E&JS2)+IOK=P M^U&K72H]$!U),)W'8R6TT=]<&114.$!S0A EZ/CE^(*,,B()B[R;@>Q(FNT M9K.%6#Q[-T&D 1+CA"E7M5TB#0CF!%2*I8V![4B:[HY(P9Z-K:J>]9Y-;9:1 M.H>$"$])B;U,%Q+D@F>1Z*0#W]'OX[LS(T^/%4:P@?%YC& H9]4XK00%LSS/ M\(4\'0B/I@GOGU;7)]\]@44;V[CF/0C:YS,*K*>R; PZ((AS(B.YFIYUAFG> M^ZFL^_9B;VS[7\4OVJ%]&WR?[X@"0AT5(2'V^ MRZ%RR+UN+R"H,!,LBG=@1IFQ@L:O _#L")=3GP,9Y##?(P)R5) \DD'H0)8T M39:!7 =@;9V*1)\5&=237K<4D!.$.@(YH$[:,]]B_MT9=KV38X=Z.0@(V// ML0.-(54RBU ,'9B07NGY4EGPBOE]WI,N*,F8(."F[3R;4T$J ^!?0AI()^ MT-E-?QWW;+O.KOO'E=$ W0G [TMKN^/ W?"=;G3G?P!02P,$% @ &(!G M665$KU8: P Z H !@ !X;"]W;W)K? V\SC$YPRWC3R(!D.@Y!9D8&8F4ZX%IBBB!%(L.6T.F[BP93[%44[XR MQ9H#CHNDE]J.97EFBDEFA,/BVHR'0Y9+2C*8<23R-,7\]RU0MAT9MO%RX9ZL M$]DOF.%PC5"0:]T@QW*\EO3)\? 2O>78HW536:]_[=\I M]-Q+_+>Y+&6]=EE]^ 9BC2,8&>IT"> ;,,(/[VS?^M3F^3^)[>R 6^^ >TP] M'%-UE NSZER@*J0JXAPC(!B\HM&U&N8)?K*#_.#:A M8_4":VANFBY;HKI^X- =1. A>C>\=Q9^I8P^BERJ!@T8JV/9>\0G@G: NS5P]ZW \T0=,X'&N4P8)W\@;@,OU;L-IJZE M/WOH)\-VX/T:WK\0_DZ(O!W9 MCT7L,/=]YMJ15K>B+4_5^JX G% M5$2>*N7!=_,9\ (VH'MU[#M]\">5W[MA.XP1Y[:Z33]7S//0#?>'/;%\"? M*.Q*^QP'+9&>ZWF!V]]S8#;:$-T#?L\-\3*!*"Q5JM4)E 8OVZIR(MFZZ$P6 M3*H^IQ@FJA4%K@/4_25C\F6BFYVZN0W_ E!+ P04 " 8@&=9R,*,"H(% M "C%0 & 'AL+W=OLK27-U.=EKO;Z93M=Z)C*MKN1,J499.*<;!-.-)/EG,JV?^Q@+MIZR5.,I&K1..H$)O;R5MRLZ2!:5!9)F(M1W5RC4PH*RF_F)O[^':"#9% (Q5H;%QQ^M#Q+F(ITM1X HZOC=-)VZ=I>'I]]/YS M%3P$L^)*+&7Z5Q+KW>TDFJ!8;'B9ZD_R\5?1!.0;?VN9JNH_>FQL\02M2Z5E MUC0&@BS)ZU_^U"3BI 'XL3>@30/:,\!&&GA-Z*M":KPGK'-5_," F("F,- MWLQ%E9NJ-423Y&88'W0!;Q-HIQ=+F<0:#[?"TS@2Y^DTI=HHO/.2 C.!!I=HBOT^>$=NOC^.B]S/5.H9^)SYO/X68VL#H,; [ZG3X(/;7R,-O$,6467B6_[VY MY\#QVCQ[E3_O?\BS+;MU[\S>NZD%-VK/U^)V ATH41S$9/'#=R3 /]I2\TK. MSA+%VD0QE_?%)W$0>2G>H%QH6Z!UZZ!J;6K481$QC+V(S*>'TQ@L=C@,*8M: MNS,\O\7SG7A+J;09*L53H6Q\=7/ I%?_F8^[?%9[$+F^XS:^8*6+W#R_5+ M;$'[0FX2:_]"0;K =U M8Z,,7W,VOY*SLWBC-M(.1P/H$\0[1NT%3E$GB*>QXC'4,@3I4TF#L(6?S3(MOD=# [$=>;Y2&=C0(" E&)OFLI9XYJ3^ ^L(4BLNU!D\@-;O38VRD;Y-5*A!72FCK$FU\ MGJ5WYH=A(.VV-&(T)",4)]H+G%2FXJ. #A.U%Y")3'DD&]8&_JYFB'B:YF, MIKQQ? HH51LP+^_1#,SP"3CMPZ@3_0VI#.UC$5DPZG!J4$CH$'1IZ?D0].C*+ M2:>YQ*E4)J4FA8Q;(;U!WU?$"X,(1WU*FR7U<4!'*C;I%(\P=U'4.U' U*WE MOLGII;4P$J=X? FME?"UOYW%W4DK<6GJ?:P%_]7$:C6H^&8KE%6$S+\#]0;(8 M^B%4Q)$AZE25N&75/D3CP$/YO(KP% 6+78^P]X(;2>RQ*EIQV5:,;^8VW"(M2CWLX0&KQ="G%(^MTDXBB5LCJVJX$K E% <<,:_XT4E2&BG<%\S$DN\!8[7T M,(V\L2K8J2-QR^-]"VFJ]B$Q6UHK[%#UB!]X YD9FH$A M1^L>'4H;Y)%2^ 3MT5DM/09E? RPDT'JED'8A\,N.X=M;E&(?/V,X(LH5VDM MYCS^&W:_8QI(A^(&NNS/6)]^: =%>W32TDX)J5L)S[=JHVFF@UT(),\GQ.^O M+JLE"T(_8B.HG0I2MPI6ZPN4$,&LS2"S:L=AI5VLN$K6UKUDXR\\9<'7>)#; ME\S.>3LYI.X=X(L? TB[52.NE5N)/UQDI9CF_G&XXL#\)+9.7$G=M0M=M\Z ,Y0A@HW M-@062_L03$^.NS)1;*M30 7Y+7-=Q"U3]N3QK?5^5KO^1VY6=;GA9V;^OCR M/2^V2:Y0*C;@$E^'@%74)X+UC9; [ZE!M);66676Y$SP6A3& JQLI?'&=-"> MRF^!5!+ P04 " 8@&=91IV>#?X& "_*0 & 'AL+W=O5;4E[,U MYYOWBT4=KUE.ZW?EAA7BE_NRRBD7I]7#HMY4C"9M4)XMD&4YBYRFQ6QYT7YW M72TORBW/TH)=5Z#>YCFMGC^RK'RZG,'9RQS*_@^0FX3T"(^I^RI/C@&S5"^E.77YN13KLDA$G; $B*.ZS-*$@_(>K-:T>& U2 OQ0QE_79=9PJKZ-Q!^VZ;\&;R^*^@V247@&S ' M=[/WKFXL%%_UK6EG$75\^[OJ"1OKR3\EII@A;Z<-N&!T5Q]M\F[5#"=A]&J=EUURCED6HA[V18'V18%: M6C)"^Y%FM(C96U"O:27R3CGX8UN\ )AZ"Y"%L"JU6L;F^OB^WM"87<[$H&M6 M/;+9\M4OT+$^J!)NDBPP21::)(MV9'9+UMP"'I?8Q82XV+]8/"RKA_?YPZ?E MC^;EMN GY6_'Z!SVQ?9M)/[V?=GE1@;.D>5ZV$'(/X8&,A01Y%F>Z\)C9"@C M'YIJ5MPPI$)3R,> M7NOV : Y_;,XSM-$-P&TC9T[4R2!2;)0I-DD2?EW8,.M-1Y]?=Y]*N:-#4]: M\R&8>+ZP]-)U448*'^U#UW,L>UCJ,A81C* 8J#1E*/(B1= 4@"BO=Z#:B M6F_%H-Z+3:P=$:5J6LJSB]\D6V"4+33*%D'94F(?V<0A>"2- O6V$>M\XL82D M3J/L=K %?=]QI.*7D7,$;8]@>WC7#Q181&Q(Q/.!5/PRU+9\7UI&ZG".I-N(M:KTQ@Q/.[=7DO2T9T\ DVR!4;,0*%L$95OI(3QBKV%O&Z'>-_[H>A*4W0ZT ML(N&U2_#I(<]%!/RI0><2::H@QQYB3&!>O\%]0;,X*J2OJ6S2]\D6V"4+33* M%D'91;H6MD9V#E#O$I'>)1I<7$*3?FTU#0D4D+D8Z6 F3!-%'<0Y5FQ&K]X= M(KT[-+S&I& M[TTDVR!4;;0*%N9>+7-^VQ_)[L!6JM[6&UYJ08LV/03Q\ ME%DI<-+$4%!!SW;0<&I,NV DNV"AWLCC$.J-,-(;8;,K3DBV>G\A1%IQ4N D MZ4ZC"J>I(BWD6+? >>2*\ R)%2>DL(HNM'TR%$G&22)-0L(36XNT5,8]O3(G>JZ$3O9IZO4Q[U'24 M9]]GC&[G&64+C;)%2.%Q?0/"*]>9Q8;U*G4=XU0SX15SJ!%UN! MG#!%KO7*%\M7M; <'?"RTW[=MN7DO,R;P_7C":L:@#B]_NRY"\GS0MS^W&PO=V]R:W-H965T M&ULK5IM]LX$OXKA.^P:(&Z%E_TEDT"\)&D75V#W+FBV>Y\9 MF;;%2J*7HIWD?OT-*4>R18I)@'Q)]# (+.2]N8:,M5ZT6Z5X$L[]*K6)(J21BW+LA9-6\H&*;&ZF%WALQMF!UB)OTKQT!Y=(V/*O90_SPB0'T,(!:0SMDUJPO7//+*<5O"UA MG+Z\DM.@$?'YY.GX!)O1VD&<[MKDE0X9W8? D8T^H1(1)@'S\WKA], '-I/*[7ZZ-2TFAE;V1E;*5DC"#O%==FL M.[\M=2G:,]^T=6J97ZV)Z;-VRPMQ,8.@;87:B]GE+__ 2?2KS^9W4G8R ZR? M 1;2?OEO2$&5;%N?D=W(Q(XT>69_.<<)(2F+SQ?[8P-\@I01FB:]X FXN <7 M!\%]$6!Q4?(NDS1+Q&NI=/D_^\"'N%,7'P')LSQ.R BO*Y9A&L<3:),>;1)$ M^ZW1 A9(=ZYT#-4$9R5Y@\]VW?&F$*B0K?;.>>) 8W%&Z<@ 5RKR8T][[&D0 M^^_@ @B +LMV*UM>&<;9<)!/]F9%W_ORJW)-#[0J0,GS1A-!Z!=]0G060\Z M"X*^T[+J.3?LL(0)K8$RV\-T-Z@U[R">S7W["7V_^]&B7WB]_14NK^!!([R6 M9 Y&DC"6CAW>(\:BZ$CLQ)Z\MR5\D#*\]G! M="5P[H>(HX&(HB#(FPUOU@*5S5&RK 2L >(%(C(>$M5\ONRLNG32SJ1 VQ. MXC3-1_@]+-43>E# D7.Y6K5(2\0KH (3GU[0V 6# MTW0\YQZQ"3?'9,!+7LB#*Z' '9#FCQ,S2IROQG&_*IN^E[70R!C[%84+]4_EQ)1R)TIRX"_1+GGJY7?IY@G M$)(TCYQ(< 4QS7- /;%X \7B,,?^1V\$))L=^%>C#ZOFA>J2)B9 K@Y25VY. MTBBC$T '=L4OT6L7M%,YQ>5$F,HHQ^/<[1'$C.5I-@%PH% G;2+7\R'MJ56$6A M=N+E%.Y2X#Q/$IHX.<1%.>.[E#M.E*5T+4\!_V)D*H&P^FI)E7T*G M>2#E*DPYXYK7H8\7?2FHE2%QSB]W MM&Y-3MGBQ=_ "Q)@L0))>_ M4Q.S>ASK)YM2D93.)* KV.X X8$\F M.21)BU[YA,H@5]:B;I'9QOG(Q<=\BCB9OO@MB1W>A%E%?*"]?\ -WS]<61L)S M5T+.&I7AGX/*I-4A_)<2Y-FQB+=S63:X: B,&Y" MGC:8"9AUZ&E,BIRBKAUVA,.>Q)CV%?[P-DG@TO$4>#0O4D;I7V,CCXQN?*%Y MML?:]GA_LP@*!XNA2$>9C=$?Q\3DA8^52^D"Y3YE&OOS :$DC_V>?9^<%&\M MM]SL]-#@;&!QNJ2DCH.4$H7B#.54_+^1T@N8H5X;,S!JV[],M=%KK'HI0U29VQP\9C;NB[$;H[IB# MV_C8/66R=X'$:%VG:W(0*8!\EQRLPTW*E] =^[Y&O]!^K4&&4,K+)V.?WHY M$CY?C?-+=$VZCBY=Q.4V/5:8O^39 =_Y8.I?>(/A_Y/Y/U!+ P04 " 8 M@&=9%D^HI=8" #?!@ & 'AL+W=OZ[[W-R7V8[8QJC%8ZVTFT>5]\U%'+NLPAK2BJ59PFR5E<@]318A9B* [N8F=8KJ7%EA6OK&NS3$I79S:.3:!^XDV7E M.1 O9@V4N$9_WZPL[>(!)9-%A:+>?1Y4\3*C7/@5NRYWDD8B:YTW=5],#&JINW]X[._AH. \ M>:4@[0O2P+MK%%A^ 0^+F34[83F;T'@1I(9J(B7$M!5QC,Q:39"32))T>P9L,BB TY6PN7 ,9SB.:"X=V MB]'BXX>3L^3S$;K3@>[T&/I[Z!X'3,?B#4SQHZ6Q(X=(/%,#A"!0NP)%U M-#$,3N2M92Q?,0MLP$(8<<.'PC- >A,@A)K M3P%NZ0@,2&M1D&$(J)FN(]]IC/6=1&[V/N3 GFZ@;D _,6]-M^7H0;19=40D M79G*15:!+G%/H&A]2UK ,%N0"C8*1V)7R:P:A=K6ZE&/ M*(D':62X?W0RAURZ3!F65J%%JCTOOF MPW3JLIJZ2:F(8V5PMA:>CS:]=0UEF0>#M75=#&;G4QKJ?3H\CR\N[.7YZ;U ME=)T9X5KZUK:[3559Q,QFH^Z%[^I=>GYQ?3RO)%KNB?_W^;.XFG:2\E53=HI MHX6EXF)T-?]P?<3[PX;? %6W_.^D_!]_ARTHZNC'5'RKWY<7H;"1R*F1;^=_,YA=*_ARS MO,Q4+OP5F[AW>3(26>N\J=-A6% K'?_+IQ2'P8&SV2L%NG (M@=%04K;Z67 ME^?6; (3EW9#&/X*KX32,4YJ3BCB[=,L";V.0A>O"%V*+T;[THF?=$[Y_ODI#.RM7'167B_>%'A/ MS40L9V.QF"V.WI"W[+U>!GG+_Z_74>C1RT*Y?#ZX1F9T,4)].+*/-+K_KOY MR>SC&R8?]28? O27]WYK\MM#E1/P-N>*3%K^VU9:COQP+7Y*X,7A2]19%A=.6 MQ>%KK6JF] M\$[O69B4J45RM+1$8PHM<>A@A';L033T.8%F*]VQN MTC7T%=5"G=*)N).P'6<'OO'B_/2C$VMDRI?">8LCZZU0CDU3.?2J B%H&FL: MJ[H3-,8ZUL-%7#1E]*#E-HJ%Z1+J3-L:*W]D)YN:JH$^U+:]IU&:,,9[0OT M48,Z2J%@C=R1YQ9Y>/3U^_=6%AURJ52;;'[0R"_8_PWG4VL,!LEW8&OLJP MC(XA;JE!9$.*H.J6"M Y];INS6VO"Q(0X,P;Z\9XJ&NR[%0R-P<36GZ,E$B\ MB5>,57 1[PF1:X*>6NJV@*#68E>OZNM/7UROBRWK3VIT#KB4MYG?.=DG/S.6 MV)R&/.DL)#^G1_2RILM$/,M/T;8^_+RX%WF6!15_D%A1I2 E(N1 I6SD2E41 M0Q+JD=JU!KPW"EAA!/50! X+ [7" [!""C(2\NR%UK B&: Z("5@4S\LN6M5T M58S:064HG54MNH5X-T>?JRK>#"QGTI5CO!L?'_&L]F,%3$)X Q;BH!G#[R^ M6Y4. P:65E(_(%Q MP4$%AYC@> MW*">PA;8]VXQ.>T*;+S+4)A84 >/LFJ9=ER7FT/^+*'AY?U8]C*8KO:) MD=7)>%U#;]XZY?;GS31UJ1 W+]'R(KNR6R(PMF0V>,0KX#6ZH#ZE]'IYY3?I;LF),X?:W M_ .?7T<4Z^]R&1KD03;CI- 5'"Y0(D0K1:%U7>6FT0]9A6(P9M[0TYJ4V;RE@ M%::Q&X2B#F #&XFBY2$QUGE1F4VR=VU,O@%!!@"OM?J+XA#NT=I7;1S<=^9P M9WGBF'//WVITHZYZNX*I<2 /'R=@0&QY:51ZI@]*>E&QH:-Z),:&]' .DJ=> M/C&%-<;1_H3'&Y@:4'*II1QB:;$\BU!1>GC?0*=U7$(X$,/V[FS9DWHO-F]M M%WS<68A$'> YQ/?\0TI9!NL<1>$'M/>WN.M^.X'"-G;44LD?A5 ZGV(\WG\V M#K-2DLAW7 &)M6!X>8Y] LH]H>MQ3\+$AUDD3N@R!\!4F*@A=3/),T[&PO=V]R:W-H965T.E&5[=0(4V(?$^L&[>W?W M[I&ZVECWZ&NB()X;;?SUJ ZAO9Q,?%E3(_W8MF3P9F5= (P-NW7KB6T>RBD:- MGA1Y?C9II#*CFZOX[,[=7-DN:&7HS@G?-8UT+[>D[>9Z-!UM'JRK=1WXP>3F MJI5K>]#P=WOG<#<9O%2](>.5-<+1ZGKT?GIY.^?U<<$711N_=RTXDZ6UXOSS ML;H>Y0R(-)6!/4C\/-$"TIH= <8_O<_1$)(-]Z^WWG^/N2.7I?3TP>JOJ@KU M]6@Q$A6M9*?#O=W\07T^1^ROM-K'_V*3UDYG(U%V/MBF-P:"1IGT*Y [.NP9 M+/)7#(K>Ĥ(BX4Z" (\E<9Y,V5LQOA>#6\\45,-5H#G#+S-_P-QLRFT5_LQ_/+!G.CQOR&%SZ5I9T/0+//;DG&MW_/T+/_E#5CS M =;\+>]OP7K3\#BL^5CT#L6=LU57AN^*PGI\ >VF&X%]G>.G+ K8=N@2JE% M:9O6&C+!"VDJ48. Y-YIF&LAO=FJ17Y3^A3ZJY29BT0MU1Q'!NKT76QUEB(MQ2TL59D\PZ)_RUXK)1MKJG>(;O!(F94#]NH(B*RNMZ%FE/U;3!T<2^U%YV$4 M+"!PEM3_GJH> 45=MIK!::QW#,V5?DU=ID^$5&MLWV'Y'UX'QP:MG!()6B M[.H@NJ"T^L9ED-63.5>$CO'J4JV)-CYB +@(^HG59$@LT97^2[C#BHLC'%: M DX)# (O!W">:L[EC0?GTI6#!).FC4-[?7 Y!X)>CWP07DX M=)! 1',*KY5^$2MG&Y20A)>:WB#'K@X[A_=4VK5145SW@JS)D),:SEU:\ T1 M.S@3 1C]*K!&PA'@XJ_?9Q3"<\H\IHJ.-=)6/F#;PZ&N%%N)NZ#QR'VH(9B2Q MQ$*XA PJV6"OZS,,V#1%4 &E1W#&MK86 M.7?M]KZU"CG P9':'11COP!C\8!BM9&J/-CXI_DF8HJBD(H>Y[$OB83]/-CXI MPIXY19TQ7+[474-Q%7,%$>5S3UYI7H17C=*<.Q/?,V4!XT-$A+U>M/(ETACC MW"0(:R04TDP/P+.XP6*NC"@A$BH(>I*ZBXU*E2X[Y 'E:ZL,#8@N2>* &)1 M))=B P6A 3,8N>,A G0A9=S")!A';M G?B.SPMBU;%4"':4%(4=.9Y+-(0% M;!L#$8%8^GKK+:78LZF*? >\BJWKIX"INC=UNC,;BU^]<2R].9M/S+,_S6.R3 M\^(TW<39P*X9,)E(9+MUQE5_=H:&)QG+"E,<8/1+DC[E#T@@R])UN-1*+B%S M@05OX 8V>,- MX<&Q6E62^[:4.F82CQYHSE\R%@N0[K:U!='7M/P::>Y[A[5>*=[\ "J7YC5/>'T'C8H_>57:X= M42(-ASR^1;A]D?&U=>$=CQ)[-C)M:!L5ZO^2:BA>@B7329CEY-7$$SU>D1LV MBWBK=]%M11JFT=ZB5LYW:JBN99=&7W"+)EN]9?[@XR^P>8)U0 < X/-7O\ /P&;C3UAYUC MO=[MK\N7PZ@#(T.-#L!3/'X3'[]?DP%P"V(Z,PC2;79QF%Z=345P467%>B,\V8"RW/3\1BVR> MY]EL,8W7^?EY5LP7XMC1?;+WW00>KN/7(>\#.#BD3ZCAZ? !^CY]=^V6IZ_7 M3]([K!>:5C#-Q^>G(\A1_"),-&\\2L,Y ;IXV6-CVARO #O5]:&[0T'&#[+ M;_X%4$L#!!0 (!B 9UF7A>QNT@(#,& 9 >&PO=V]R:W-H965T MB;=*DJMW+9PTT[;_7V:0TE=I,VA>X.]_S^+G#/A9[;7[%M'!72>574:M<_UYDMBZ MQ8[;B>Y1T;_$&W8_^RI"7C*R-Z%!9H148W"RCB^S\ MLO#Y(>&GP+T]LL%7LM;ZMW>^-,LH]8)08NT\ Z?7+;Y'*3T1R?ASX(S&+3WP MV'Y@_Q1JIUK6W.)[+7^)QK7+J[Q@P0W?27>MJY_Q4,_4\]5:VO"$_9";Y1'4 M.^MT=P"3@DZHX]@HJ/S '5\MC-Z#\=G$YHU0:D"3 M.*\'\1[EQAE8%X=SJB[I%Y;01:!>)(T(?3NH#^'(LQ? .7S3RK46/JH&FZ?X MA(2,:MB#FDMVDO &^PGD:0PL9<4)OGRL+@]\^?]5-X*+Y\^.IS;GM>XC.B\ M6S2W&*U>O\K*]-T): <4HK3C%_B]II\'3SAX7N+4.NNUXI"%O0&Q-&J4+7< M-0B.LC9:TC44:GL.U&N'W1K-V'#NX/XZ%WS/9TTAT9P:>$,6#S/9_%EI*= MQUG&XH)5(LN'6T!O=$U6DM9)3&45456GNSI-(O3Z3STXY;+'?I6.*VI?5NOT1Q7%(.BF><3*-N@I'@#_$49,>RY!=Y3 MG7?"D\A[.,LF!5U**<-\"8U?:]<^UUJNFJ?MG3QWAI*CB]RAV89Q9>G;[I0; M[O08'2?BQ3 ('M.'&PO=V]R:W-H965TV,_ MN1VBA^>NU6X5[;SO+^/8U3OLI+LP/6JZV1C:24^JW<:NMRB;,.AK8YXD1=Q) MI:/UC%\5-N=#X9XO>SE%A_0_JG? M6]+B&:51'6JGO :+FU5TE5Y>9\%_=/A+X=X=R1 J>33F4U!^:U91$@AAB[4/ M")*.)[S!M@U 1./S 3.:4X; 8 D%_?U8.]7R*!W>F/9OU?C=*BHC:' CA]9_ M-/M?\5!/'O!JT[KQ%:3+Q<1U(/SICL$$X-.Z>F4SX<^' 64R7<"^"& C[RG M1"/+7Z27ZZ4U> [#!F]"",)8Z1A,YI<.C/'A+MXKB_/K>TOM:_P6D;N#V\Z!Z MZKA?QIZP@T=<'W"N)QS^'1P!=T;[G8-;W6#S;7Q,G&9B_(78-3\+^(#]!8B$ M 4]X=@9/S(6*$4_\[T(GG.PT3AB22]? +&E<138%#^X31^LIE5]Q0:D@XUI:8S=)=PZKV@FR/]! MILK!VW]06O<.Z-D\=N]HY[>#WP>-K[J=U,.&9G&P2F^/)^(@?L75FX_>!]"" '*I%QA:IH#-A697!^\)%J1G>BP$"YS+L59R6F6$(#MCO? HZ&=ZF1# 73)0EO".M9"(1+%UD MI)W+SD#3WG\#:<8JGE++#0L_3G%@GK$gYG[T!QT?+ID.['5>J@]H,VD]9[;. M6_MJ6E:O[H*/OY-VJ[2#%C<4FEPL\@CLM5#8GQ9M^7%V/QM,B',#=? 7G0!@>Z MWQCC7Y208/Z6K?\%4$L#!!0 (!B 9UF1)0BB8@, .<' 9 >&PO M=V]R:W-H965T$.**Z]#?NHV'0LU)8\26ZN^_6C[,1)@#38AWVQ*8I\^%"DJ/E.JA==(1KX MWM1'+YS*F';F>3JOL&'Z3K8H:*>4JF&&EFKKZ58A*WJGIO9"WY]X#>/"6@^,JWE;$*;SEOV1:?T'QK'Q6MO!&E MX T*S:4 A>7"606S=6SM>X, ,..[TB0PVDXV4+W;QL5@XOB6$-;>;&(C#ZO>(] MUK4%(AI_[S&=,:1U/)4/Z]][I3+AFF\E_6?O##5PLD<*+!D76V^RMWON,\G ML7BYK'7_A=U&@U'$O--&-GMG6C=<#'_V?7\.)PZ9_XY#N'<(>]Y#H](E+\RP MY5S)'2AK36A6Z%/MO8D<% [8H3T;1+B<_L_Q-RF+'ZQJ8*."C,$QL^:9&6&F- M1L\]0S&LI9?O\=8#7O@.7@1?I#"5AE]%@<6YOT?<1H+A@> ZO KXA.T=1+X+ MH1_&5_"B,>&HQXO^MX0'O/@RGKTT,]VR'!<.W0J-ZA6=Y4\ !!/_YRMLXY%M M? W]R';U7]E>Q;O,-KV#ZZ<"SQ4JA)W]" EY1=NH@0LP%6EH=.1,J

^*&1U2W'CC,BFV9G]!"+21M'D3)M>U&87M=-1NRH-=<'Y7N"&=+AI')R= MP:4;[9T,7^JF;?_$:.K03IAA#H_:\15;#&PO=V]R:W-H965T8Z.QN,V"#**0VL0>/OCJXHSUD1S/AOHW/0;M6^P?Q';[,M*?ALUW]AQI_CEA?:G,OOVH5UXZG M Y76/MBB$88%A2GCO[YOXM 3.!GM$)@T A.Q.VXD5K[709^?.KM2CE=#&U^(MJR(-XTS)2;D-#F\-Y,+Y=9G:@M07?4_^]"! (S_2!OIRR@]V2$]57_8,BR]M^JW,*-N4/X EG3F3UIS+R;,*;ZD:JNDH49/1Y/ 9?=/.O:GHF_ZD>U'Z<+LT M%\1;7^F4S@9 O"=W1X/ST W\9'X_>/6/;86?;X7/:_]&VYZ5/AJJO0%VT=:7L M7-G:J6'#SI6):X*^5W2/2O:D=)DIFL])ZJ& P.E "G6NPA(/EHY(%3&]Q.E5 M2$Z@8D:NRY#HPL54&:_^TAW".*O=OU1>1[H-CF[1(?K3>JQEAW[XQ\.B%VALG MQZ/7R7CT1KV*M]/1)#F9CG![O;:[I@D1C9%H'*:JBSLJ@P]YPO*->SO+.15>0("S9;4$DLE_&V M;-&=QK:U%WN^U<[XS B_^42MEB9=LHZ\SDC4?RT-B]X&,7R/'_WZR\ED,GKW M=7@[E,OQNU>)K+TA6^7$S\:OWWGUF:IZEIN4S;M:FE(GG6?]5Q]UN#-ZV(OS M!YJYFG$X.9$T3Z/ZG!8(!@)E@H$M+,J$>:/#4GVJ@DGQ]KKTP=6@?-C+Z=R[M7>IRL=3FE;JRPT1]#-E0[34>?+SY=-UZ(*;]@+Z_EU1^,]"Y2^'?G<85T* * M<@O*$%D#K?*>4<[N^-K=F3M3+A0R5NGRH8L. ^J63[<1)*:65;5:QYSW%0_7A MIZHMV5;6*\U8-* DP-KE MJ@+.-HIH[6PB.>F98"64V&(W;8*YVFR&+NA0_8 M_:7-Y454@V :8-ZUSF>(10:[6Y*<^VP\^PA1BSBIM(F4U!5Z0=!.NSJ\H5] M VR'5!G:<"8VP,O(F08!:.RE<&#V=L@\[-_]@@9B.,%$AD:!]'}$)T MFWE,*%2Q/["NKFQDIX8W&KEY'6I'CVA&?$\! &0NHI!'OJS.H=_!/^=U_F33 MW.B9R:6&$R;>;ZAZO-JZ0<,8S-"Y+DO.GF2"%B;2:*&_2TJ7TCU =YXS.E07 M4CH["N#WNJ3N22)8WI4Y(*I?",*(X+T-WA2=2.I2(Z/22;CX-'@VKV/\-/CE4EQB[,ZYY3G9:.R&*-6!:GMV6LLIZ M$ZN@? XJ":H69)'\0e#6!.GMV6LLIZ M$ZN@? XJ":H69)'\0e#6!.3MD1.Z)UF 3V6;!Q#'+;FGB' MPG7T57K1/_U(8EMGS%)+K&:K7H-LF+=G"Q 4GK(P4S"I_;J/=9=CL)1T' M%C %<#3T,[F%GC%G\DM3'+LXI9U>VDC!Q[K4:$DYR22FESJ7 M5- R(>A?%<@C?NBWJZYDVB+BJ)F"Z6H]*OJ^-$@88# "P.CH5=,<'0[#R!>4 M-0C %@*;??2-FB[1C A7?N%!Y7#+.(D6NUVEC7+=]6VM=' (_K7 MA>R02<;J4D:,IYO)<0*4K4/N]< O2\&(Z24:C40.5F07G_0A>0,PPV\4N\'\'Y M9+ND>;$CP=)E0#4&+U U32#6$$\[B*=]B(.-7'3G"9(YIYA6\Q7UB&2FQR\ M'LV%+^)EN<$7U[M$W5Y?=-,POX[/U\>$+=SR0S;TCP>_ZU).!V.. MZ?@DV7&BP!"L(\TRA?#IL(C-28Y6$5.%G7-![('O,T)N ML@T1+Y.L-%3*XD%ES\!*]J.E1M;*9)KR<2>RR63T\IU:VA7/8Y"7T0RVM<[X^0'2R[REM2C-* MOQFJ-3I14KU#AJYQ+FFZM5 $+GO8OUJCI8_]'N@1ZBV,FG1?2N8UGU+BM-?W M'?Q7%W7L#[OB,%3O'\=.IN':,B&,&^7.X&T><(()(6\H#Z-E,PQ[:$Z\5#4 MTH\ZC"J.Q!8FUW-$ZJE%U _DG5/B6) (3H)-Y$L^,?!/2!1*] ;+&SG"1+)_4BQ, MB,AI>Z!K:X6SWJDQW/8M[:#W25,.R SA%A7"48Y?-[NGW;?AB_A)=+T\?EC^ M0[L%*EOE-(?H:/CZ:*!<_%@;;X*MY ,I&D&PA5PN00/D> '>SZT-[0UOT'TQ M/_\ 4$L#!!0 (!B 9UGQ46J;+ H *X: 9 >&PO=V]R:W-H965T M*RXG?T(MD9"(AD04 +2B_?5[+D!25"R[3KO[Q>8#N,]SS[V@SK=*?S&9$)9]*_ +27/0R M:S>G@X%),E%PTU<;4>+-2NF"6]SJ]>Z>W>C+ M#R?,/78B'LW>9&XV[02DEE M(4HC5;)4Z@O=?$@O>B$9)'*16)+ \>]>M7(L\)T$PXVLML>]I(W=ZT;Z>^<[?%ER(ZY5_KM;,7;1F_58*E:\RNVMVOY# MU/Z,25ZBT7. MRK?<\LMSK;9,TVI(HPOGJML-XV1)25E8C;<2^^SEPJKDRQNXE;)K52#5AE.T MS@<6PFG)(*D%O?&"XD<$#=E'5=K,L'=E*M+# _0,8U5H6-Y:]B9\4N!";/AN& M 8O#>/2$O&'KZ=#&)_Y]3[V@T7%!5":G9L,3<=%#'1BA[T7O\N5/T20\>\+, M46OFZ"MSH6

UW:IU4J6JV=;/#ER"5;"9[33=O}\9$II):?HE MW-GWGM\Y?C?=*OUL*D0+KTTMSVLE&ZXI52O]-J MY&4':NJ A6$:-%Q(+Y]V:P\ZGZJ-K87$!PUFTS1<_YUCK;8S+_+V"X]B75FW M$.33EJ]Q@?97^ZI"P:64C0HC5 2.*YFWG5T-4]R2-MNW+FA4X0UEA8Q\#I\X(W6-›.B&3\V7%ZPY$,›!COV6^[WJF7)3=XH^HG4=IJ MYF4›E+CBF]H^JNUWW/4S%!MC5;,#DX)&R/[+7W?W< -#(MPG<+ ;=@G›[^H$[E5VYY/M5]"]l5$YL+NE8[(D3TOTI"ZMI5Q#.YG?R!:55 M6J"!\Y]\6:.YF :6F-U^4.Q8YCT++›XYZ<'(‹[‘QQ95I›X,RCAV]0OZ"7? X4 MI›&/7$]*205IRBCU?D, *38V@5O"!S)-$QV4"W:3%9HEZN$[XL9'XECWR+37H MBUKPVL 9,\2C_W>.*0X]J.(^0G+X(F\'4)"JU6!QE!52@QIEE$4Q[‘/DA!N MA13T$DM8•U6ZDE&<5'‹EX0^R\9BP7=,4X+) H'D":FD4J;@"W<)YY,=IZJ›, MP85+&$O\;))2<@:I/YX009AT\6@4^›%H L0*$VTO:N&%:'MF7+=6^FMO!](UROA310XJ@X›5XY('N3=XG5K6=L9;*DDV[L**YB-H5T/Y* M*;M/W '#I,W_ 5!+ P04 " 8@&=9V0V9H1P# "A!@ &0 'AL+W=O MR+R"/OGON2#Y:[K7Y,'›(#EZZ M5ME5L'.NOPY#6^VP$_9*]ZAHI]&F$XY,LPUM;U#48U#7ACR*\K 34@7KY;CV M:-9+/;A6*GPT8(›N$^,K+,9ZOPBKX+CP46YWSB^$ZV4OMOB$[O?^T9 5SBBU M[%!9J148,%;!37Q]FWK_T›$/B7O[:@Z^DHW6G[WQ2[T*(D\(6ZR<1Q T/,,= MMJT'(AI?#IC!G·('OIX?T=^/M5,M&V'Q3K=_RMKM5D$10(V-&%KW4›]_QD,] MF‹›K=&O'+^PGWR0+H!JLT]TAF!AT4DVC›#GTX55 $7TC@!\"^,A[2G2R_$DX ML5X:O0?CO0G-3\92QV@B)Y4_E"=G:%=2G%L_&CI?X[Z"4#7EU"P,O2-DYW]]!XQUHO]'·0V? M8/XKK?\!4$L#!!0 (!B 9UG=C<{U,P, ,,' 9 >&PO=V]R:W·H M965T\OZ9(3,=N/=SABFMO MPSXJ-IT(M25/DB]W^_6C[-1U #L]HH&O32WTRMD, MTUY[GB[VV#!]5L4M%))U3!#JMIYNE7(RCZHJ,W0)U.O85PXZV5O>U#KI>Q, MS04^*:1=TS#U,8.U/*R.,PEAC86Q\"CP(7__6ZJH"$U__MCIC.N*4-G,HOZ'=[I3+EFF\E?5?O#3[E9,[4&+\%NMI\DH<_\)A/3[\"0M›Z_ M MA&:%/M4^FLAQ82_ET2A:Y11GUK]+61YX70,3)=P+P\2.,VN$&ZW1:.+AX8J3I MRZ5G:#,,XA5'X,T_'+X!',$'*'PV^BQ/(TWB.2(/]PA›DF/ OXB.T51+X+MH1_&9 "B,?.HQXO^5^9S"0]$\3R›[9YKW;(\"5PZUAT;U!9WU3S\$]?_+&:,Q MR#8^A[Y^I&XL,Z(G*[@O41A›1YWG#9XU55\·[AFJ@K^1*7T)= 4& MFRVJ\1[@72?P5,OM"Y,6%=,,=IW›\U9#X,//$"3P(T1N%H1NY/LG\I-B)8+& M0MF:RZVS#[$,›+#):CB=2[TC#XWGB%2:I&P?Y1-JPXKF6.P@@3B,W"9/Q_R0-MJX&_'AH;RIQXI.'"3›)L*KY'K6EL%%W3439TVJR1RO!_^\S@8N%&‹›PF›0R7 M‹)&[BRQW81*[BS3JY33QW2Q:P)D.2<8.2,ZO1CY6,ZU_MUYE.D3,)8.Y8SFXQ7RQW7!›4\#+H6N"'=9+!2M6›_ZYT_#(3MAAAD[6L<7ZF88S*_NP_/V@:D=%QIJK"C4O\KHH·7F9 R*D6T_MIK?24_UXIY›6536@=8K*›^**V;B+1_ M4C&O@MS(&N:]9ZY<%X_0O)].?(,AK'*7KYS›=VZY"=\3V;X (M-!>3;@CC(G^?'UW3[-F?H MPW[6›S]V\KA2 ._NCV#U#=1S4 T5V$_00B)R;6%H\'XH:!IG*(4^2,$_(P MFVKB,YJPE'!.@R3&K2›[):C A9\(RGU&'J7)*C3C(D2[R$HAHPRE,T6,N/B&MYXO8DHVMX=020&FG[90[/$4C[\[?H'B\T^DZ0LH9·.3]M74'FI ›-9SBZ;9:_D M"J3)/2(\"K%!C%/+G?O?D^H]- V]M$D4!7K3M"#YDG$3#D/B41XSZ 2=LF!!? M^#0*&?&'$?E598W_=.'A/O\R]%?8$LPUL$_K7@1AU!$;DD-UF3(]U#X2&! M+Z"T[B]X0N,TQ%.+*A5'YCWM'O&0)JEM3'^8QIB'_RX/X5H_L1T]#/.W!BU. MRZ&›><&KQ=B9)G+1%R",8QJRM V RR&s26(·1/X1O)U[K/-A@$WS\QT3(1+ MFDYJN›JP MS2-RH;J7@Q\@M6-/UV·1%3Q0!OC*HM#N!$B2*;X2&F,3?.1H&$$C\:.;]].H=C!(UJ*4,F#3)Y:8Q[531[78SV;0=1=[4VX'N:Z:6)5:O M@@6:LF&,#*K:(.E=&+EV@\E<&AQSG+C"N1*45<#SA91FO[!NDEU\A]02P,$ M% @ &(!G67Y.7#<[P &0@ !D !X,"]W;W)K&ULI5;,;MLX$/V5@;HH$D"_[K+CV@;B (L-T(L1M\TS+8TL(A*IDE3<M_GV'DJRF7=›,15\L7F,.G,,9#CW?2 6@2T0#7^M*Z(53&M//,$]G)=9,7\@& M!›T44M7,T%3M/-TH9'GG5%=›Z/NI5S,NG.6\DNX8YSRVIN("UPIT6]=,?5MA M)?<+)W .:"W=\5Q[X"WG#=OA!LVG9JUHYHTH..]1.'X%*?6SE4P6R76OC/X·MS'&OGXS!*ME*<^6 GM_G"\2TAK# S%H'1YQ&OL:HL$'X,F Z8TCK^'1\0/^[MTTY:MDSCM:SN›6[*A3-U(,›"M96YD_M_<-#3$XQ .#F''NP_4L7S##%O.E=R#LM:$9@>=U,Z,R%AD[(QBG8Y M^9GE#5."BYV&L[=2ZW-8HX)-R13"V4›VK5"?SSU#<:.RUEPV8JQXS_ UF!.^D M,*6&&V%^C_K.'1_Q&DN&!Y"H\",C!Y@(BWX70#^,3› &

H7O^D.1YDC^8'#9]>'4?57(\+C'Q7$S)PGDTB/N=N_^*OQ=1+K]]XAI% M?Z#HFK6"3BL M6Z>N%@GI5DMF*H6=FHAJ'9=#6J:\MA14;SAB:7*<*KNO-.=
M3[N=/(\M]W)^VKW$KLXF]Q3ML^.DY\W(1_HTD0,.C''K.D/=:8P3!G6H("RD/$^*[Z9Q'6G,$P-M:#]<-M)#TIP'S/>H69MHT! 8-!]N[R"XDB%-+&43#1(R"21M3MEK)T-<8.:' M86
QH'%!X+R^ZT<.ZB)'Z+E=>T)1.-;>-SLAISG3ZD\D_RV,Y2C0>")S)KU:H'7XCCHY5SD>+!U+ @,"PF/&>]V@-?UBZY MR(R%P*K3"]$((? :HQG@/W;5,AEF'=S1"W%" $Y(++NF5&C/Q!'+_6G44 @
MU Q7BF2'&]7QK=L@=SZ-^.+?$C 8/@<\3Z 4'H+'$OQ4,X?'S.EX!PG3R<24A MFC@4)HX!=]"%(7C.21C,F<6'!@^%P6-90AD]#!':C&1;,/8N'WJ9@&;,?Z/N" M!6;,?]\9"P+F6IY*JE
X02V.'NV0*B]06O,5N.Y.Q;Z%G,ZRZD'}LN 3*TI-MCG8JRRL@C68/?8UU -4A3N$0'ZG@#!W'O_NM@/[M[3L.*VH4@]Y@DPO7L@E"-M=8I3>%$PZO3XBWW4W^O]*:HCG,(1/FI,_ZH?
M3=YZXKJ.*=PM(_.,V3AN-%& ML]I:ZMWHN652,0T$!@-A\B-YTRP5QGRVBP$S?'OC5_9]N!.,4 8D@#8@$6T\!B]+3DM:\)1B.8O79Q>PHUU138BU?FGH_8U!-F)
M$+3.'TYI8PFP'#N60/!H#1J/{$0\6FLPSVQC';ID>*S#*MY;A]$YD,RX>ZG/G M4CC$+2>A2+MFC@4)HX!=]"%(7C.21C,F<6'!@^%P6-90AD]#!':C&1;,/8N'WJ9@&;,?Z/N" M!6;,?]\9"P+F6IY*JE
X02V.'NV0*B]06O,5N.Y.Q;Z%G,ZRZD'}LN 3*TI-MCG8JRRL@C68/?8UU -4A3N$0'ZG@#!W'O_NM@/[M[3L.*VH4@]Y@DPO7L@E"-M=8I3>%$PZO3XBWW4W^O]*:HCG,(1/FI,_ZH?
M3=YZXKJ.*=PM(.,V3AN-%& ML]I:ZMWHN652,0T$!@-A\B-YTRP5QGRVBP$S?'OC5_9]N!.,4 8D@#8@$6T\!B]+3DM:\)1B.8O79Q>PHUU138BU?FGH_8U!-F)
M$+3.'TYI8PFP'#N60/!H#1J/{$0\6FLPSVQC';ID>*S#*MY;A]$YD,RX>ZG/G M4CC$+2>A2+MFC@4)HX!=]"%(7C.21C,F<6'!@^%P6-90AD]#!':C&1;,/8N'WJ9@&;,?Z/N" M!6;,?]\9"P+F6IY*JE
X02V.'NV0*B]06O,5N.Y.Q;Z%G,ZRZD'}LN 3*TI-MCG8JRRL@C68/?8UU -4A3N$0'ZG@#!W'O_NM@/[M[3L.*VH4@]Y@DPO7L@E"-M=8I3>%$PZO3XBWW4W^O]*:HCG,(1/FI,_ZH?
M3=YZXKJ.*=PM(.,V3AN-%& ML]I:ZMWHN652,0T$!@-A\B-YTRP5QGRVBP$S?'OC5_9]N!.,4 8D@#8@$6T\!B]+3DM:\)1B.8O79Q>PHUU138BU?FGH_8U!-F)
M$+3.'TYI8PFP'#N60/!H#1J/{$0\6FLPSVQC';ID>*S#*MY;A]$YD,RX>ZG/G M4CC$+2>A2+MFC@4)HX!=]"%(7C.21C,F<6'!@^%P6-90AD]#!':C&1;,/8N'WJ9@&;,?Z/N" M!6;,?]\9"P+F6IY*JE
X02V.'NV0*B]06O,5N.Y.Q;Z%G,ZRZD'}LN 3*TI-MCG8JRRL@C68/?8UU -4A3N$0'ZG@#!W'O_NM@/[M[3L.*VH4@]Y@DPO7L@E"-M=8I3>%$PZO3XBWW4W^O]*:HCG,(1/FI,_ZH?
M3=YZXKJ.*=PM(_.

^>\M3$TT2EQFXGL#@;;G/;3)<\7EXXNC,-FU31<6616C MNV L%!6U)N3649=&EM:W]J9'OV+.%&NS(B9FLSDK;!>IB]/8U\BN+F]H:39- MG-SNTNM0VVZ1>6I"-KG>3^RS%IEQKJD+$],XVW;EEY3I6T*>5@YS0E6[<)(F M9.S;A'[DYX"W=?=;\KXN:?)@?+PS;9K%=@T+\;6AD(^7^*9'NUS6!96VV+1I M21Z<)U.&BBBV3;XO>C*>'-,.T_[*C\X?RHP%IID/WKJ03LS3X7'O1]*OGKI4 MB'RLQS_Q(S&5/OK[J#_MDLI?9J?M?;9^/9Q'8,/M^#W^?,8?]0_L0X#T(4'Z M4"!]:) ^YB!]G(+T<0;2QSE('WR&T@B*J!R%5(YB*D=!E:.HRE%8Y2BN&UL4$L! A0#% @ &(!G6ASO M*P(!$ (!KP &1O8U!R;W!S+V-O&UL4$L! A0# M% @ &(!G69E7L.\% "I'P & M @($." >&PO=V]R:W-H965T&UL4$L! A0# M% @ &(!G6=H%(]&PO=V]R:W-H965T&UL4$L! A0#% @ &(!G64:=G@W^ M!@ ORD !@ ("!FAX 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ &(!G619/J*76 @ WP8 !@ M ("!=C, 'AL+W=O @ %\5 8 " @8(V !X;"]W;W)K&PO=V]R:W-H965TQNT@(#,& 9 " @&UL4$L! A0#% @ &(!G6;N\@/P= P MUP8 !D ("!U4@ 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ &(!G6?%1:ILL"@ KAH !D M ("!R%@ 'AL+W=O&PO=V]R:W-H M965T&UL4$L! M A0#% @ &(!G6=1>SMK6!P &Q0 !D ("!'7('AL M+W=O@ >&PO=V]R:W-H965T&UL4$L! 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'AL+U]R96QS+W=O<&5S72YX;6Q02P4& $, 0P!,$@)R XML 72 Show.js IDEA: XBRL DOCUMENT // Edgar(tm) Renderer was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not subject to domestic copyright protection. 17 U.S.C. 105. var Show={};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE'){var ref=((window)?w.document:document).getElementById(r);if(ref){e=ref.cloneNode(!0); e.removeAttribute('id');a.parentNode.appendChild(e)}}if(e)e.style.display='block';Show.LastAR=e};Show.hideAR=function(){Show.LastAR.style.display='none'};Show.toggleNext=function(a){var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var d,p_;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'}e.style.display=d;if(a.textContent){a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}}} XML 73 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /* v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report table.authRefData a { display: block; font-weight: bold; } .report table.authRefData p { margin-top: 0px; } .report table.authRefData .hide { background-color: #2F4497; padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover { background-color: #2F4497; } .report table.authRefData .body { height: 150px; overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited { color: black; text-decoration: none; } /* table */ .report { background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr { border: 1px solid #acf; } /* Top labels */ .report th { background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.void { background-color: transparent; color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl { text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space: normal; /* word-wrap: break-word; */ } .report td.pl a.a { cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a { width: 200px; } .report td.pl a:hover { background-color: #ffc; } /* Header rows... */ .report tr.rh { background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc { background-color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu { background-color: #def; } .report .reu td { border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report .rou { background-color: white; } .report .rou td { border-bottom: 1px solid black; } .report .rou table td, .report .reu table td { border-bottom: 0px solid black; } /* styles for footnote marker */ .report .fn { white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump { text-align: right; white-space: nowrap; } .report .nump { padding-left: 2em; } .report .nump { padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text { text-align: left; white-space: normal; } .report .text .big { margin-bottom: 1em; width: 17em; } .report .text .more { display: none; } .report .text .note { font-style: italic; font-weight: bold; } .report .text .small { width: 10em; } .report sup { font-style: italic; } .report .outerFootnotes { font-size: 1em; } XML 75 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.3 html 139 312 1 false 54 0 false 4 false false R1.htm 000001 - 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": [ "r48", "r680" ] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://lpth.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "label": "Trade accounts receivable, net of allowance of $20,870 and $25,676", "documentation": "Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current." } } }, "auth_ref": [ "r753" ] }, "us-gaap_AccruedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 15.0 } }, "presentation": [ "http://lpth.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "label": "Accrued liabilities", "documentation": "Carrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": [ "r50" ] }, "us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment", "crdr": "credit", "presentation": [ "http://lpth.com/role/PropertyAndEquipmentDetails" ], "lang": { "en-us": { "role": { "negatedLabel": "Less accumulated depreciation and amortization", "label": "[Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment]", "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services." } } }, "auth_ref": [ "r36", "r124", "r525" ] }, "us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 29.0 } }, "presentation": [ "http://lpth.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "label": "Accumulated other comprehensive income", "documentation": "Amount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source." } } }, "auth_ref": [ "r18", "r19", "r67", "r133", "r522", "r547", "r548" ] }, "us-gaap_AccumulatedOtherComprehensiveIncomeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeMember", "presentation": [ "http://lpth.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquityUnaudited" ], "lang": { "en-us": { "role": { "label": "Accumulated other comprehensive loss", "documentation": "Accumulated increase (decrease) in equity from transactions and other events and circumstances from non-owner sources, attributable to the parent. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } }, "auth_ref": [ "r1", "r8", "r19", "r411", "r414", "r448", "r543", "r544", "r731", "r732", "r733", "r743", "r744", "r745", "r746" ] }, "us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife", "presentation": [ "http://lpth.com/role/GoodwillAndIntangibleAssetsDetails" ], "lang": { "en-us": { "role": { "label": "Useful Life", "documentation": "Weighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r266", "r643" ] }, "us-gaap_AcquisitionCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AcquisitionCosts", "crdr": "debit", "presentation": [ "http://lpth.com/role/AcquisitionOfVisimidTechnologiesDetailsNarrative" ], "lang": { "en-us": { "role": { "label": "Purchase price net acquisition cost", "documentation": "Amount of capitalized acquisition cost incurred during period and excluded from amortization for oil- and gas-producing activities accounted for under full cost method. 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Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock." } } }, "auth_ref": [ "r59", "r680", "r863" ] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": [ "http://lpth.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquityUnaudited" ], "lang": { "en-us": { "role": { "label":
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These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r58"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common Stock: Class A, Shares Outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r9", "r58", "r580", "r599", "r865", "r866"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 27.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Common stock: Class A, $.01 par value, voting; 94,500,000 and 44,500,000 shares authorized; 39,612,737 and 39,254,643 shares issued and outstanding", "documentation": "Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r58", "r521", "r680"] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Comprehensive loss", "label": "[Comprehensive Income (Loss), Net of Tax, Attributable to Parent]", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r20", "r139", "r141", "r146", "r513", "r532", "r533"] }, "us-gaap_ComputerEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComputerEquipmentMember", "presentation": ["http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Computer Equipment And Software [Member]", "documentation": "Long lived, depreciable assets that are used in the creation, maintenance and utilization of information systems." } } }, "auth_ref": [] }, "us-gaap_ConstructionInProgressMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConstructionInProgressMember", "presentation": ["http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Construction In Progress [Member]", "documentation": "Structure or a modification to a structure under construction. Includes recently completed structures or modifications to structures that have not been placed into service." } } }, "auth_ref": [] }, "us-gaap_ConversionOfStockSharesIssued1": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConversionOfStockSharesIssued1", "presentation": ["http://lpth.com/role/AcquisitionOfVisimidTechnologiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Shares issued", "documentation": "The number of new shares issued in the conversion of stock in a noncash (or part noncash) transaction. Noncash is defined as transactions during a period that do not result in cash receipts or cash payments in the period. \"Part noncash\" refers to that portion of the transaction not resulting in cash receipts or cash payments in the period." } } }, "auth_ref": ["r27", "r28", "r29"] }, "us-gaap_CostOfRevenue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfRevenue", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_GrossProfit", "weight": -1.0, "order": 3.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "label": "Cost of sales", "documentation": "The aggregate cost of goods produced and sold and services rendered during the reporting period." } } }, "auth_ref": ["r70", "r157", "r246", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", 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the particular debt instrument or borrowing that distinguishes it from other debt instruments or borrowings, including draws against credit facilities." } } }, "auth_ref": ["r16", "r160", "r295", "r296", "r297", "r298", "r299", "r301", "r306", "r307", "r308", "r309", "r311", "r312", "r313", "r314", "r315", "r316", "r655", "r656", "r657", "r658", "r659", "r678", "r739", "r776", "r777", "r778", "r825", "r827"] }, "us-gaap_DebtInstrumentTerm": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentTerm", "presentation": ["http://lpth.com/role/LoansPayableDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Debt term", "documentation": "Period of time between issuance and maturity of debt instrument, in PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [] }, "lpth_DecreaseInAggregateOfferingPrice": { "xbrltype": "monetaryItemType", "nsuri": 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FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY." } } }, "auth_ref": [] }, "dei_DocumentFiscalYearFocus": { "xbrltype": "gYearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": [ "http://lpth.com/role/Cover" ], "lang": { "en-us": { "role": { "label": "Document Fiscal Year Focus", "documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. 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Excludes amounts for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": [ "r423" ] }, "us-gaap_EffectiveIncomeTaxRateContinuingOperations": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperations", "presentation": [ "http://lpth.com/role/IncomeTaxesDetails", "http://lpth.com/role/IncomeTaxesDetailsNarrative" ], "lang": { "en-us": { "role": { "label": "Effective income tax rate", "verboseLabel": "Statutory income tax rate", "documentation": "Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": [ "r377", "r665" ] } }, "us-gaap_EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate", "presentation": [ "http://lpth.com/role/IncomeTaxesDetailsNarrative" ], "lang": { "en-us": { "role": { "label": "U.S. federal and state statutory income tax rate", "documentation": "Percentage of domestic federal statutory tax rate applicable to pretax income (loss)." } } }, "auth_ref": [ "r159", "r377", "r389", "r665" ] }, "us-gaap_EffectiveIncomeTaxRateReconciliationChangeInEnactedTaxRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationChangeInEnactedTaxRate", "presentation": [ "http://lpth.com/role/IncomeTaxesDetailsNarrative" ], "lang": { "en-us": { "role": { "label": "Change in statutory income tax rate", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to changes in the income tax rates." } } }, "auth_ref": [ "r378", "r665", "r741", "r812" ] }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 16.0 } }, "presentation": [ "http://lpth.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "label": "Accrued payroll and benefits", "documentation": "Total of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": [ "r50" ] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized", "crdr": "debit", "presentation": [ "http://lpth.com/role/StockBasedCompensationDetails2" ], "lang": { "en-us": { "role": { "label": "Total unrecognized compensation cost", "documentation": "Amount of cost not yet recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": [ "r369" ] }, "lpth_EmployeeServiceShareBasedCompensationRestrictedStockAward": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "EmployeeServiceShareBasedCompensationRestrictedStockAward", "crdr": "debit", "presentation": 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Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": [ "http://lpth.com/role/Cover" ], "lang": { "en-us": { "role": { "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": [ "http://lpth.com/role/Cover" ], "lang": { "en-us": { "role": { "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": [ "r706" ] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": [ "http://lpth.com/role/Cover" ], "lang": { "en-us": { "role": { "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. 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Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r446"] }, "us-gaap_FinanceLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "June 30, 2029", "label": "[Finance Lease, Liability, to be Paid, Year Four]", "documentation": "Amount of lessee's undiscounted obligation for lease payment for finance lease to be paid in fourth fiscal year following current fiscal year. 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Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r271", "r643", "r654"] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear", "crdr": "debit", "presentation": ["http://lpth.com/role/GoodwillAndIntangibleAssetsDetails1"], "lang": { "en-us": { "role": { "label": "June 30, 2025 (nine months remaining)", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in remainder of current fiscal year." } } }, "auth_ref": ["r867"] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearFour", "crdr": "debit", "presentation": ["http://lpth.com/role/GoodwillAndIntangibleAssetsDetails1"], "lang": { "en-us": { "role": { "label": "June 30, 2029", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. 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Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory." } } }, "auth_ref": ["r258"] }, "us-gaap_InventoryFinishedGoods": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryFinishedGoods", "crdr": "debit", "presentation": ["http://lpth.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Finished goods", "documentation": "Amount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or operating cycle, if longer." } } }, "auth_ref": ["r725"] }, "us-gaap_InventoryNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryNet", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 4.0 } }, 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Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income." } } }, "auth_ref": ["r828"] }, "lpth_LeaseTerm": { "xbrltype": "durationItemType", "nsuri": "http://lpth.com/20240930", "localname": "LeaseTerm", "presentation": ["http://lpth.com/role/LeasesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Lease term" } } }, "auth_ref": [] }, "lpth_LeaseTermAndDiscountRateTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://lpth.com/20240930", "localname": "LeaseTermAndDiscountRateTableTextBlock", "presentation": ["http://lpth.com/role/LeasesTables"], "lang": { "en-us": { "role": { "label": "Schedule of Lease Term And Discount Rate" } } }, "auth_ref": [] }, "us-gaap_LeaseholdImprovementsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseholdImprovementsMember", "presentation": ["http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Leasehold Improvements [Member]", "documentation": "Additions or improvements to assets held under a lease arrangement." } } }, "auth_ref": ["r84", "r447"] }, "us-gaap_LeasesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeasesAbstract", "lang": { "en-us": { "role": { "label": "Leases" } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDue", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "Total future minimum payments", "label": "[Lessee, Operating Lease, Liability, to be Paid]", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease." } } }, "auth_ref": ["r446"] }, "lpth_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "Thereafter", "label": "[Thereafter]" } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "June 30, 2026", "label": "[Lessee, Operating Lease, Liability, to be Paid, Year One]", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r446"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "June 30, 2029", "label": "[Lessee, Operating Lease, Liability, to be Paid, Year Four]", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r446"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearThree", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "June 30, 2028", "label": "[Lessee, Operating Lease, Liability, to be Paid, Year Three]", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r446"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "June 30, 2027", "label": "[Lessee, Operating Lease, Liability, to be Paid, Year Two]", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r446"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "June 30, 2025", "label": "[Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year]", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year." } } }, "auth_ref": ["r829"] }, "us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "negatedLabel": "Less imputed interest", "label": "[Lessee, Operating Lease, Liability, Undiscounted Excess Amount]", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease." } } }, "auth_ref": ["r446"] }, "us-gaap_LesseeOperatingLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeasesTextBlock", "presentation": ["http://lpth.com/role/Leases"], "lang": { "en-us": { "role": { "verboseLabel": "Leases", "label": "Lessee, Operating Leases [Text Block]", "documentation": "The entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability." } } }, "auth_ref": ["r435"] }, "us-gaap_Liabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Liabilities", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 31.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": "Total liabilities", "label": "[Liabilities]", "documentation": "Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others." } } }, "auth_ref": ["r16", "r49", "r50", "r51", "r53", "r54", "r55", "r56", "r157", "r246", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293", "r405", "r408", "r409", "r421", "r579", "r648", "r700", "r782", 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Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r7", "r160", "r312"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearTwo", "crdr": "credit", "presentation": ["http://lpth.com/role/LoansPayableDetails"], "lang": { "en-us": { "role": { "verboseLabel": "June 30, 2027", "label": "[Long-Term Debt, Maturity, Year Two]", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r7", "r160", "r312"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalRemainderOfFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalRemainderOfFiscalYear", "crdr": "credit", "presentation": ["http://lpth.com/role/LoansPayableDetails"], "lang": { "en-us": { "role": { "negatedLabel": "June 30, 2025 (remaining nine months)", "label": "[Long-Term Debt, Maturity, Remainder of Fiscal Year]", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in remainder of current fiscal year." } } }, "auth_ref": ["r742"] }, "us-gaap_LongTermDebtNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtNoncurrent", "crdr": "credit", "presentation": ["http://lpth.com/role/LoansPayableDetails"], "lang": { "en-us": { "role": { "label": "Non-current portion", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation." } } }, "auth_ref": ["r129"] }, "lpth_LongTermDebts": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "LongTermDebts", "crdr": "credit", "presentation": [

"http://lpth.com/role/LoansPayableDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Total Payments", "label": "[Total Payments]" } } }, "auth_ref": [] }, "us-gaap_LongTermLoansPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermLoansPayable", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 25.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Loans payable, less current portion", "documentation": "Carrying value as of the balance sheet date of loans payable (with maturities initially due after one year or beyond the operating cycle if longer), excluding current portion." } } }, "auth_ref": ["r16"] }, "us-gaap_MachineryAndEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MachineryAndEquipmentMember", "presentation": ["http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Manufacturing Equipment [Member]", "documentation": "Tangible personal property used to produce goods and services, including, but is not limited to, tools, dies and molds, computer and office equipment." } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInFinancingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivities", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 27.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net cash provided by (used in) financing activities", "label": "[Net Cash Provided by (Used in) Financing Activities]", "documentation": "Amount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": ["r150"] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Cash flows from financing activities:" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 26.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net cash used in investing activities", "label": "[Net Cash Provided by (Used in) Investing Activities]", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets." } } }, "auth_ref": ["r150"] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Cash flows from investing activities:" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 25.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net cash (used in) provided by operating activities", "label": "[Net Cash Provided by (Used in) Operating Activities]", "documentation": "Amount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities." } } }, "auth_ref": ["r76", "r77", "r78"] }, "us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Cash flows from operating activities:" } } }, "auth_ref": [] }, "us-gaap_NetIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLoss", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight": 1.0, "order": 16.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquityUnaudited", "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited", "http://lpth.com/role/EarningsLossPerShareDetails"], "lang": { "en-us": { "role": { "totalLabel": "Net loss", "label": "[Net Income (Loss) Attributable to Parent]", "verboseLabel": "Net loss", "terseLabel": "Net income (loss)", "documentation": "The portion of profit or loss for the period, net of income taxes, which is attributable to the parent." } } }, "auth_ref": ["r71", "r78", "r102", "r120", "r138", "r140", "r144", "r157", "r164", "r166", "r167", "r168", "r169", "r170", "r173", "r174", "r189", "r246", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293", "r398", "r402", "r419", "r421", "r529", "r602", "r618", "r619", "r698", "r782"] }, "us-gaap_NoncurrentAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NoncurrentAssets", "crdr": "debit", "presentation": ["http://lpth.com/role/ForeignOperationsDetails1"], "lang": { "en-us": { "role": { "verboseLabel": "Assets", "label": "[Long-Lived Assets]", "documentation": "Long-lived assets other than financial instruments, long-term customer relationships of a financial institution, mortgage and other servicing rights, deferred policy acquisition costs, and deferred tax assets." } } }, "auth_ref": ["r212"] }, "lpth_OfferingPrice": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "OfferingPrice", "crdr": "credit", "presentation": ["http://lpth.com/role/LiquidityDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Offering Price" } } }, "auth_ref": [] }, "lpth_OneJanuaryTwoZeroTwentyFourMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "OneJanuaryTwoZeroTwentyFourMember", "presentation": ["http://lpth.com/role/AcquisitionOfVisimidTechnologiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "January 1, 2024 [Member]" } } }, "auth_ref": [] }, "lpth_OneJulyTwoZeroTwentyFourMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "OneJulyTwoZeroTwentyFourMember", "presentation": ["http://lpth.com/role/AcquisitionOfVisimidTechnologiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "July 1, 2024 [Member]" } } }, "auth_ref": [] }, "us-gaap_OperatingExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpenses", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 9.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Total operating expenses", "label": "[Operating Expenses]", "documentation": "Generally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_OperatingExpensesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpensesAbstract", "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "label": "Operating expenses:" } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic", "weight": 1.0, "order": 12.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Operating loss", "label": "[Operating Income (Loss)]", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": ["r105", "r649", "r748", "r749", "r750", "r751", "r752"] }, "us-gaap_OperatingLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseCost", "crdr": "debit", "presentation": ["http://lpth.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "label": "Operating lease cost", "documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability." } } }, "auth_ref": ["r443", "r679"] }, "lpth_OperatingLeaseExpiryYear": { "xbrltype": "stringItemType", "nsuri": "http://lpth.com/20240930", "localname": "OperatingLeaseExpiryYear", "presentation": ["http://lpth.com/role/LeasesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Operating Lease Expiry Year" } } }, "auth_ref": [] }, "lpth_OperatingLeaseLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "OperatingLeaseLiabilitiesCurrent", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails1"], "lang": { "en-us": { "role": { "label": "Operating leases, current" } } }, "auth_ref": [] }, "us-gaap_OperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiability", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "verboseLabel": "Present value of lease liabilities", "label": "[Operating Lease, Liability]", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease." } } }, "auth_ref": ["r438"] }, "us-gaap_OperatingLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrent", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 17.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Operating lease liabilities, current", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as current." } } }, "auth_ref": ["r438"] }, "us-gaap_OperatingLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrent", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 24.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets", "http://lpth.com/role/LeasesDetails1"], "lang": { "en-us": { "role": { "label": "Operating lease liabilities, noncurrent", "verboseLabel": "Operating leases, noncurrent", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent." } } }, "auth_ref": ["r438"] }, "us-gaap_OperatingLeasePaymentsUse": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeasePaymentsUse", "crdr": "credit", "presentation": ["http://lpth.com/role/LeasesDetails1"], "lang": { "en-us": { "role": { "label": "Operating cash used for operating leases", "documentation": "Amount of cash outflow from operating lease to bring another asset to condition and location necessary for its intended use." } } }, "auth_ref": ["r440", "r444"] }, "us-gaap_OperatingLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseRightOfUseAsset", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 8.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets", "http://lpth.com/role/LeasesDetails1"], "lang": { "en-us": { "role": { "label": "Operating lease right-of-use assets", "verboseLabel": "Operating lease assets", "documentation": "Amount of lessee's right to use underlying asset under operating lease." } } }, "auth_ref": ["r437"] }, "us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseWeightedAverageDiscountRatePercent", "presentation": ["http://lpth.com/role/LeasesDetails1"], "lang": { "en-us": { "role": { "label": "Weighted average discount rate, operating leases", "documentation": "Weighted average discount rate for operating lease calculated at point in time." } } }, "auth_ref": ["r445", "r679"] }, "us-gaap_OperatingLeasesFutureMinimumPaymentsDueAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeasesFutureMinimumPaymentsDueAbstract", "presentation": ["http://lpth.com/role/LeasesDetails2"], "lang": { "en-us": { "role": { "label": "Operating Lease - Fiscal Year ending June 30," } } }, "auth_ref": [] }, "us-gaap_OptionIndexedToIssuersEquityEquityAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OptionIndexedToIssuersEquityEquityAxis", "presentation": ["http://lpth.com/role/EarningsLossPerShareDetails1"], "lang": { "en-us": { "role": { "label": "Option Indexed To Issuers Equity Equity Axis", "documentation": "Information by type of options indexed to an issuer's equity." } } }, "auth_ref": ["r37", "r44", "r45", "r95"] }, "us-gaap_OptionIndexedToIssuersEquityTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OptionIndexedToIssuersEquityTypeDomain", "presentation": ["http://lpth.com/role/EarningsLossPerShareDetails1"], "lang": { "en-us": { "role": { "documentation": "Description of the type of freestanding contract issued by a Company that is indexed to, and potentially settled in, a Company's own stock. Specifically, the pertinent rights and privileges of the securities outstanding." } } }, "auth_ref": [] }, "us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract", "lang": { "en-us": { "role": { "label": "Basis of Presentation" } } }, "auth_ref": [] }, "us-gaap_OtherAccruedLiabilitiesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAccruedLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 22.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Accrued liabilities, noncurrent", "documentation": "Amount of expenses incurred but not yet paid classified as other, due after one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r54"] }, "lpth_OtherAsianCountriesMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "OtherAsianCountriesMember", "presentation": ["http://lpth.com/role/ForeignOperationsDetails"], "lang": { "en-us": { "role": { "label": "Other Asian countries" } } }, "auth_ref": [] }, "us-gaap_OtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsCurrent", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Other current assets", "documentation": "Amount of current assets classified as other." } } }, "auth_ref": ["r136", "r680"] }, "us-gaap_OtherAssetsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsNoncurrent", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 12.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Other assets", "documentation": "Amount of noncurrent assets classified as other." } } }, "auth_ref": ["r127"] }, "us-gaap_OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight": 1.0, "order": 17.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "label": "Foreign currency translation adjustment", "documentation": "Amount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature." } } }, "auth_ref": ["r2", "r530"] }, "us-gaap_OtherNonoperatingIncomeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNonoperatingIncomeExpense", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic", "weight": 1.0, "order": 13.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Total other expense, net", "label": "[Other Nonoperating Income (Expense)]", "documentation": "Amount of income (expense) related to nonoperating activities, classified as other." } } }, "auth_ref": ["r74"] }, "us-gaap_OtherNonoperatingIncomeExpenseAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNonoperatingIncomeExpenseAbstract",

"presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "label": "Other income (expense):" } } } }, "auth_ref": [] }, "us-gaap_OtherOperatingIncomeExpenseNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherOperatingIncomeExpenseNet", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_OtherNonoperatingIncomeExpense", "weight": 1.0, "order": 11.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "label": "Other income (expense), net", "documentation": "The net amount of other operating income and expenses, the components of which are not separately disclosed on the income statement, from items that are associated with the entity's normal revenue producing operations." } } }, "auth_ref": [] }, "us-gaap_PaymentsForAdvanceToAffiliate": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsForAdvanceToAffiliate", "crdr": "credit", "presentation": ["http://lpth.com/role/LoansPayableDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Advances", "documentation": "The cash outflow from advancing money to an affiliate (an entity that is related but not strictly controlled by the entity)." } } }, "auth_ref": ["r22"] }, "us-gaap_PaymentsForPreviousAcquisition": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsForPreviousAcquisition", "crdr": "credit", "presentation": ["http://lpth.com/role/AcquisitionOfVisimidTechnologiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Acquisition payment amount at the closing period", "documentation": "Cash outflow representing an adjustment to the purchase price of a previous acquisition." } } }, "auth_ref": ["r734"] }, "us-gaap_PaymentsOfDebtIssuanceCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsOfDebtIssuanceCosts", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 24.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Loan issuance costs", "label": "[Payments of Debt Issuance Costs]", "documentation": "The cash outflow paid to third parties in connection with debt origination, which will be amortized over the remaining maturity period of the associated long-term debt." } } }, "auth_ref": ["r24"] }, "us-gaap_PaymentsToAcquirePropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquirePropertyPlantAndEquipment", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 16.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Purchase of property and equipment", "label": "[Payments to Acquire Property, Plant, and Equipment]", "documentation": "The cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets." } } }, "auth_ref": ["r75"] }, "us-gaap_PlanNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PlanNameAxis", "presentation": ["http://lpth.com/role/GoodwillAndIntangibleAssetsDetails", "http://lpth.com/role/LiquidityDetailsNarrative", "http://lpth.com/role/LoansPayableDetailsNarrative", "http://lpth.com/role/PropertyAndEquipmentDetails", "http://lpth.com/role/StockBasedCompensationDetails2", "http://lpth.com/role/StockBasedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Plan Name [Axis]", "documentation": "Information by plan name for share-based payment arrangement." } } }, "auth_ref": ["r785", "r786", "r787", "r788", "r789", "r790", "r791", "r792", "r793", "r794", "r795", "r796", "r797", "r798", "r799", "r800", "r801", "r802", "r803", "r804", "r805", "r806", "r807", "r808", "r809", "r810"] }, "us-gaap_PlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PlanNameDomain", "presentation": ["http://lpth.com/role/GoodwillAndIntangibleAssetsDetails", "http://lpth.com/role/LiquidityDetailsNarrative", "http://lpth.com/role/LoansPayableDetailsNarrative", "http://lpth.com/role/PropertyAndEquipmentDetails", "http://lpth.com/role/StockBasedCompensationDetails2", "http://lpth.com/role/StockBasedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "Plan name for share-based payment arrangement." } } }, "auth_ref": ["r785", "r786", "r787", "r788", "r789", "r790", "r791", "r792", "r793", "r794", "r795", "r796", "r797", "r798", "r799", "r800", "r801", "r802", "r803", "r804", "r805", "r806", "r807", "r808", "r809", "r810"] }, "us-gaap_PreferredStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockParOrStatedValuePerShare", "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Preferred Stock: Series D, Par Value", "documentation": "Face amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer." } } }, "auth_ref": ["r57", "r322"] }, "us-gaap_PreferredStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesAuthorized", "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Preferred Stock: Series D, Shares Authorized", "documentation": "The maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": ["r57", "r580"] }, "us-gaap_PreferredStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesIssued", "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Preferred Stock: Series D, Shares Issued", "documentation": "Number of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt." } } }, "auth_ref": ["r57", "r322"] }, "us-gaap_PreferredStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesOutstanding", "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Preferred Stock: Series D, Shares Outstanding", "documentation": "Aggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased." } } }, "auth_ref": ["r57", "r580", "r599", "r865", "r866"] }, "us-gaap_PreferredStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockValue", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 26.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Preferred stock: Series D, $.01 par value, voting; 500,000 shares authorized; none issued and outstanding", "documentation": "Aggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r57", "r520", "r680"] }, "us-gaap_PrepaidExpenseAndOtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrent", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Prepaid expenses and deposits", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r730"] }, "us-gaap_PrincipalAmountOutstandingOnLoansSecuritized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrincipalAmountOutstandingOnLoansSecuritized", "crdr": "credit", "presentation": ["http://lpth.com/role/LoansPayableDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Principal amount", "documentation": "This is the principal amount outstanding for securitized loans only (across all types of loans)." } } }, "auth_ref": ["r15"] }, "us-gaap_PrincipalOwnerMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrincipalOwnerMember", "presentation": ["http://lpth.com/role/LoansPayableDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Bridge Note [Member]", "documentation": "Owner of record or known beneficial owner of more than 10 percent of the voting interests of the entity." } } }, "auth_ref": [] }, "us-gaap_ProceedsFromIssuanceOfDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfDebt", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 21.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Borrowings on loans payable", "documentation": "The cash inflow during the period from additional borrowings in aggregate debt. Includes proceeds from short-term and long-term debt." } } }, "auth_ref": ["r735"] }, "us-gaap_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlans": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlans", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 20.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Proceeds from sale of common stock from Employee Stock Purchase Plan", "documentation": "Amount of cash inflow from issuance of shares under share-based payment arrangement. Excludes option exercised." } } }, "auth_ref": ["r3", "r14"] }, "us-gaap_ProceedsFromOtherDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromOtherDebt", "crdr": "debit", "presentation": ["http://lpth.com/role/LoansPayableDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Net proceeds", "documentation": "Amount of cash inflow from debt classified as other." } } }, "auth_ref": ["r23"] }, "lpth_ProceedsFromSaleOfEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "ProceedsFromSaleOfEquipment", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 17.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Proceeds from sale of equipment" } } }, "auth_ref": [] }, "us-gaap_ProceedsFromSaleOfFlightEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSaleOfFlightEquipment", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 18.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Proceeds from sale-leaseback of equipment", "documentation": "Cash received from sales of long-lived depreciable flight assets, including owned aircraft or capital improvements." } } }, "auth_ref": [] }, "srt_ProductOrServiceAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductOrServiceAxis", "presentation": ["http://lpth.com/role/RevenueDetails"], "lang": { "en-us": { "role": { "label": "Product Or Service Axis" } } 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"r618", "r619", "r666", "r667", "r699", "r733", "r782"] }, "lpth_PromissoryNoteMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "PromissoryNoteMember", "presentation": ["http://lpth.com/role/LoansPayableDetails"], "lang": { "en-us": { "role": { "label": "Promissory Note [Member]" } } }, "auth_ref": [] }, "us-gaap_PropertyPlantAndEquipmentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentAbstract", "lang": { "en-us": { "role": { "label": "Property and Equipment" } } }, "auth_ref": [] }, "us-gaap_PropertyPlantAndEquipmentByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentByTypeAxis", "presentation": ["http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Property Plant And Equipment By Type Axis", "documentation": "Information by type of long-lived, physical assets used to produce goods and services and not intended for resale." } } }, "auth_ref": ["r6", "r447"] }, "us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentDisclosureTextBlock", "presentation": ["http://lpth.com/role/PropertyAndEquipment"], "lang": { "en-us": { "role": { "label": "Property And Equipment", "documentation": "The entire disclosure for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections." } } }, "auth_ref": ["r83", "r111", "r114", "r115"] }, "us-gaap_PropertyPlantAndEquipmentGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentGross", "crdr": "debit", "presentation": ["http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Total property and equipment, gross", "documentation": "Amount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r84", "r123", "r526"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 7.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets", "http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Property and equipment, net", "verboseLabel": "Total property and equipment, net", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r6", "r447", "r516", "r526", "r680"] }, "us-gaap_PropertyPlantAndEquipmentTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": ["http://lpth.com/role/PropertyAndEquipmentDetails"], "lang": { "en-us": { "role": { "documentation": "Listing of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Examples include land, buildings, machinery and equipment, and other types of furniture and equipment including, but not limited to, office equipment, furniture and fixtures, and computer equipment and software." } } }, "auth_ref": ["r84", "r447"] }, "us-gaap_ProvisionForOtherCreditLosses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProvisionForOtherCreditLosses", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 7.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "label": "Provision for credit losses", "documentation": "Amount of expense related to credit loss from transactions other than loan and lease transactions." } } }, "auth_ref": ["r4", "r100"] }, "us-gaap_PublicUtilitiesInventoryAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PublicUtilitiesInventoryAxis", "presentation": ["http://lpth.com/role/InventoriesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Public Utilities Inventory Axis", "documentation": "Information by type of inventory held." } } }, "auth_ref": ["r728"] }, "us-gaap_PublicUtilitiesInventoryTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PublicUtilitiesInventoryTypeDomain", "presentation": ["http://lpth.com/role/InventoriesDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "Tangible personal property that is held for sale in the ordinary course of business, in process of production for such sale or is to be currently consumed in the production of goods or services to be available for sale." } } }, "auth_ref": ["r728"] }, "lpth_RelatedExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "RelatedExpenses", "crdr": "debit", "presentation": ["http://lpth.com/role/ContingenciesDetailsNarrative"], "lang": { "en-us": { "role": { "label":

"Related expenses" } } }, "auth_ref": [] }, "us-gaap_RepaymentsOfDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfDebt", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 22.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Payments on loans payable", "label": "[Repayments of Debt]", "documentation": "Amount of cash outflow for short-term and long-term debt. Excludes payment of lease obligation." } } }, "auth_ref": ["r736"] }, "us-gaap_RepaymentsOfDebtAndCapitalLeaseObligations": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfDebtAndCapitalLeaseObligations", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 23.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Repayment of finance lease obligations", "label": "[Repayments of Debt and Lease Obligation]", "documentation": "Amount of cash outflow for short-term and long-term debt and lease obligation." } } }, "auth_ref": [] }, "us-gaap_ResearchAndDevelopmentExpenseExcludingAcquiredInProcessCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseExcludingAcquiredInProcessCost", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "label": "New product development", "documentation": "Amount of expense for research and development. Excludes cost for computer software product to be sold, leased, or otherwise marketed, writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both, and write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity." } } }, "auth_ref": ["r811"] }, "lpth_RestOfWorldMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "RestOfWorldMember", "presentation": ["http://lpth.com/role/ForeignOperationsDetails"], "lang": { "en-us": { "role": { "label": "Rest of world" } } }, "auth_ref": [] }, "lpth_RestrictedStockAwardRSAMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "RestrictedStockAwardRSAMember", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails"], "lang": { "en-us": { "role": { "label": "Restricted Stock Award R S A [Member]" } } }, "auth_ref": [] }, "lpth_RestrictedStockAwardsMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "RestrictedStockAwardsMember", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "label": "Restricted Stock Awards [Member]" } } }, "auth_ref": [] }, "us-gaap_RestrictedStockExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockExpense", "crdr": "debit", "presentation": ["http://lpth.com/role/AcquisitionOfVisimidTechnologiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Restricted stock", "documentation": "Amount of noncash expense for award of restricted stock or unit under share-based payment arrangement." } } }, "auth_ref": ["r5"] }, "lpth_RestrictedStockUnitsMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "RestrictedStockUnitsMember", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "label": "Restricted Stock Units [Member]" } } }, "auth_ref": [] }, "us-gaap_RestrictedStockUnitsRSUMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockUnitsRSUMember", "presentation": ["http://lpth.com/role/EarningsLossPerShareDetails1", "http://lpth.com/role/StockBasedCompensationDetails"], "lang": { "en-us": { "role": { "label": "Restricted Stock Units", "documentation": "Share instrument which is convertible to stock or an equivalent amount of cash, after a specified period of time or when specified performance conditions are met." } } }, "auth_ref": [] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 30.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Accumulated deficit", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r60", "r87", "r523", "r546", "r548", "r554", "r581", "r680"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquityUnaudited"], "lang": { "en-us": { "role": { "label": "Retained Earnings (Accumulated Deficit)", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r119", "r161", "r162", "r163", "r165", "r170", "r172", "r174", "r247", "r248", "r275", "r387", "r388", "r395", "r396", "r397", "r399", "r401", "r402", "r410", "r412", "r413", "r415", "r417", "r434", "r436", "r543", "r545", "r557", "r865"] }, "us-gaap_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "label": "Revenue" } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": ["http://lpth.com/role/Revenue"], "lang": { "en-us": { "role": { "verboseLabel": "Revenue", "label": "Revenue from Contract with Customer [Text Block]", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts." } } }, "auth_ref": ["r117", "r329", "r330", "r331", "r332", "r333", "r334", "r335", "r336", "r337"] }, "us-gaap_Revenues": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Revenues", "crdr": "credit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited", "http://lpth.com/role/ForeignOperationsDetails", "http://lpth.com/role/RevenueDetails"], "lang": { "en-us": { "role": { "label": "Revenue, net", "verboseLabel": "Revenues", "terseLabel": "Revenues", "documentation": "Amount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss)." } } }, "auth_ref": ["r103", "r104", "r145", "r157", "r197", "r202", "r203", "r207", "r209", "r210", "r211", "r213", "r246", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293", "r421", "r515", "r650", "r782"] }, "lpth_RevisedOfferingPrice": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "RevisedOfferingPrice", "crdr": "credit", "presentation": ["http://lpth.com/role/LiquidityDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Revised Offering Price" } } }, "auth_ref": [] }, "lpth_SICPMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "SICPMember", "presentation": ["http://lpth.com/role/StockBasedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "SICP [Member]" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTextBlock", "presentation": ["http://lpth.com/role/EarningsLossPerShareTables"], "lang": { "en-us": { "role": { "label": "Schedule Of Potential Dilutive Shares Were Not Included In The Computation Of Diluted Earnings (loss) Per Common Share", "documentation": "Tabular disclosure of securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) in the future that were not included in the computation of diluted EPS because to do so would increase EPS amounts or decrease loss per share amounts for the period presented, by antidilutive securities." } } }, "auth_ref": ["r31"] }, "us-gaap_ScheduleOfCashFlowSupplementalDisclosuresTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashFlowSupplementalDisclosuresTableTextBlock", "presentation": ["http://lpth.com/role/LeasesTables"], "lang": { "en-us": { "role": { "label": "Supplemental Cash Flow Information", "documentation": "Tabular disclosure of supplemental cash flow information for the periods presented." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock", "presentation": ["http://lpth.com/role/IncomeTaxesTables"], "lang": { "en-us": { "role": { "label": "Schedule of Income Tax Expense And Effective Income Tax Rate", "documentation": "Tabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning-of-the-year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years." } } }, "auth_ref": ["r814"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "presentation": ["http://lpth.com/role/StockBasedCompensationTables"], "lang": { "en-us": { "role": { "label": "Schedule Of Stock-based Compensation Expense", "documentation": "Tabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement." } } }, "auth_ref": ["r38"] }, "us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock", "presentation": ["http://lpth.com/role/GoodwillAndIntangibleAssetsTables"], "lang": { "en-us": { "role": { "label": "Schedule of Identified Intangible Assets", "documentation": "Tabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment." } } }, "auth_ref": ["r654", "r769"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://lpth.com/role/InventoriesTables"], "lang": { "en-us": { "role": { "label": "Schedule of Inventories", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r17", "r64", "r65", "r66"] }, "us-gaap_ScheduleOfMaturitiesOfLongTermDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfMaturitiesOfLongTermDebtTableTextBlock", "presentation": ["http://lpth.com/role/LoansPayableTables"], "lang": { "en-us": { "role": { "label": "Future Maturities Of Loans Payable", "documentation": "Tabular disclosure of maturity and sinking fund requirement for long-term debt." } } }, "auth_ref": ["r7"] }, "us-gaap_ScheduleOfPublicUtilityPropertyPlantAndEquipmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfPublicUtilityPropertyPlantAndEquipmentTextBlock", "presentation": ["http://lpth.com/role/PropertyAndEquipmentTables"], "lang": { "en-us": { "role": { "label": "Schedule Of Property And Equipment", "documentation": "Tabular disclosure of public utility physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation expense and method used, including composite depreciation, and accumulated depreciation." } } }, "auth_ref": ["r46"] }, "lpth_ScheduleOfRevenueAndForeignAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://lpth.com/20240930", "localname": "ScheduleOfRevenueAndForeignAssetsTableTextBlock", "presentation": ["http://lpth.com/role/ForeignOperationsTables"], "lang": { "en-us": { "role": { "label": "Schedule of Revenue and Foreign Assets" } } }, "auth_ref": [] }, "lpth_ScheduleOfRevenueByProductTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://lpth.com/20240930", "localname": "ScheduleOfRevenueByProductTableTextBlock", "presentation": ["http://lpth.com/role/RevenueTables"], "lang": { "en-us": { "role": { "label": "Schedule of revenue by product" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfShareBasedCompensationActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationActivityTableTextBlock", "presentation": ["http://lpth.com/role/StockBasedCompensationTables"], "lang": { "en-us": { "role": { "label": "Summary Of Activity Of Share Based Compensation Awards", "documentation": "Tabular disclosure of activity for award under share-based payment arrangement. Includes, but is not limited to, outstanding award at beginning and end of year, granted, exercised, forfeited, and weighted-average grant date fair value." } } }, "auth_ref": ["r12", "r13", "r92"] }, "us-gaap_ScheduleOfUnrecognizedCompensationCostNonvestedAwardsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfUnrecognizedCompensationCostNonvestedAwardsTableTextBlock", "presentation": ["http://lpth.com/role/StockBasedCompensationTables"], "lang": { "en-us": { "role": { "label": "Schedule Of Share-based unreognized Compensation Future Cost To Be Recognized", "documentation": "Tabular disclosure of cost not yet recognized and weighted-average period over which cost is expected to be recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": ["r94"] }, "us-gaap_ScheduleOfWeightedAverageNumberOfSharesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfWeightedAverageNumberOfSharesTableTextBlock", "presentation": ["http://lpth.com/role/EarningsLossPerShareTables"], "lang": { "en-us": { "role": { "label": "Schedule Of The Computations For Basic And Diluted Earnings (loss) Per Common Share", "documentation": "Tabular disclosure of the weighted average number of shares used in calculating basic net earnings per share (or unit) and diluted earnings per share (or unit)." } } }, "auth_ref": ["r30"] }, "us-gaap_ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock", "presentation": ["http://lpth.com/role/GoodwillAndIntangibleAssetsTables"], "lang": { "en-us": { "role": { "label": "Schedule Of Intangible Assets Future Amortization", "documentation": "Tabular disclosure of the amount of amortization expense expected to be recorded in succeeding fiscal years for finite-lived intangible assets." } } }, "auth_ref": ["r654", "r771"] }, "lpth_SecuritiesPurchaseAgreementMember": { "xbrltype": "domainItemType", "nsuri": "http://lpth.com/20240930", "localname": "SecuritiesPurchaseAgreementMember", "presentation": ["http://lpth.com/role/LiquidityDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Securities Purchase Agreement" } } }, "auth_ref": [] }, "lpth_SecurititesPurchaseAgreementDescription": { "xbrltype": "stringItemType", "nsuri": "http://lpth.com/20240930", "localname": "SecurititesPurchaseAgreementDescription", "presentation": ["http://lpth.com/role/LiquidityDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Description of securities purchase agreement" } } }, "auth_ref": [] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": ["http://lpth.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Security 12b Title", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": ["r705"] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": ["http://lpth.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": ["r707"] }, "srt_SegmentGeographicalDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "SegmentGeographicalDomain", "presentation": ["http://lpth.com/role/ForeignOperationsDetails", "http://lpth.com/role/ForeignOperationsDetails1", "http://lpth.com/role/IncomeTaxesDetailsNarrative"], "auth_ref": ["r211", "r212", "r482", "r483", "r484", "r485", "r486", "r487", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r497", "r498", "r499", "r500", "r501", "r502", 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["http://lpth.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeLossUnaudited"], "lang": { "en-us": { "role": { "label": "Selling, general and administrative", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the

sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": ["r72"] }, "us-gaap_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": { "http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://lpth.com/role/CondensedConsolidatedStatementsOfCashFlowsUnaudited", "http://lpth.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquityUnaudited"], "lang": { "en-us": { "role": { "label": "Stock-based compensation on stock options, RSUs & RSAs", "verboseLabel": "Stock-based compensation on stock options, RSUs & RSAs, net", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth_ref": ["r4"] }, 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Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": ["r359"] }, "lpth_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingNumberRSA": { "xbrltype": "sharesItemType", "nsuri": "http://lpth.com/20240930", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingNumberRSA", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "label": "Exercisable And Vested, restricted award Shares]" } } }, "auth_ref": [] }, "lpth_ShareBasedCompensationArrangementByShareBasedPaymentsAwardNonOptionEquityInstrumentsOutstandingNumberRSA": { "xbrltype": "sharesItemType", "nsuri": "http://lpth.com/20240930", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentsAwardNonOptionEquityInstrumentsOutstandingNumberRSA", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "label": "Balance ending share" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain", "presentation": ["http://lpth.com/role/EarningsLossPerShareDetails1", "http://lpth.com/role/StockBasedCompensationDetails", "http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "documentation": "Award under share-based payment arrangement." } } }, "auth_ref": ["r340", "r341", "r342", "r343", "r344", "r345", "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "label": "Weighted average exercise price, Exercised", "documentation": "Weighted average price at which option holders acquired shares when converting their stock options into shares." } } }, "auth_ref": ["r348"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "label": "Weighted average exercise price, Granted", "documentation": "Weighted average per share amount at which grantees can acquire shares of common stock by exercise of options." } } }, "auth_ref": ["r347"] }, "lpth_ShareBasedPaymentArrangementNonvestedAwardCostNotYetRecognizedAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "ShareBasedPaymentArrangementNonvestedAwardCostNotYetRecognizedAmount", "crdr": "debit", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails2"], "lang": { "en-us": { "role": { "label": "Stock options" } } }, "auth_ref": [] }, "lpth_ShareBasedPaymentArrangementsNonvestedAwardCostNotYetRecognizedAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://lpth.com/20240930", "localname": "ShareBasedPaymentArrangementsNonvestedAwardCostNotYetRecognizedAmount", "crdr": "debit", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails2"], "lang": { "en-us": { "role": { "label": "Restricted stock units" } } }, "auth_ref": [] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue", "presentation": ["http://lpth.com/role/StockBasedCompensationDetails1"], "lang": { "en-us": { "role": { "periodEndLabel": "Weighted average exercise price, Unexercisable/unvested - 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[_PVH]HP<4WV$%AM67>FKOY.I-NBIZ;=MV[[)?\Q:>E2[P%A&U6JIW1-2F M1&VQOU$<>B\E9[JC"9]T:,5/PSW:1>YI[-NP'L!HU!?&NIFA@=*A\; 7"3K\;0 < 9GNOQVI*/CBUNWR!6 M>X_H\)D^<&:XEI+*@1Z,UD='KC'\8X2E%77#&G3:W)ES]CD8\N6#=.B9EP+* M4:@C&!84Y8[":ZL-Z(9YP"<=4R6O@515#E.5JG J.3Q\1=6Y,9''2MBB M,7OSOL.PII)G/7AKM8N- ^U8Z*T_\C/^;2,Y)5E8O%2BWKP!2=7YCE+ MFA .6D>HW,>5!X/;=5HF,X17.$[Y5%RQ?Z7'V_85@F9+Q=:>&\>_6ECY*0LEC7K^!+#/-;7FUWG#WJJKGO MLR58(JXP)'S)+$ M[>H.1HU+=LB_HC? X62Z?L/^(OS(J-XD_>!F/@7]C%*B3-/A;JR5=.DSG#@/ MESJ6BMJNGU%Q@[7:VPFC3Z\$NRORH4#G296^!']4)#J0H5=0/5)/W$QWR]YOI#G:5:-; MJ(;Q8P:)1?SD: X::*K,.I \7VU,WN]28?LV RHD75O0#RL'FWRHP4PCFQ6# M$+V9P;]B]2+$07-$XP:=WW_WF$KNO4RKLT!(ML7\%+F_@5B&$A7UOI2=G9A<3\W]+#0]:K#DNT,>3-EO]^,? ;.L4ZPEZUJ%J)AK0"+1GS ?T%>OH* M&V=.D&^.DAJ:(TXWR@I<2UU1$.27J^#5O'S5/V.'#W9PO_>]^\CF>.FBF(P MQ5.N4)U*P"ER;,>5=:VZN\ MU]\-(=.B?B.O&S/8NAF$9/JMCKD@B)[I*YC*@ML:FM[7A]O5+XS[7NFJ4*CK M5=8[SK9$",;WZF&%(6YY=<^S'X6?\,*>NN0Y_KYRB1^HI>MWAQ]"EA?4VUN M[DNK^Y4X4%?DU_=[=??3?>;+1W,6E:[E U"VE,F)=N:85&NN.?= M%EMN6" 0]<(M56XNE6R^FI /2Z/EAF/<4JWJ-OWN,Y/7-8SG(N;VTT[{UXJ M?7'HS$="F/G32HI^Y=:B9&0S_5 UR;]3\L_3\ JIG_X?4$L#!!0 (!B M9UE1_-3&WA)?2 5 ;'!T:"TR,#(T,#DS,%]C86PN>&ULU5U;;]PV M%GY? 8/\#U_M0!]BQ/7:2-D'3PK<$!MS8L)ULWPI9XGBXU4A>46-[]M-'/O[XL8O2$,TK2Y-/.=.]@!^$D3".2'S: M6=))0$-"=A#-@R0*XC3!GW96F.[\^LO?__;S/R:3WT]N+M%9&BX7.,G1:8:# M'$? HF>1SQ+_Z+: YSB:3JO3W\CD?T>'>T=[!3^N_GP242:5)(<.^G*Z_.6/U MH72&0EYS(3J=[A_\N']X@VG>7/0891D(5SDN,P7V9!C"),R4."&'!4 M*O01'?\0HK-YD"V"QPPO@H0KA8Z?\KUU7:? IXRHC# _,<[89O$'\,NIA\;]# M)TM*$DPINDWC)8=" X4NDG /'<3+?1;7SSC:K^&PXI1\I,7C+M.P,"Y #"E+\-\F=;$) M_]-D>C@YFNZ]T&B'60.ATAY9&N,;/$\Y[>;B 4SX\=\OA>FBWW^Q?YIRMHD MPUB(S#,\^[3#"TPX(0#EQ:G14M;G/V+Q],Z-7L M-%VP;CIG9<@39GTM7>#+E-)O2;",6#>/MM)KFP?8UW0>) ^87B2W>1K^.4_C MB(V4Y_]=DGPUHK8]'R)?XX#.Λ? I\YAL*JL3,MUTSBX0$&P21RSNB]81TD>R'V,CRD%.%R Z'"NN%.X"UX@ M7 E%! _=T/E#S>"KBGHH-?J"A1R\U%--YD"5LR*#<45[C[)9%T\8.I),9BN<2 M,TV-Y+1+#7YF&B0L)EH%] [%1=UG9H<__G&:8C>-7K%,6W!K55PJ,X.>Y V%3 M1L!H)BT\F O"1B3F[5=&(KH%K?KA4?SQV'ZY]J@>ZH$[I<3& 3680 M&]$S JVCEA@?"]A* %$;GAMH,H"H1=\-! FOP3[6Z7"P4PNQ!KB'J"3&Q]*C MAQA%[<1"0*.!A*TB-#8ZF+15C(>#,!Z^"D9PD^Q7BXU(&-@V :(6T1G;)41V MG%@=:"]IX5$1&&TB+STJ!F-?E)<>%0.XK^FEQIQ)0=N(6L0^&KB= +*CS_6 M)C/)V<)E[&Q&05O(P+2"*Q@U,]T7)4AXM,QU[ZYA$E0C"X,X7,:%Y2_9[ZWR M^"7'2;19-><@(=MS=M8L/LK#53L1M M:U6)?;I*2U_!1;:VZ=4486KKEUF[Z]C MOENBD<+7#J]Z*4BK^=%RJU'V8K.Z_C2<:D:7!0)CN) Q-7L&RW7 C0]62\& MH>LEFBL%"C[3XF.0A#']PP!%/9'XKJM30U&9L2$+-/ M#]S8O:O':!864R\+W^ MKVD2]HCKFL5!;- B>])N#.E%#"!$*=6S/IU7)"[_#TTL2W).8Y 2;)PFRLBZS M8-5B!CC_U2T/:C;V4@-JTROR7W)]_6E+#&>VQ%&?)J41 ;%C+RW0AQVJUOX0 M=+YXC-,5QC!*^WTC9 :Y-91D$0/?;F_69Z@*K[PU4Y M/Q:"3G@V0"L*XLM>9L#,%UA]?QB3#L$0OHR"(+;L)3[,; %5]X'F57(,RS%8KZ0\5XCU(:B)D M91UM;RD#@ +0]R!>:EJ/M#"H\=C+>ZB-+FYB46GJ3Q,Z31>+-(%P(98$$6$O MFP$F0J6C/RP<1U%QE#F(KP/"0N/3X)'D@68=52D XL1>'@/,B4%CCZ@)P^5B M660NBU!8<>4>F[IFWAD)L MMDI"H@E"(;*@W[1BAWG$1] B*S)(BW5\FE:%53Y[^&K^(? MO4KJH8]ZFH(:+7_>[RIYR7YW<7)'?A-MXQC/T3;'>-!NJ]XWW]0;OKQ[UQ<;CI2\,/3F?I3.KX MB*:12XHZR>/@F%7W\ 4G# Z_B>8X6I*$T+P\%5N!T^1V@/)NCV8I>>EZ^%[6 M*>W\YM+VR^RZ/& MJ^2,T,>TOD^P2&.42VF$C4 &ZGI5XO:X%I3'+>SB8P"PF8(0H!F8;>GMC3X MNSQ)@K6MY_KV4HEPA=0-U*/FQ7O!US1)VUH9HS23G)L#_CG.,,V-X(6"CL]O MP4@0#OY+M?6M;5U)==+N"S/).3X.MA5;,%OX$TQL!K?/3/_R!]8E0[ZY*NH$ MS](,-^ /9!]H3D)=OQM0]>-C9R,81.4>)([$QY-J%BP ZTG>= K64R%16*>8 MXY- B4M""+QE.K3@$)UB;P%8*.#Y%!F=,J:Q'T8!D/<6\ST KY/C, M&$"A#EER0KWI.+H-#]5-D>4AA'!UEP4)#<+"V$E4_%:9/OK/DN;5O2@&UD]8WRC/@Z+#YFK?S)<)JK3QV.+LEB MWE@? +C;+N%V>[L^(>$E61UV/ I SS,;7D 35V-E,[ZO)T0JY7=P>S!; (/X$ M)^W5F#-\GY\16EQM<9WA!5DNU!P"1-TN)@]F$FPFQFF/'CE6>X_-E0H#AV68X S)WK;T/@=6U7E=OEY.U)W%YCWSKG M^LKO?V?,5F?ILV8'(N%BB.)< /M9#AF:(=0LZ7BQ>H11 M!\PV_K 1#AOB6R6TRPL :<>+VB/T2KB-/(I+)1ZA\.SEA06F^0=,VO'*M05J MU3;RFMK&ZW#[<- H2<[P(;X%,B56\9K%ZGT;M1J3OU>A#+ZP^]ZOX8_/>QXY> M-XC.%;<\E2E<\;2->];7YWYS@"V'#;&C/\&9PA!\5*,#EY&D=3A)QP2K8@'O M+JU.CBC?1J+)S?2HP_'.BOZ4=C,UO>TUW@"GR-

L4!WUP5&RPN@UB?#73<<9% MM!*.]SALSY!1,]_&%Q'LYY@#@G0YLZCCJWJ'!S2H=6SG18N.7B^*?&>?%B2Z MP^$\2>/TH;R.L]Q749^]4_2Z+>IQ?)OOL+ZXM=T\"@D5%JA6Q0:% -(Z7]#M%Y0N^7T95[-B/8E^2U@;8 _$S)-*=X^< M4!P"+I<6K>Q87E6/I&:+>,0?UY7_SZW&[.(IG+Z9TZV/8UJ\NMEG6^KF MGMO;TN*1'8]MJ1N"O8E-2\6N9DUEKY)!9E4/FE8>YOBN:2]:H$46?3B$QB;IMA,4GUVP6SZ"U=]XVCE7]B":(;Y^/4[K,,/NED.-GI]J2%@Z&W9*'A,Q(R!L;6'_J8FW4@#95H$T=%E";4H@RX!^ZP!N5<%-7U:!V/1; M=Z]^W&"<'G0Q=FZU'!6';!=& \NTBT6R*654//6*F72QK 'LL NL%D1!$B%A MI6-4C/6KS1E&Y?5L#:A'7:BU? %U4P-J[_D8F>;)UID<9Q+(U" '7>:#0JI.H8^^9"$1DNP2E44J@I M9N<|-O>2.%&XV4/!$W0D;'!(V- 9-6^$; ^ 1O$<C]&N')9KPY%!P#H;P!.W6MG^PR M)C)0(Q=\ASX^L-TFUH&"&K'@5)KA@EU\&^??]/UJ].),A5> Q/#!+FQ9'*$& M+3@D931A%W49*RAQ'@G^J12P#*H19:BAB:ZJ&6O812@$'6J8@J<20P^[6$V3 MZ#/^/J.8?@VR\N9XF1*"]P),JM%N53-:5VW5]U9/D\$7/-S: ^59"KP%,:V#! MMW41VC9BP^=K#"DXLE:H8-68(D"M024.3$1JVZBR^$9C7<&3J0(=:S+*L6;<&2 MV?"= ^=X-HZLVB[M+5+$J+6IX,WD8&V;5IC]:^PK.#'9J- ^JD55HI3U>|%<:N+92OPJPMFD(?DH' MW'+[:*WA0, +0JI5P^L-&?5:#P2SZ+-J:37>:C\. X/83NY-4IWNDK=;GG(LEZVDEY<43$$2^U*D&B"] M]*\?@(M$D=BX0"!D3M7<=FP<\#L+MH.#<_[TE^>E[SQ"A+TP^/KFZ-W[-PX, MW'#J!?.O;V\) +#K>6\<'(%@"OPP@%_?O$#[YB]_L__ ^-- '1S\[?3NVCD/ MW7@)@\@Y0Q!$<.H\>=-'"H7_Z!G $T<%!UOI'^ITOSO&[DW?O/ZU_?PHPH0]# MA(;\\6C]EV/2GQ/.')?VG) >'1V^. ^WP^/WQAW6C^W 6/0$$'8#3MZ%:$[X>7]T^+=OU_?N M@N Z\ (J^R:EH+RRZH\ ^?/Q\F?\V;5EH^/R__\;)80YGW3/YZS1:$Q0; M?SQ_TB:8N\+3!!=AVZB!X4O.-P6]%\'>;,# ^JN#H^_#DZ-WSWCZA@C.<5+1 MH="=W#FT/_]2>|82!R48$Y(%@K.O;VB# Z]['V/ MWM->_WNK4?2R(F:,O>7*)W(X;/#%8 H#8K+D!QSZWI0:_2GPJ<;N%Q!&6 Y' MM0?]6&)R FB!8P\%_CM@3.[T\+%?43^2^<=/)Z=A4LRHA>DC?<(R; ,E_ Z MQ/A[.(IF1&FC?AJ\@']G"Y ,(?X*KB\0O>/1>A/R:1Z|:. 8BUXZY+;&1_1S M#/#BT@^2NM0FM%IVN\"ES", ?N$5D*0BB9#Z4H160M$5S3Q9 ;T9&8A"-7#>, M@X&L@[=${JX!9.4$G%;A".76!V*-/CV0_RT]*;3]"["$(G"N 5*5OB_,.M/L(@AC(XI69MOWH5D.ZB$"D(@M&T[==O4;B'"*H9!5,Z]E=T\,A@B&C:XOD] M#*=/GN^3OJ_(0 GFWH,/1Q@K++@*I.UU11>%"7A6T56E:>N13B=JNI^:TI6* M3'Y*4X^8]BVF"X ",F5@NE#>0G1/-M[2 22B:8OG&A).I<2=+#.TP6$G"X59C-FX]:Z\,B,1%;[M%ZDBR@VUKL.=K,==K\O90C:AMBA%QFSB\[55#9"$ M3/>)ZAQ&P//Q#4#T\X_274G3_CI:@;+N%9>@4NMN,2B+3$+6XZ1AKZ$\0G@4W6.I,4*DI'KV0HI" M4R+6BE!J=&K46C$>M\)XO!.,RB99KQ<=.V%%VU0@U8A.:IDL13TLBG[4)'[=2]>$!V2IH=9FT-F![I1KS]U, V7P*L) MN4JM'6_RG8,E7#[0H*=:8+=)=2,%OE\/7T*@&U401J.ZP'*:'=HBG('8CQH; M8TY>1$Q^Z06)]^^:_',+-7R.8##=!,K0[E0B\B(OH@W?I]WY!QLPD4/G*2E M?AX.(5>$BA*?TBF MQ52"T/N9?'?T@",$W'5X@@\>H) T_Y.TR9C(I'/($(\&N2E'!1:$>DSDN(YM M2F2:]>(4NW&R?IR\(QUJ;Q8;6.#EI DOSMNM?G_9&6^-X@,+W'Y0XW;$&1H) MO?4A)_V2\Y9^ZQ?G[?ISAH10)VRP((B/C021?LSQ_J?:RX?]QT@]N":/EA#(# M ^'&93F-\, =@E:;8@+:[X*;3*?RF-MUF3*WC(^G2#8O:[V:45)U'FVW^J$I;_Y>>8# MC$?D]\LP/1[Q)S/:GM_<$K&+FM^(KC./-@92Q<=YJ95[NZL>= M+>"9K VM&E57@.BD4FUKD)9\'-#[W(JN5BN_/ %PN1[MS%R%P##6Q\$J=XY M,XJ4R@9)*S&2'SAV(O/1DK[$]"OSG,IZF>>,Y >)3F7^#)'K83B>)9|=KY); MX#L!*O7>Z*(T+G[M4A=T8:?W'\FM M0[ZUN@P1*U)?.$2:=&2+AIKPEBGK-U/*$HZA)AWMH()*(^N3P1-$)0Y6,HN3[D MJZE9:9GL1L1F# ^1'2D N?K*>;*W6^\DK-+-)*"7DN{O61W6#|B6+:G,J_M^- M;O-)U!T[2M^XH!E&ZG0(7O]%(0_36]\80?*A(Y"W:,L'J!:WIT"U$]EJ(4> MG$T7SJ:/[D$KY^$IX/Y$3^A4%692G(J)PB MF9:(1D::H0VNX\K\7Z+0H,!*[J$"G,H:4&B]XXV(8$-R7%D2)!L2YVW^DY8= M'SLJ40%O96'(*)RW*8T65/QT105DC 5A3:45G4+FH@+,RN+ W@-H1:R>R*@ MO+)BB+<$F@V"E^^H+BRE!1W"%KA*64^*B"MGDIH!TYUQZ 5M4)&I +FRC+$ MW4!H!5)9E5("O9CX:90*R*H+5'%[H16@+*U2 65E?:KN-K1";9Q2 MJG777P]N(X6W$/KR-R,LS%$:!^%4$E\']JQ!<+@R_A&#A MHC\B"&4!^ JDO7@A(;$X!465N#+\3D*GRGKT?]CM=GPBN*2"AI>D]6^C3O&S."XOS_J:?S_^@)H"FMCBF>W4O-K)]Z]2]@+*'C$] M<-F@JS3LQ8S*M!>>P$MSX6?+1-ZC..R!V(NSSY&*#[:[MPJR>PGABV558O-A MNKN(3!57V\FFJV7-;WN/Q&$?A$])3X/Y!/B=^.4=B%'=0?3T'F\|%;25"5"(NN5I<)DKK5F[W3;/QQ!8 KOH8LH2Q)EL=J: MUU&+LT+Y50B#OUP]AE(T))"6 GR9!3!;[7<.]5L<9, _A\(8H!> M)D_A/R *)T]D<_%R&<9(N-HHT)G7!FF[Q, M"]T_+IYI'*$@'H?7WB)M\%AHE5NF_S_9JF)&PYF2T2EW/2*K%, ^Q4Y#!XAPHD#)L%53'-V)%B4)70VZ$>1E5;9 M9CI(/[D>LF7$#M["8%15% - ^~=&+>0?/V]1.(W=:(SN(7K7T0Y0 &G* M;FE'7 7OH['#FH2QZ-@FD'!W%OJ#6*B#> M,M@X&L@[=${JX!9.4$G%;A".76!V*-/CV0_RT]*;3]"["$(G"N 5*5OB_,.

3%4E>>!"UK7#0=+9W5N9Y[(V9APVN.6++&<7 FS0\$,P;/NLA8$X]6B9WC$D!/'TJB!ZI[C(K, "OL/]7FA+8!S$U:]PG , 7L/, ?'O M5K;[R+<*+WR%*7O&G_WE>2: _-
V/2'CQT=[JP1\#R\FV9J\\R=WV3*1JSZ$WF MH^\C-[WQ/WYW:=ZDKUCJN E))\C _$X^>9WA -#]*DL:!BY43^H@>>M5_*%$* M1GB2+ ^E;$A,.5'GM3/ 9JO(]7\U\&PJW3-
[!1N%F^D'J6)9]$L3XF^2>RWPW ML 9! X#. +11(:-P2VMP]0,3,SJ#91'FPT(#WQZ)6#V;-=,[72E16Q59$P. M@#AQ+$'G10.C%+AQ(0S]W?!A8@;!1N=0YQ'TGW*#6-J0-LY4OQL:YA7="JB. M6?
K"!3A `# 2LCG4_K'=P:0^G/0+Y3(UN7' 2 >#3:NUZ-K6L-5CMERY>YT M.92Q0HMW#8S3R4ZP;J]X'CAJQ] %<-!#$(8$022^CHK^EL ~F*0;[S9P MI0V>F"-U8(]M^O]LM=DPPDAS
[MZNF[8A]&K+1(OR/MFRQ=Z?C\4!KJ,(#Z0.1 MGWH=^E'\QA1M=3,5>766#ZW6X5HDBB#H=IUGV$+#9^T;#O";K4(>3-HS"=_2T/<GJ27,"5.#66?E7O2*7X:SL;<^6:^ M[O" ,-
E;KC\CM:T/[*,.1GDYC-(PNV&OX'YMP_O!!%UJN-'#)*!N<>7V#*^7 M]Z<$;Q-)\@$E;AP!'/E1^/J!OSH VC^V2#L4I5SH;6'#R$@1^XD!35*=H >2-F2LV?96IV2[IKJ'&R6. 5\C8VE:+O M(?IHDZG'(-
YI6GLL-CU9SN Z4VN"CV%'IF>4, YG!BE[MPM7*9/J' 2+WR+AG7VK%LY&,NY/T;8,]TCN;E>N8/ G& MZ<2HTSWA+8.9T8'C8,R5H312$@sPZ+D'OOUD+1="C,5_2,PA,B^ONNHI#NLW\.
MTL>K4Y)&3RANN>HI<^N,,NW4H6J(J1(KG> _- 4?P;F$%95 /YWG+42?ET.GOTBIXU?%%2,Z>V5UGX]H M0&5!>Q6BUCLATJU!1L]6UV*WG%MT3*D+;'.-\/9)ZM!MPPM^(+[L7.WM1TS! M!,Y<-
ITIPA)'+2>+ I_6-'UJG:AEZY,ST3F%"""X\&])>=!27DT7V7#FMX+45 M?.H[7K(& MI(HTK72NK)9W;$,?:GMUK@S;3@VPMY'Y9J'MK5N&VP&BUX&;-T4WVW-C@+7V
M%@#09VJ@^I((3_3*6A[7(_(WSD);1@D9Y,7L2\,3D13MH>6!0+GIM[(*X+)(61.]_MM;G)C;(D5#K#7!/O'-L6Q4<8DWQ9)%L< M[5K+[B\FUY@2MT7D2EY; 2W3%'>>;\73JYJ4C0RS&1?
X\7.4)#^1U'] LEL& MJ;8=5$)O#E3274](S,*/=\AU;+C%*HHIQM7!*ES1>@MMZFF=2!^"^.*585.E M8(8$M(56U$V5R=:H^4=IC9@W/J,D0>CFB&)(@EN8)-*U*N=@9[8_7T%="0X4 M3!Q=1.XZ-
YI6JLL#>39Y&K,JIZ6K2K2/%C42-C>60>WW. ^.Y M=?H(W{623?$5Y"L%5!N!OS!&IH&=5>G)(V>4/P>NG_#W0.#3$"H"5-2,0L(M<:G8$_/:6\]-%FFNJ\C7R=&4L(.,9"0W#T\ME/:
M!:]DB1.3LU@A=[;8FC1&=Q94B+ *IRTXNX^A1YRA8JR>2>'%(]2'K&893 U MJ9C9U-_.EC9@]$V^.G0H/<@8K$+,$XS_IH"7"IEFM'!$;&"E1,..B<5N8T5H
MOUPZ+DXH];3*S$V(_CL,3S! ^O7^)_AW%T?T+"M/73[CK8L5&@4F3DJ,L?J'P MM'+0>9G! ^<9!II6?CK+6,93Q@OD%(!_ /9!.AZXHDG%HA%"[X!7\B,FSJ\MR MMS/^Z--%T 9R,./(L!FN/L/DD=
[J8N;87;H'BO0[&8=&];E=\(KZ+"9GJ5YV MCK>SP=*H+*CL!G^, [=P5H;A*PA"X.*/M*TI2+%F*/[KYOV$AY"P9"1*P/ M8G)QR^CB4[)SQ%LZ5KP=JLA8QJ29!R2$R?2+(0SBW^`A1$)4)7)T7RBB!RDQ
MO<;7P#:A*V]_(F+F;XAOSGL;-BE%,1OU4;.DL!{P<0)@F;1 HRC21P0@>_F M64O4^^%P)C4COY^>AL:KMIN\LS"CY#T_ T:\BUH,KDUR_<9MD<@\BW:=E]7] M=N9;SV1NJ6Y2-AP<,!7P,-DDV/B
$C<.CJ5RYO<1W4$SAS%>5]IY-*%$5?@" M*FT,[&43KM!.5T$F(5ZZB=JLQ%9PLS3"U9,..:TQ)"@\'6IC"M(Y.4@7$"7W> MH1UDH9'7>$-$WERP1;BE&E'V27(Q2U,GG(R8'1O[M/=P8/^'4Q11KVB?
*BC7I9Z9JOQL":%#A,XK2$ M0?RW, _[P7_Z:U9NXB;-T?QQ -C'9]!AK$Y&@2D3#KDGN>F,41VK2-0X[Q@%N M8I#QC.#U*#<D@D_ Q[J7=\[**GY/$=-J.MC:A"T.-1$ARPK@K/> ^\2)3:B(V
M_649%SBS3?OJ1KS?\ 52!1Y"4DWH:!&U (> +HL<6>]6QLT_2A+6H9$Q:4,& MT;V>G$. 2,W+WR(2L27SAY50ZS(3M@!\MA(*2=FSIN^X>Y,943H)V5!,"CYJ M6,XXIP7+Q_
A"]'6<|*[$B38$5"K.L&U2;N^?HDHF3F?[C:.R93/761L7%Q M.K/E>H@*2B9]A:31H%QK1_X;>QGVG)6CZW5(H: U7[CF$R.C,GPC_8!\%&,= M(Q-'T*4&E;X[IT#
,AI])]F[P,R;VY!W32IS89(7H@#Q8RC5)5W,;E[W"(7FC"2S^* M0>0D'^N)B___V++"A;.E/]&5OH8(+,AWDA!Q#F_BAX0,$$] /9H[)%+;=)6TZ7A!.4+""\UJ?[$WJ/HHPT4/YHB,V%D](M-
1D+6\4MC(5"RBR%JH,,5C_H(J-H%WH%[T#6A%E;X0AW?W>-UX1%5D0%26TV M 0B+J;] O<>?E1T0*IP:SPGUCE2.BW8V=B5?;98(&\)D.@O,<61@)>]I"]7"
MJR2O$VGQ%AH1.1+PO\$D*P0[)1JQQ1*N JO0[.R1O-[NU#=[8LD:,,% _X1T ME%1.4@']P&W0?@Q!A{:@$>6G> BF'/[PH"%Z&CH24A&SD MYLF82G@B!]M=Y*#Z=
(K#@&3X)JF8@^_D3_+D*S(&C2&BK6)78D2% MU*P\XG+GN5L+@*8J9S-'>\9'(99SV@(Q6@3A,3IXUT_'.'JF13[D&)-R:"([D M)A>\4(!#UQ+8CLI MB]:
OU;1:^% ^0GJF1,.YYJI0C$U=TN8!>N8D%2QSWFD]$-]'-1H]B>V(U=\U MF0YY0A76PO*/S"M\@?9&'9A:Q&JHWT$8/)V>IIW7^^@H,PX?-<]H0YR2\?=8 M5B]7,[@P7MU.
(%/S'05]Q(F14^H&.,W("^<>_ M'Q M/!)ZET]1G 9 1_\N' +>W((5-K.$S%8.G/S"H^ZE,DWGFMIK0I+E%)\" M7NE;%6P]!'CR07&Q=)$(ZXWF<$;65XV&$-'[U##FZ?T!5#^Q 4H/D(75?DS
M%R#_T 5[[+F@),77S+P!"SLO\ J2T6F)CT!WPHRR6,T&+,17EL5FMI.-C->ZD,@ESH%QP+0V) ,GSWT*R< K9)J3 M@7-$;"0#+]$PU7:Y63@VA(O(I1_F S?CL]/MYKQQ%1OM=0RS9@V6B];] 3VF+
M'+?*QFSIS[>ZDE KG(7*\HY6;&/]#:AO[8K-=K?5YG;J,#-M8NHH82&R"K>5 M6#)36DE>4HE3JFB^W4#C.;HD^MD-'+-VT%OCA M/@GBLI$RTVT[FQ4%;87FVS8>]HKBKIVY#65DNDG;]
.OU>^\ +\:LJM*NE(R M7D[=5OLT&YPK:YE6]&E/4;6 A,_>- LV8RFQ[<- MQM !HC?,GJRM=X(RQ!=']JNY($AZ+C!NRCF8NN:N5ZXNNY;"Q:&+R H'T!?C MP9%%-1MQQ_Z,@H=' EH\O
!Y>EN&^;2<9K4G+%Z8-<;V:U[MI/UI+%A<&!WX;-[F*^F;W"FYG<^*XU;BHMS&Q"R':..XEI^H/%;=]TWT!4O64K0-QU(%252,5FV7F^WZ\V)NH" M3]:A9@G$$('EC-9 7(,?PP#_]2D*T\
<$Q+2U('SXZ4VMFB_H>WK_@@[/Z#?: MCU%&MMFHK6M%U/W^RZ3>8G;;>\[,AFB#,?LB6QR;-[4(R,* ?XE&&,.B+5LA M7^ML?Z1G#;$HE<5V9D6(PPA=D.%Z^ 9PC;\LNH?V;LUJ;)
<[!#=!"GV6K-% MVZ7ENKYZ)V0(W[TYA)/ZU:.-%FO,9GR7NSL,W]0E]EZP7SOSMZ? \ L@ _ =^ M$H>$;E)?^BF*!;@=WIPF9X<1NEP\W]HB]W6O-EL;3PL:[1>-+) _$E*@J(2[
MM=>+]6* W^D*C\3C./CMHA#X3;Q=7(=N](0^1TGR"<_E%;[$!>$I"!]NCBAF M;G/OD1_%B-'=P^\H^?@]C6$4>T${X]?K%#TE7S V,"<>0BS: ^XG(M5F!4,X
MZ1=UIHB=?."J^>PF^QQ#K>.Z&Y/.[]H[VER>]$'PXP% _^B?@T(^ @/UC2CYC M*.%AULWL6'B/0N0'$H@T2%E5NOUBJ5NQ.7D[92V M#X)WFN;2D&>I?B[|)
;10]Q/#X&+CP(*@(*]'54Q:T5=B\]-JB0D&T@'EPL M3-K2.XA8QTZ9>OS$B0ER?WZ(GO$\G/#I^_J D_WEO)OL' YZ]:76K_(TR.B M*0:9_O_.LD4XWSF>27\D3S-
,F!'EG0[\L'5(U95I@V! ^/R[./KA)_LF6T!= MF.)BG__ GHT_WYJ::7R\161Z0@.++S[ZA&+C0D^AM!- MD9?1=#H U1HTK9QTZ?:[L]+2&KM.;+S9TH9B &/UHQ%'1WE(S:@$GV@GF@Q>
M@UHS\C*X3#\A#VMOA[N\$Q7B 6/:VK)=*T-Q(+JND)9FF?URLW"7)L/9)NM0 MPT/SY[N?@<_X:1(&LG10GP7TCW/'V[O:XJ 4[ ]]Q:_/]-TT>Z) J?L6'F'@ M_3E(TE63RPFEINGP_#I-
"E[,B$+Q8]'Q$+0EFNSY?$4Q6LL>8.RU5.&HT6@,'>)5XD%*!,P!YS=PG=ML!1]8 1&LSA%25A-CC.N\8&?X MBI(T#HA2=Y=&[M_H1[>78NO*T,FO8*);&+34-*S9]V7>KK;./?9-&?+3PZ-
MUE(2O5]"7,#!;WFZ_ M7-F0I+.#]*VXH\R&@48EN3D2-4P*+@Z=/D)A2R#J$'$[@_.W%O8X%35(EY3 MZ24(8?36A *1$K@N">.]>X0Q>@\3Y)&<'BA,REXUHO-XF497!S=NN- M\?
H'JD*]*4[3ONWQ[A?J:*F2&[SH*>*E3)N%*7NKC4DK0#XIIP>?D+,6E@_|$W;J[IC];KG2^ZETX) EMYV%5;9;.>FO28Z2?M UH W5T"JD%-4\&;KYQ=QC%Y(6059,\DM_ "5'K4$W% ^BD-T66
/1VIR/00AB9/FC9% ^&33!V]3@%FM%MP 9E-=;:-SGPVS7FUDT1\5= M!)R<'"3DXV]E2?^*>?&.A?NK:.C+'WR[8[4Y%.NS//7*!:=]U=W/
MAMLEHWM;*^WC=Q2[0:)SK54_ ^797&V_HIEQOY>\QCX+]S-L9+S:AM:<--_F< M\FVMNBMR.!\.R/L4Q3X*|*ZA:61Y'WZ[*U \C%.NP^97L_?8E;,Q_FYLH+|- M;\^<_I>"P9IUF?10N<<:YG[?
MGAU#AG,00NTSX>9ZJ7.WQF-4#789=$5$5$F M&_/['7X=Y00ZU7HD2<\ZG,>D7^:VU0..%- 5$Z '6\ 6(ST]"D/I[,2/N-$\!M:S#7 .LE,3YF9B825[A;R$ZZ
MBUIZZ:!BT:')=]"/M/N\09_D,Y6Z(1#5"S%";Z1F17WSLZD4Y>WC7]KTN- M@3/5X3)=6>6710Y*MK^F.2NI^4OB^@>==QGE-"I(CVV6H-(CJ %9'XC21Q2G
MCS",V/X3G3>:EVQ<(1O7(J6LFXWK"1Y2%#\E,>=U\A[_(-P>[1=$G\"!+J1\!4AWSG!=E7SVFG0?Y=6BX6O , "WY7B MF>H_YS;Y)N'R?[;'^O2]G:V16>3F#E]:+#'\%L=*VY;([" R67,?N+O/?)KB$
M^"1NW]NK5,AP#+ER"EC,W]/EB:=P:.5&?>ERN2LOMI;[9.F$R2/(PGO 'WF;9HHO#C43-^S'!2:],T?8SNTOYWM$U:. M*`$KD)/!..VQ+XW54\&3V,79;?*"F?PLW=>&PVKJ\;9@JWP+:V]N0];D";OD6
M**E;WM?+7RMO[L!Y!=S]GWSS(M^4B\8/[0;0B].6X[;WI,]>*"TIYTPA>FY#=E. MAL@^Z9F6?R\A23.94&_S0I.Y@)[P>%Z'KK)-3J%6/\ VPF0-?V@OZ5[C>$E.#?INZ>E!*4OO_6SP. %>
[W=SL]HTF+< M^AA.>A*T]%-HVD+917F,,T!P3ZZ\"C%=JN2U>AEZS&>5=RM49M5TM^[8E>+6 MKY>41=^1;JO:H. IB=G,8 M;.N2#(S;;^PKBS?6^1%?%X"NN(S-^C=;AGY'>[VSAPD2QSCAJ?
&:<* M:2=$_A)<)A;@ZV1V*^-[8'=QZX'KN EE0$/@2!H!]&B<_G;4.-D S:Q_(T8O0+YKCN3$:]Q2T!&P9N;L+5D4WL@.8+1^G[$. MZWMK+3:23*#^@VH2*:S,>.?-(R/]3=L;#W3+%UC"F!1=O'^
/;:0L9[_.9 M8]H*05V.48.VDJDZWEF#R%[LW_H&4+S"F=P#.@KQAK:!7L,[ZD[020+F.PBA MNS#I[&-#WSOO!\7SN>T[@ONHS$$OE$$05WJ;<(*:5R:+]0L?@3_3BV5T@NJ(V
MNSURW\1NHF\H.F\NG?*-68SO-W*K=C;K.=)UL];JE*K> ^JY6M8\M<: 6([3T M(*@;H8]?9H4V%K/]2F\DR\0([=7[OEH:^Q77DE^*S 0V'GU:T6QL/K4?@/]9-@E[M#)>:^SS=24@S$#QG.5BG?1
=D/RG@=Y"]%7Q4OF80Q'&RAV MZY$G3E8U8O:6UF1]_=:[V#K3&*$3/)"Z!H10WM"/>U#$$F1ITT&%C6. ME\!V1M\AH]:1WAGK?=PNPU-M/ZU N)M)4>DGR=E3? 0,JI@[<0PRV=.#6V^L*
M"9M2(1X\ ,/WCG^(&W)[B8:>^H>- KZ=;6;\:1ES]QE/NLR#=[%?FRQD;_NX M]-^KF]];=N3BK02[<:\N@YNTZ-*NT/7^V7:K[65YGG?KM6OZ>C!J3_HO ;ZE
MV_"Q7:]8WRQ8+]BB5!CU'7/]W2@?/^U<=.X]#VV7-AAON\K;R*Y^]RTK3/6V M'& Z%-X;]:V[PW=9EF:X@,X_2A+7WIUOS^M]PU5%$PX-S,:;\&!Y,TMZ\O1E M4_JN].KM%,]U6)!W3!+ 1
$E6:9((FOC)I'%9>F;Y.*#;WI#] W;Q-M JC56 MO1$NQ-77LI)]\T\M1GHYVPN^Q("(9N]M9\VZ@I:?" M?,W_*)X]&)+;#!T"D!"S)!<;;2[;X5R\9FMJK.=%@F^39.KW?76_+T MOBW@*_]3I?^6?
7;6$=D6KH1E[$YK66]L M5M:XVFCM\:2!H4R<7(6B H$THO_!>;.;/&F M5?CIAV9 ;/#9N3,+$_X6!L12.I(7G2Q>V):QK(<&6BFXSBCB[I=BQ:P2SSF MU;):K_R]Z> #FP=F@MVIS7!N++9G_"0-
Q+9,W)@#ZO !/?^UN31/WI'>B\% MOKE"N$(F61GW+WA_>&7_>X>>4?@;XM@2Y*2:L-PB:@%2 1W;O[8[SS59$D)= MPCJL_H)@3/9(#(K_CI$#EK,+@.=S.SDL/@7/2
T594H#H&@*RL7$F2RK!+S< MS$RZ!2H+J(B(]?0;!?!=<9LX$YKB).IB\K>(G(H.MKM!F[E5:!#(IPB&S<<17 MO5SM/"NEA?&,_]]/748+_)?T+2K)B-WH(@[_C'YZB4\-:39.N]JO5<,'@7,9
MZM\HJ_FQ@L[,>/ST^-VIXYXI2-'4>= $?4BF0GN'ABV >^=A4,*[^C_SEO0 M@G>'"';^G,7/&U(-62;@QU<=8Q-1JL]Z;7'&:NUE?E+0)?)#$!3UPRT_L+F[1_M]!MX"E-ZC%X=8)+
<^&R_^1X(WZ/%]!K?AMN$KKS3BHB9&B(2/4AR*QF&7X-*E8MDA_O]W;$(G> M)A\?,)> |>6P89S39&2_N[ZZ%1NVRK_JNG,U!#I?G(J?LA0Z.#$SF7!$*E3C MTH[I%*9R,B,A.>V^E0Z[^N'9-
!BV<61YW6>KNKRL= 3.*G2A!/'?=/B+KUPA$ MAF;5R>G467T&Z*FP97IMJXO9\-Q4P=(T._J'('&)1>7&O\4#\8@5Z1N?G2?T M..'ULY5%$Y 412]@U$*?EQC<;
(P;%CI)6@=3SDPTR6/&3O[L.BV!6L2,I*:4 M>D!O;@E9TEG>1MJ7&EB\D -6/!.L^1XL8! M?1*(?/KAS.\I2TI$0IJ^PA0ZAUAWB'0QJCA*N:::!"P;;;+UP=+WOI2B6 M[PX2^>K3@4E!0&G!CP=,_9-
A&T#-%8P%?-SX;),K.4JV)#7NWHP^^T'?+I81 MV+4-%JB^N#:MH <_N<;?=[7?5:QX T1_1F/"TF 2$#,=:EF98VS8NR[R,7:_X?@L,I M#9[1.2.YK-2A"I>N-V+E#IP?@UM9V-796SFN<;6KJ["-%
(.4GZ#(RUN 2='$ MGR;!%-8\0H@05 ,1R"V%75#2- Z<$}'PT'UT!0'3'(D=;M[&YKPUK=S!?JZ M-L"<3Z"[-> ^E/TST.C(S(I+3HC 0V]IIM:)&[% MN+;:UD$%?574!+N]IV:.%1DI!PG?M
-3KI&UUN&.9# FD5[)+8ISWYW ;:N' M).?1Z-"E(GS%*4O&P#R.7,?9;"T 7P=1ZU C-BUPQ"#+M07"/U"5G09H7?IN M'%C*@**SLUXL9YZNG*.=@505D7N_M@POV2ZIV,F'VAQF:@++4).1L@-
DL?.L M,$$]"2DXY0QCA]VB>*$91E@_ROQPU1EUH>L;MTI TV-,RO2 M[.ZOR?BK(3+SK\X@:P3<1R!K)L^HE?V'M&3D :UPFSZ_$XH=)87$S.J_7NZ1 M+@.OPL.[HK3\5\^;,>+BQHNN$,V.:I>-1#
<,A]1R:<$^"H'!B T.\3'KG>+8| M= ^Q(3KF#8789IH'7,%M__X>3A[R/N'9)2YKIY0ZG=WX]0.9&Z@Y!F352@N4%\- Q M1F[_+DC/_L-DH9-;W+E/E^'*<)CFI($]V&'%$:IP6$&G +!18"LD>>9I7S?
M!@N:LJ JP NR!@#&?OW0P"=X##"\2H+4"GW01J4TB34&8@B$K,:?%*GRARZ MEQO'> Y,!?GXD4M^ RN&MZ$V%66QO*IPK$XL-@K.D7[7T MY$P^(_P?)'-@X]-IV@ED0A8;
8^(/8OY_G9CTN%14;S&C:M%)]V7ZGI6>U7 MEQH#>)UM:8AET=X*5LD.$K?=:ZQ3$4J3]IY*6W*#Z7AK835W-G!ZQ3-KLJ!R M7)$,<,GT0"H?VVJ$ZDN%1J?
VQQ&NJOB5"+)ZS7#E&7=!EHLF. ^G.$;\(_M M/)H0HBI\ 90V!N9][>QG2UTI,(1XZ29JBX*27 "7L1E1)LL'8=Z35\X)C[D7K](@3O%U)&_W.I*R=1WG8ED;EMJ*E,VBFY=VKSENF*%4+N6S1&3
MHVJ7J-@1M/4WKLG;EJI\,J5[:GN[]%8+E9C4)KH.2?+[1+HM<='2NRG#Y7H4 MN]I:IZ>E':9-HYFCS?]-B,E1>M"A,@^#BAU[T94PY,ZET4WQ7:V\BR|'A+HSD%QI&^%?%>GA4.?P2-O6V/^KC0
M&]]=&S'S!-$/V]U:8*KI8KY8V> |.D3VKKBV>-_ ,_3;T*O*@FJ]9V8(1X MRRT1LUG.8HKM,"Y, 'L&)>/G[4:QYRVO&C%TY*2:]-8640O-5#$' MO!2\A;\S[DRE)*$]3,\-OH-
ZG*&Z]!"DP:06.@O@U"$DX6)#! M?C5SC! QR"WC26?3NDI1K_AB]73Z2E?A].HH?@GFUH MK"K1IW.5%,9=&F"/^,O=#MH0### =)%EG+8%WH%/6&6#!WK5SDJ:%P4Y+;J& M% \
>7^9(<(C"5E8#X@5HLM+0DM#9JXCW;K9^L(C;865OYGM[4@W,%3^.LP5 M*PR;FE>\7+ ^@[^G]"SH\H]^B,'WD!O!W;2,+ZINO/-L?S)4[(9O8@=6"!]VA M)%,|<("LV9VF1+$--
]7>@C=*BE1.W0M0-'9!TCLZ"-S"P+L M"CV38CTUAA2 M[2V1[OXEZC/#&2MSM(;[%?+?SO;$E5VV*VTMWY5J\AO.&S:@\8"YAO8<>KR M#MEH<#L6;S1X,;2&C4J9F7[H+CU?
5SZ_L3.;IO2R[6;W%K:;\FSV'1+KMIQQ M(&K2^[B_Q(,V'M*2O5O)SRT?:>5|+)L!"[:(8L"X/H)+]MW]F]@WRE/9<\! ML6W7&06=-F2X[2SPD"V'-#1-R<:V;ESZ*8H%6.S3@(%71.5N<=\66[G9!*/U
MRC%I:A\J=\/E^!'%"!)ZR_?)GLO3IGVQSW[(LC&L77=MO?FI(:T@A0A]%P)/ M[&$('#-N>_2L;V'N'X2\C]]=E"3BM'V=&F K<;7TEI-[6.W97(;H 6(A.FM< M:CUH!
(9B.A"0E'(*S(V;BMM,WPD'$RON%,"]^YR?)% \7NH)F5&P.L-<": M,YV.E=OW+N-D'*#*0&3F0V>Y6IOT\>H@8AU@MU@&DMWW&1Y.ZJR_;[30KI&= M3?OZXG1NQ91C:B]_G(Y-
L.UFN]T:;#8H917BQSV+-*^|SML M>&S@H^S:1GS0.O4;Y&;3^=&6-$ZSX>.16FV!O;"9L^TWK,\ M=(BLW;[&A?+U :*/M(F9\V;KTG>1WU#7-EATCN/YXM"C(9UPF8OM[Y3 M/'" ;-W!1D7QW
8WN/Z2C[-]M7C&3>5?IMIMN9]9KU;RMYC-3I<]5;*#C=6- MJ=S/1.GEATS?X*[K2TMO&J6ZSEBA1^1 V1M[U!F7=]M,0PX9%B0!]VM/EX(\ MHHI4%7XD3T.K5*6!
V2C:C08K7,;'(&Z2SQ0!,)P"^KB9-BK(1;@L_+A]+=W M=5_9$7KR%GQF'!W\&$-FS=ZE!^8+&WQ!XX:?XOKY66KS5M0ZK_[&)5K769S MS]%5T[-_99&JK&_<=1
2-7-%5I(;Z%O8EGN8(V-@/Q/N 31[U]>KMKGMZ M.AV(7L K7"_Q$%=MR(J2EBW=5*QT*6B%IOP M*$5BK,'$L(X35DWA,^@]/KI&$?/B%B?+@^'Z(4<2_SB;C)R727>VD4^%WH3 MTV97F,W":,Q!-RD;MFK*2&Q .2>
!>LD>/F8I,$3T4VNH@3K/QWATX5;$YJZ M=Z@ ESHKN]MX<#TW7NVJK]!UZ!7M !J[9XG%+-^CFE3LN0!Y^ZW)(@2]\C7//"<%9P;P!V&9)I71+1[N($FB M^/5+E*+?
T).#N(HRGT[3EB03LMA|>$1LF!W7VYJT\RB*US0:YAR L(_&-;T M.,/@60G9-1]G"(;727(BVY08$"T,FI"A)'8!$2DUV]UW^/^,5Q;M(&<=-"56 M0^A:SCPM?#[^QRDXDKV*?
#,1HX9/ITNSD0AYUF$X1"Q3S\;QD$FKFZ)X#;TD MYZ!X2!1P,.4#810^$,1.>%^@^DIIH\?7U'N3G+CW\9!Z 9'>%"/L!{8)GM3 M7FZVZ\E#-#]\CH_:*6F6 ?#CN1@K_A\$GFBTXD^F'\Y'@LK(
ZOU.=W6U6)# M-I;1.M)\;<8: LU=2F0;85>5&&"-]!"S.<1Z!S+X41V+U: M8]_IT%D[-F5]&J$K5J<5IHPR6W=O9!!BW(EG*,/$[;VKZ\PHT:-,[FLV[E M5Q9&O]GM-Y,_J?
2X[M7$XX>RY6%%DU_@N$_^-0(#5RR5&3;N+<07J1E;6IE1 M4QH!#!,L G0.Z.H4QT@0T](DRJQA/1=95,2@4SV]W7+*,&1O#X-=P.BN23;Y;,:\;8HK.D /E,S?
UEFNC+K3=)&QCB%,]\XN"!4'^\U+B&+N MDZ:<5!]\9**6P<.C8P?FVH<+&_2M=@GKP'D?!]X#TN A@2^<]X_1*8&A=_^" M8?I:>8H5/WFK\>ER%>W0B;//]
(3>TU9(7=OW'NBN[AU.3)'GX'JN[D>2%'] MOR^NQ,RFP-76'3**11)Q,$=RNUY[)Y 5#9.9@;3DJUL8[^C%CT\,TI35)(ZU'< MA%0WO%S,RO88^YEA2$P8.B?Y=XQZ@"OQLVN?SO5'?P^&2-]T2LY8
I$U- M%*13]IC]D 6V\Y:AB%);@(Y,T%)X#H^,#?1LMUB;--\K"]B(W(]#AR#$0 B2 MY(1 GG[^/85N0AYR2<\23?I(XI)UX2K@DNK3B$[$KESF;:WC3E M6TRKB(U;'*WO8S-JH"
(ZRQYS%>8H@]X7PP?;E$<1*+S3I795.!$6W?$P10B M3J9 0SC;VF!QZ"-S'8LY$X&@QVP4XHAC ,#P-C%$>&9>Z,J?-Q G=BL]BLKDGT.$%V(8<(-;D+P/HKCZ 7K>I,#@(5# ^B::C M5R!:<>36?
L]3B#O:DNH)CQJI9,T)+4>[8-[5!2(,X^!3%E]XS";"\CRY] M/S@$L*&A*?)HM#JH"%^Q/L0&8F LG=)?09 :B'J+6(9;1Fl?9$X,_|>D+W\OE M*7V,B'?8%_B$)"D:9 SZ0-4N=AE18FH6N;CQ'-^Q
$ZJ2*&PNF;:(?:&(I3C]!@U+^P/W^[7Q$.Q6Z1HQ^5^N M[S^ ?2WE_$%>SSG]C.LE^/5_HNNBG*)9'B?%%:ZXQ1J4_#*:LV2FHIF7WKM5| MX>H:Y(;2+J&)[H52-2#AP"V[M-?CW::P\K
P&QLRO,*C73>%2Z++X< 4[VWTJ/V<>-=N9^0)!XZ'=I0&-9G<[=JI334>9F MV[*/'*,)/8?*78">R4M(*31^ 'U&8 M\(L=-$BT62BYHI7LDY7?6;"[NW&A<6=$J61-NPFKD84RZDFF.0\30LDM[N4C
M3-#E0XQH<0.QEJG I D*RN(7X&CE8&XK*[3?FRPUT$?6.H#.[*#G!T4#TYP> MT=-3%-ZED?NWJP-,DDO),Z:(5-<9(A?U?(SPZ=C)O4$KWWAF<24)&X<)90*4 M"S"V:9Y"?1_1B(TXX)?
DJA'H>O+DB75^YBS_RIX-5PNX,E[:1B)7XSDS(P64 M=B(-X3E(D-[4T"X>Y\F%<-*,A=U*_# MRP=|MI!L1*V(:.?1%N:B)GPIWD7.D(65+-=&"Q'W$+49 <.X ;Z'"%OS*>)K0 MI%
Z[6YA?!/3=Q*/7I]N47SW"&.NQZL"&QN0A>46'/0):>$" M'&',BI:;GCL]>4**V?!M/P)2YM7U=U;HOH==G:6P5N@PN(3%[#5CB8]6&'!^*8C82>N1W/&8(Q *K0WE M?_B, X3 ,?
\G _#\.9OZW_PU02P,$% @ &(!G637UKB3@2P 7$<$ 1H+3(P,C0P.3,P7W!R92YX;6SM?6USY#:2YO>+N/]0Y_MPGHAKF^]O M$SN[H>Z6'+IKMW1JM;VS7Q @"$IH.YSA[P6'5W3I._O@K
M_5= |*T(HY/\K]_S^&_/!;%\U]__OG;MV_?3-_2K,'@D?3?_[W7S]]08]D M7._BA#(FF>QW_-R\]]2E') M7 &R%;,_%_=N[NMD[^J-WNO'.U'_ZGH<_$&ZL5EM^9.D:W^%H1?_[]>YZ]\WU M<_'X$TJ??
J:_^/E#2G22C+$D>,2[R_N&(]K#|6&_)=$B*1US$ M'*ZG#[RSNT50?"G(O^EBDM$']'(G,DT?29OX!9.YEC[A3VF>?TW@)B33/!R% M:\P'ED?Z"),'G%\G7XH4_?
&8KD.R4E[^8Q,7KS.B'?"1Y1'#_^)G7Z;4YK, M+J>B(PM33#YPFY'U/2G*M;)OM!R2J:/Y0G:U."(S,2DN$$HW24'VMEO"$13C
MWD5*B'CJ"'"\0T:H\IJ!OHM_(GY[B\]ZCQR1=IP\"@2EGSK._R"DPWN&\Y1 MLZE?O4Y(=T6:"3"BH^G4K]]FZ3/,BM>+)*1S_YE.GKYA\&BFCN>7- V_Q>LU MZ?N:3)3D(0[6^"+/!39<
=+ILJ*;PCW\+B*K5M/),YTNU-2>"NE.118_H:6' M3S5U3)#13Q_,)$Z2]PCEL-?F;*4R(3?0*@W4O M]JZV4[]_E6:8K.,W9%*6LNV%SR2889^G&P@Y,@JL9IV-)\LB)BL2V>U?>P5Q MW'#1?
7B6_7CN?;G:R.ZI+O:..K+/QC'N?V"B8!$OL@V)#Z]=<<<$\4&Z)P!S/N MCZ+R9!#,LE>^/][UQ 8E0KO$OBDVNG[*>?90L=%TM9US/Q4JV2L?W-M -5W0MN04>MYQ\,,MZR&;<&06YPZ:8 M?
RS"7!(@76+G%F29 .F">[?@(,5[6'ZL^O3!Z@O8&L(SA$4Q_U@&S)>!TF5L M(4&F"1$O.L)>I1.C7G2,QJ0Q&B<9HI[!*#NME"4M84#<%2!<<7:]>BM#.8ZL+ M\]NS\:PCZ.5)=^M9Q] [%
[M;SSH&X;G&IYKS)"6J(VR2!48CSBH(L MZZ-;:ER]DZV7<*F1"8M5N(-9/=-#1RE$/)OG>O#4Z"-DC^RY<1_]B?S@@ !_ M+W 2[J -Z2A%XG.*N* -
M>T ^NK=/B+LW:ILN;J%#WAUG41]K2]C2K'5(]J MG:*#@:QI0%)Z%/]#QY&3@91A1SE&/SVD+S^'. "YCP>@?2B:5#*) >5W+X*\ MR"#:75:N88#79?^
M#E]\O/B8[HD6E6\WN&'F'XS*3[#))]P]M.Z6AR-LRO(B M0ZLT"W%&Q&%#W"#-T(,%VS%;5XN?G,KSG'7J,USOA1UZGQ.)4Q9>T9[A-]I%/ MG8[#'PB:#*ZOB3)__[_XE,R =E(FUI/[GO38S=O#%D(L-

22P MM O(23EY0;X>TA%%#-RN/F@CQTI3 RTXH)V7FATU&,5S%.8+KOV.8728A MC1]F+/[,UD(LMB2PN ^@A)7VRQ-]10B,>VM%6V$Y8,]C[B]9KZ M9&#"W<4.VPDQUY''W Y0$GA[^82S!V+D_Y*EWXI' 28S"(2X[4KC-A>F#-ML MNXC=X>C1(Y3@U.8WXW&8MR6>?QCX).Q.:9/3^GV?4YY>93?;(KRZ279/[A;))=.. M3 (R#HWBJ*4H_O ;P*S V?IUNXGS%;_56(SM,@Z2/? CD.),RF&P#TD28W6XM MQFT91\H^A)*LE, ^;IV#OPV>9*'4K,?;*.U2V$4E@*PWMR8AH2[Z43Q,_T(C^ MC*QP(=?1WT,HQGQY9TPAW!+D<0^_7X<$8/G @HZM7^>9)&(RD'?<[,$]@?L7 M84BXE%? ^10G6.=QOK.Y&-=E'#Q[,2K!<6,8QPW1RQIY!U$.1GD<'[a^>)/= MI]\2 7XW&XMQ6]YU(Q.?/%Z7^\M-=INE+_$V14H?PUL48ER7<20502]/];.92\K0WF70P&89L- A^V$&.LE"O+#B0G9>6GE#K2 M'M.$>]YIMQ)CJ8SC) O12=GZ!:--1F2K&\$]C?[J9FN[E1A;91PC68A.RM;[M#%*GUY?7IR!==_/T](D80V4<#3NQ2%'2R^^H3'W$#K?K;BG&6QE'/AXR*7Z/ M M.1QB_X(RQ@=?/)=WAT4XBQ7-YYCX^TQ?I_^;F%@YQ8_E@D(%F +:Y.|>('S>JA9>%WG]D[V.53| MNT'>1%=Q0@83DSTPW7I3.4&^%;D(-8@"9"%[^J09 V_[8++2IGX\G%3 M-B.R Y^M? (6P[8.KI:R&V\?#R4/YEK[,O7\3?+1R-@/ 1G&_WZ<_ 1^K7;+, [63-MN4H$1<4LH \/8!G MN(")(VO$BDLVPC^G"11@A^^; T.'R.Z)6U!/2D*@&J'D\LSQ/CL<(*0%YOF* MX A% (X[\O$SO3S$,XG5,9'2'PPSD:TNV3) M"EJlL&F :YJZVSIJR)'>8%'T"90%MA%1+]/I7B7@$G:W'[8'4/>0J\C$$V Z MUJO.@-:(OI@:L?HR)';Y]+Q.7S& ^ MPVMZN3Y$\7(IP-0BR)?$7 &6!D* M0FP\)Y!BJ#1R3/9*K:,Q(@R6%(XXX&3B\>%?!-)W!; MY]/SDI@0P,8K!C7. $-L?X"QA=TSW\XCB*7Y*YK76SO&GY M#:XWG!6UHS$@/U'F F*>1VW!$[@0*R(;V9&83%Q MUT*2]; F#,OW6'!]"V-R;/T GV.RN\) /8=]"FR/,XHMSZXM?AD1;L@ MM'G:E%RH58#2=Z<.UH#*,%A77NN >,CCF(47'05K+RSFWHTU?;-'X0#B@8X2$X2\MZ<%PKAKG9CA M?9)**1UN2WX_&>>[NMF=_!')/?8? 7C0;] >:/Y'@+D:U%K3IS(=ENOTV^4 MY5=1]C'=!$6T6;=?=?=<@W!D2V 7U%[E0'2:C;7!N%76[>B,-C.YEE-UG) MB+ |%]85@T4]"'QZ$/ENI(K38[@!X*6FZSB<+#;;/87F^(QS>) [A?]/LD> MTX% ,Z)0D6B&J4I0WS(2/ (J/?5%:X#| MK6=69 U"X/K(4 ^4\M8PB8) ML*'KXM8CTS<@\7[(!CH4P,28&BE;081R?4&_ R#BA1[^,;Y+&.GHX9 =P- ;4\1?.)#EG6)CX6ODF#V[M[96RY::3)]S4''PZ$/I&9"ERIS]'Y 7A2LYERTDZEBJ'H;F$V0_W M;)/D[FV***^;;#\AL"L]#=-\OF\:*3;/4?M(J JEKW""'>9>@S (0. 'KOV&EI4^G)*S\Y)]2N3 +== , MF+;IJ? *2;PX9=:-KI.,]K[G(>W-Z11:@^"'9/F9 K_<93'):A):(+ G+OZVW M @S_GE>_RWP/N%!SX!O:'Q9FD^1PSQ&];MF3GPT;=S9%MB!@[6W(,1^B-,2$/,D\#NF:,AP>/%" M!OZ /V^> G+LC$0B+G? #%NT#8-.Q/$5*+LTCL<'0IZ4J9E5IBM>;8\EH& ;J8K5"W1 ^A,D# MSJ^3]M- ;K"S/2K8>?NQ59RLFI [7ZOM!Q4*>]Y32TF('<6$KN^ ^ =[S M$VL>M@.V'@1(D<5W&), [#5(&NMU%HZ1$?;MAD?F.K\D?.6Z)=EO@>:$9*'(- MS. P7QIM*#O+4KI(MNI%3S)I4F9=^1Z+2*>+#"#'U%6)N1DE*'XJR>5(CL;V M,7V' <<*65&=SH%/C2;7UCLOU3H'QP4D6U''VL%\QM:)XH:E=[8'NVA%6Q+[D M\[M31#VH)->.861O[!,5EPP8D1FHXMT<(3$Q<)(KQPCD8>P5HF@70+.LR%#D M+ <\8@0X&VCX.S7$\ [/"&>7[1>#;+7A%I>U3$'3;]>&5\U! D5WT1>Y]_MF,K%]6U3D7*0'$N[V^#K K)_"CK,4?^,LSBEGH>LD'A#.#$3*'8BY"E26V*P M--EP]H'))X@C8I&>?+%%\QQF*R_"J MNWQ# @]I7FW^[!"C!E!98;9JKB0AT0P$..D)YU@1\6>-F5-OQ}6^'1!$= M 9STGI(A(FK2T+2G99J7VM:\2K/R96?]@.PW\]>G:..1.J.$= 4N#H7..R]X$ MK),>5<,UFH/ M, H=6Y'*FJ-.8VQ(QFT3BN? >TS.^!G,7K@!XXEGFF MLIT$>/0#R1>-!X;A((<(E4IW@OFCU?K]!L_ ME:4S*KJ+=+T]^U8HD&N'=U#|5HL*Z(YMM _,JGFR;I .ZS=*7F*C! ^]>O.4T_ MM'N >X&*^&5;PJ<7Y/"^@&;IE]=(5\A&;&VWK' 95<\H=D$ ^1;2O@WP$#*A M(B[N"3SOE&$'S+%W%_)-IX^8C!C%'KLU$Q0Q18TAPAXD6?;;U3R(KCE%CLY M3##V$0<%+<5&?2BW%Z>&>[NMF= !')/?8? 7C0;] >:/Y'@+D:U%K3IS(=ENOTV^4 MY5=1]C'=!$6T6;=?=?=<@W!D2V 7U%[E0'2:C;7!N%76[>B,-C.YEE-UG) MB+ |%]85@T4]"'QZ$/ENI(K38[@!X*6FZSB<+#;;/87F^(QS>) [A?]/LD> MTX% ,Z)0D6B&J4I0WS(2/ (J/?5%:X#| MK6=69 U"X/K(4 ^4\M8PB8) ML*'KXM8CTS<@\7[(!CH4P,28&BE;081R?4&_ R#BA1[^,;Y+&.GHX9 =P- ;4\1?.)#EG6)CX6ODF#V[M[96RY::3)]S4''PZ$/I&9"ERIS]'Y 7A2LYERTDZEBJ'H;F$V0_W M;)/D[FV***^;;#\AL"L]#=-\OF\:*3;/4?M(J JEKW""'>9>@S (0. 'KOV&EI4^G)*S\Y)]2N3 +== , MF+;IJ? *2;PX9=:-KI.,]K[G(>W-Z11:@^"'9/F9 K_<93'):A):(+ G+OZVW M @S_GE>_RWP/N%!SX!O:'Q9FD^1PSQ&];MF3GPT;=S9%MB!@[6W(,1^B-,2$/,D\#NF:,AP>/%" M!OZ /V^> G+LC$0B+G? #%NT#8-.Q/$5*+LTCL<'0IZ4J9E5IBM>;8\EH& ;J8K5"W1 ^A,D# MSJ^3]M- ;K"S/2K8>?NQ59RLFI [7ZOM!Q4*>]Y32TF('<6$KN^ ^ =[S M$VL>M@.V'@1(D<5W&), [#5(&NMU%HZ1$?;MAD?F.K\D?.6Z)=EO@>:$9*'(- MS. P7QIM*#O+4KI(MNI%3S)I4F9=^1Z+2*>+#"#'U%6)N1DE*'XJR>5(CL;V M, 7V' <<*65&=SH%/C2;

M)M3JVAHQ+EDJC";J>$M"RMC%'!5)P_)=4&)FTE'2,M2RQ6,8->N9<[H04C3 MF*4<(CDCXI E.;'$E+@_5P:%D:K 4CV.#%'$Q, MUR:&.GB!E)2N;N3I R/R/NGK;7(2^E9WS,F54%Y,A6>5E/3= M-7TKR3-[*KO/[&F6>KA8$>$-!#LP6A603 M;MQVR=>'OYA_>RO^XMS1CI,V(MWG\QJ"4VE:[HT.G!9ECLVB>GU>(2VOHZ\K1FV\FM6=SO78)+M-MPUB2$H([;Z+HP5WC$8O(CQCYY<3\,,C4M!R\2HDKP1N\6'JDH%39N)HBDN<> MU)-FVZ8UOS.=HE(E:A&B$V.##\S7*]?3F6[.*647+OHSS%H7FT!\CJP>"%4' M)KNM;]DHR;CIYLR7%4[L @_4![86GB\IG:T_ UCR_B$]=?FTJ?&/* MN\K7N[P7F\P;+H0M5P!(=!ULFZ/@8]JR&NRU94?*ME]VVBY!4#@0^$;3>E:5 M@J X(,C7WO9\CNS_/VO8A,]TB47,?^B$^)&>Q;\Z,&)18+*#HI'NDS%=SV M?8LK%BLH(C$PD\ 21HY72@QSAP1WH=UH!C%&&A:BC/ -Q*]'=.HD21PM*54X M=T!4W*XDI2CANAC#O3".F>X+L50L3[QLF^?]=]G#Q?^2#N_$#RF5$%OV(8FN M\((.2@TEB#]$2?&'QQ]B4S>&\3:NY1)N_&"_ "K 'QX%KTRV0M583@T67=0I(IQC\&16G/HK?9,U9[A$.-)& ^JT:]NT &[,N(E_G7\G_S$M'L]> M$I]OKE9TY]I;$O(K&?W4S:<#(AT3GDO+.BBV3&"S#"RB4@Q;VN'DXY$YO* MF&(XSL*D^N-I7?BJ43%??WM*]'$Y(;I...t!%1V0(5W\"@Q}4A'5J!'CT)& M+:VXE%*[1-2E:P,W4>N!ZJPEM#W19L6"5B;[=,.R2WSM%5]%4(B%@-C!ZL6H M%+SR^/7^1 ^2H+*V2+N^?CQ+C@%HUSD6E3OZG#$'YIZ13 ?EIZ61RF)1*=O@J M $^5M"H$7VVPFT4EVM[.!V)S64DYX7DNP8F=M3/[NJJZH7NL MF&|YH$?9VO)WIL6&[I"=HKKHK@"1(:6@?K 4J KAO7 DGN6A2(M#4TG[A-0QJZ/O M9#31#&K-PP0Y7$FU8;FEM-HKK@Y.8NT;6@K!!(V0)W\XI MIQ*58>3XM%KQ@[^2"(E?8,(#:E-M@'!T&M+/:/ M(;?F]9\R?!9LZ:"FB0E@43CH+?NO5\;3R ; MX'7&TR.UGK61J%8%%I\ L:>"&=ZWO*F&>X?%K>.@?+YO%;K[3;,QX0WULVf=(M:J* .01&2<'JVS%*]PEN1R2IR[%IR4<$N#(!JR " OVLE)$M(^KA(;,,@;'8H):N5A92$OVM* M"#6/-.>,0)=>!!$2[S.HM)1 M59G (?H]T<#8N20SS2'Z8=!NT]H*1BJN\#.C$Y8[-0W6[K38@1$;SC%K$IT^ M"4K.E#[LT#;H)M*6ZB]'J5<( )1Z\[ )72K<(A,7VR\XJ9&%N;3:0'4O]6 4ZE6I.3/IXUS;RID"Z12Hf[=FXHY8%YQS#,FT*E>MZ/>LZ=CJ5Z M+@2]2O4L&'TVW&HMM=@A7G MU=^ ^N'U%!4"I-P^;T*7"+3)A%]934\3#\ZX] M!*5O>]=&8JX4*JV'O1V>\Z5C:004@EZE+A>,/O%VEP"J6A3CI2ZB\9)3O6_A M%KGCW,UJ];12%VV1;%+9%ND:&E_AC\>K8%E32FS7HA>;:=9KU=8Y?.?_W/_* M_S? ^?NU=CQ-B47OM=1[GL2]3O0_&OU]YIZH]PXZ%G[QSI]0BCFEE7,7:[_'# M*VJ84\V(>FW2U2RJXM/R[#%+.%,_AS\P9^TE[/85ZF:XVHS?\YH41E MX(+!+[XX9*A3R7;F,J!T#)@XM;7_TO/][/7SBZ:"1J!6*G^#X9VAJ0{3'?BA MH_K/?^T_7%T_G'[M#P;][^=28_8JV::NJ9)//L'IV;,;GJ^M/__)&^<3F]?%MEUG$U"HSYS/[YYA,-7U^[H"JM26#ODB@A(CQ>4JL)\TXK\Q>3R[^YR_59N7S MET^ST*MN^G>#T\?>OZ_/)?8NB7UPT_W>N_W7N;3Z-NE[]^%;[^Y<@O=]EI!E M3HFN/1GG(V!+:GV&O;$=RS2>+G[<]0;75]+CH#NX?OSRR?MT/V,_7E_^>.@- M>M>/4O?N2KK^Y^6OW;MOU]JE__OWWN-CKW^WYPGJ3NP)'LYK$/JG^Q9X1(P*E[9ES6?4_8<+EBBU]/D#G9F6FJ0^) MKIL@(U^7<(#FUO_\I=,J-S^O0H%OP?K_E_[QH_LPN'ZX_9?T<'W??QA(/^Y M-DL@2 8@+:.2]O4?I&KC@_1Z3M](@U^OI9",>1+]W* 7U<[2KWX+'UC6I(S MH=*?/B4D:C-)8/E358KD>/8>E8Y,B]7; +4+RE77#+I#9-RS65SSX\<2+LY5 M/%+"BR/=.;P,ZE2D24<*9VX*"(E^P_%7\/NU(9%#'[W M.(-DJ7F2I9YNG>//29%/-%R_^/A\4?W;B -^]6 0'C!!3Q))_PDUNC\;<3:41U?494%5[]RTDE?)#SQY]0]L-J RVF^,/:7RKL M_Z3JXM#VWM;UCC#S0)\T&UG2N8-OEG%3/[FX[7W[=7#?'?P]#:XO?[WKW ;_ M@822I=[=Y5DB3?K)48/3<-RFYVE37[^2D<-6+9O1G*Q%;LF=TA,XF5=(, M27-L:31AML_'E9G'GLOS(KS/+>&-W _;M'-F&S$Y*O?&W_3#0;G@$8WO6S#-R M2E#CTG0-QYI?FBI=-RAL? *:J^) [5FW2QLG%%=7)"T'GU291S."WV%G?'[6\ M<=L?#5>&.4P"#LAKS_,LCQ@1H[1D\^2BW82W5=I*YPTU^=Y"C6%0 GO*Q#BT M]! 7TFQ58VV^4P25A/Q-#^R_[J40JC*@^DYKFOO;.'L\?8:[X>FNJF(S>^|_MYI:[\O|W#JY]#4KBG0Y M@<,=-9Z GEAU2KIT5IG[;%<&^/[<:LMS:IJW1=XQ<9CL[%OWH))!DJ54WW6PAFYTT]4LCK/ M'4_SWH1YZ/_69MS&", ^A>G*AU-JUYOMZLCYX$T6%,[-@*[49T27Z2D>NHSVC MM3W&#R ?2K]"D("[73NM5RK*.Z-[<2[^G[^.T:)769QN>T^D,9^ZY;60X M-HYT%X])$ICS!';C('#X"""QLL8;BWGF96G'[>+!V3$E>{*9+-7:^%' M% #HU^N.G',QG4C>] RPNWZD\;X>FHYC3B. ^#TWE/ZX-%ML)G!VP?%JNICDM M>P,[YBQ^5NS(OOZM-V H54&!(]DSM1PP)W5OMO#BO9S2!IJC, <*)6!?C3"+ M; ^-9=N.ZO97YY, %^A_A#\+_9GN#'R3:*X_ ^H1>$=Z_R?KMG$29'"N?3H:E_ M0(U9L+U[/^3=>7X]!CSZ.IH0L/,EDPOPT^68BO].=W(3=|W]N\K;,W5,F\ M6ALR(;&L[>LG%RSE5^I*/.E78EF_LC0CEO1,=)=*?ZV<8;KJJBD@.%\4C4R> M".(2)E<6Q9.+V_O!KR4)-I:@ ;0SKCEVA-D/"*S>CY%,1=U-&V>@#BT5?+G MVLF4<96$V474D:7;V\L]NYE\]RE7\W4Q2,]0T:=&I>%<&DTH+!WS8%*H,Q; MBK9]F *[TH?I1FA";Q6-5B>@Z?(F) FC_NEJ:/]"Q3NDW@/PSL#Z5=#[R8/X MG@T<,IU](J)=C%]C$%]27>R.S1Z=671$F>*OUB26Q6)+'^!]0&{)=D%YV1,3 M@U%^D-R9$&=U[B]D>98LILQ^[*WAHRP10Y4^U/@:AP :^[X'U@!/L\>A1_A M++SW8,Z$S2;!)DEL1^I4))7,[9UYR2Y=RX)1>#X&BAV'.*Z]#.,6R<6_,*-X M!GE=L]L5=7PH2-L1.H?&.\,'NP84GZY4& A9.P" [OHR0]G@ZD#[@9K<\U17;F M/>!,-I8RG6'(- FTL*:S9S< %4_[@R+H;W*K?*@N8S%=HG%:"P"^8FDPQRI M1$9P#,;; T Q))&%@B?R4PGV\#3R"WN*CGK+DUT(GY$YG1%C+J.!<,+] M>)*>+//%F?A?GX'8I6QN7D\[:/V% $7/3:WR.6Z&[.OJ9_ ^Q-Q^(GY_(,I: M[^&8N?I/:@;G-3",3VN^)@BKC+-=@Z80^.0+P_@.HMRWT72/CZ[7=A5=7W!] MY#@[6E_W_5>6/ :><<0=9L99E[!33Z8UCS"IV4-L#T?>0ZO6=0>LZRC!M>E@ MM*,-;\;%OS. ^]#%.CNUVF!V1CLW6;S"4)GNW$7\O8(\ WIC (- [KZ/UE9"0 M\.?ZC4WUDL\T%32JL8G=!WXT'F^PHS">%6G^:>.H4P@[>X 8-$QV='!M;H/!ML/S&2$2>-YAQ.)8^Q\%?-!:@:AF4K,%$55B MJ;:$D7E-C0M(*1_(QRAS*MH4WPL1,*]#'E/I?UX^[.E4]XD2R\&6&'Q?^,:N9=$?>]V]Q_3FS_%UBMQG: :?"..V)' +PUE4^@=B_" M;-7K?<.6!FL/@W6E4L&Z"VI18X1?J>\O-GWYCAF01S4=E8XTL$-.)+Q8SD;P M;N)+WC?V+R>]NYME,&,R0T=N-NMRNQVD4OC3O0C(9;\(,@R$5GH8QS*D9> MP2E\9S[SRVUÜ?K?M+)<=9R?^+/DEO?C(-5)&<4VA.D'*S>CY(J)=V47AD.T(_:.=AT=>&1\O.4C(%' MSB6BOY YEHM(;. ^NS;K(-0DV7U[9(;[:E#8@4B=]6+]JU].6T-_DQ"$@*+T1 M5Z61^#F8&RTQC4A"$&--T]#7O"_FI/%M;\GBZ:Q+M'7A=I.!_FK$@1L^A M4RDR4>13Q*T1,2Z-=/9S9^0>Q&^2JS2Y;$KI3RCX. ^,)^'E(1C_AQ.P:ZNG(MU$WK_"^C$:7CL:?]31W%W"\GM1W Z@N1)A::F7^Y[/[& ^/=AW_=]0?7)Q>7 MQ&5U#*TY6'JPA+@TC1%E140ET#$O<$0^O37-GRRAS"^Y9W_Y1';NF-SCO1Q% M()*/V?^5S%R(=V:E![Z9V==% 5//]B>@IBQ'ZDDW@;>K9_!S)W WY]<(%5:, M;1>)E,58W3& ,ZO&W:66G54U4)7 E_H#.V3BQ|&<54- S1@(JK4L/E?[$#&PM=?B0ZPHM+CA-(24*+* M*#$ 9:,SYTU$+<03\]V'R^-+O#Z^]. '6M.V/:_*U8&AK"(2V Q1?E)6(3P,X MAC<6S+0QULD".Q-35ZEE>]$RB=>=+SKRF@(A[P#EW&6*7LP1>R+=Z.9+T55H M2R!H':!0,TP'*[>CT\[&E)4W87: 9G];((CE>I*L>2?)FD G29C3=V*0)X:D M((?D2K-'+J](B=GK78/HI<^/5GE->E*#HR:U6! MH'F TH]CYN3B(+$C4GSB (VR6PU,=Y6="((_F2#RFGBA0.(]/HH.I)< MJE+7LM G40*IE$UOBL&S!B@LG[2^HNKC_*,7S0BD">:%@3O_ 6WMP<&,%2E"AP0>Z_V_T1^DFPYE$AJ;K M>'6+I ?-_EETY!VLDVF5RG4>76!D%?WSGRFSLVH>\L<4?40!-K!PJJH*6U% M>:>P^;$U/S^V]_79=>Y/Z98^PM4838L?\MD1H0>1=X(P1!Z$* MJB(<$Y:0\6&=5ZIH9E6B:[BR;_ X2(.NF!*WS6#@MP;4Q!9(<=>B;J"R*R& MAZJ&.*B'*<5X!$H]"2^EFAZ>FN+@":9T_3K1AEKA,S04D=(02R=3@=XI2,V3 M-3>PK3V=7#P"R(FS,!OV[_C=.:/NX[]JCG7;BEI>;Z5,U5 ';(>*5$EKY?Z^P00??N\\^7)W>JOO_A_J^"0'U]^:IZH_I3&ZV]T,FSDQ M55D111=@81$-BXP&EQC1UZ0MK&F\0,M:N_S#)=BI19]+0%4/]M4+ZA@&8+^MY$])O.CS(YTYO"2I4N$U2:4/^)37%6/UE5X[C(_2E,RQ@"O,U&=X/&Q5]%* MJRI:+2;MJ]' (M)LOE2:4F)X-7/]B,].B(9/"2N62*9)[>*++C_O3 ME!=OKEXG[/D4.T3XX<4 2 Q\Z-[2GK%$<.CMM_ ?GJ4.NX?D6@S3:9Q)@PFU MJ12_95ZW6BJS3,R]+0ZIK= Q_F*RWE/:,3DW@7'NJL+J'9, MBR77CLG(L<_@% G2?TJE$3I896ENNO GL("*+2'&\TW;.9P#EUE3S0"[Z&G.MNQ.!J3WJ J!7^|>\:+J^UE,&"*&KJY_RS5W]%(FQUK0&IHF=MQVZ^@TCR?/: MQJ1+'EY[N455+6),$Y6+1A83!Q)YV!9BFR)6T<9_(8(7K8TBJ7T8 -XC*"'D+HY\]XY'B-+P4"N+2&^*? W+;W MFQ=,L/,1#@?_+GMSF9 M:,O^+#U1@UK8Y1Y 84ZU46AOYCC7GW0N>GF!Z9LJQ%#Y/2"^P.];63]T3P MDI%_NY;)/]U\D72D,9-8P4.\50-.P9R!ND0WY2W#L0 M$"Y@T>37-EG7&-N!30&8X+_@O"ZQ7%[8H189R3$\)?M2)A]'LAG%6AD:/8$ M<,+O\']0CD\D<:X!_@6.%S LIDB,E_ 9F+TT(P006TP;I"BH%S&FG!7J&%,B_T*1Y%YSPF^)L;G-H?F%,F)[T0P4#!(, "UU!E]#\KZ(M^#,!S_$U8\T:.^1.L2X[?@?J+_ $GVTFT;::XB<'C+F=^& :X1_=JE^ \P%[J#VI\(L&!8V '*S+9I,-7N9O+GNZ@ML_C#FTN=(K#<:2[.U M/WN80';SN5>EL&GKF6[>+!V3$E>{*9+-7:^%' M;-7K? <.6!FL/@W6E4L&Z"VI18X1?J>\O-GWYCAF01S4=E8XTL$-.)+Q8SD;P M;N)+WC?V+R>]NYME,&,R0T=N-NMRNQVD4OC3O0C(9;\(,@R$5GH8QS*D9> MP2E\9S[SRVUÜ?K?M+)<=9R? ^+/DEO?C(-5)&<4VA.D'*S>CY(J)=V47AD.T(_:.=AT=>&1\O.4C(%' MSB6BOY YEHM(;. ^NS;K(-0DV7U[9(;[:E#8@4B=]6+]JU].6T-_DQ"$@*+T1 M5Z61^#F8&RTQC4A"$&--T]#7O"_FI/%M;\GBZ:Q+M'7A=I.!_FK$@1L^A M4RDR4>13Q*T1,2Z-=/9S9^0>Q&^2JS2Y;$KI3RCX. ^,)^'E(1C_AQ.P:ZNG(MU$WK_"^C$:7CL:?]31W%W"\GM1W Z@N1)A::F7^Y[/[& ^/=AW_=]0?7)Q>7 MQ&5U#*TY6'JPA+@TC1%E140ET#$O<$0^O37-GRRAS"^Y9W_Y1';NF-SCO1Q% M()*/V?^5S%R(=V:E![Z9V==% 5//]B>@IBQ'ZDDW@;>K9_!S)W WY]<(%5:, M;1>)E,58W3& ,ZO&W:66G54U4)7 E_H#.V3BQ|&<54- S1@(JK4L/E?[$#&PM=?B0ZPHM+CA-(24*+* M*#$ 9:,SYTU$+<03\]V'R^-+O#Z^]. '6M.V/:_*U8&AK"(2V Q1?E)6(3P,X MAC<6S+0QULD".Q-35ZEE>]$RB=>=+SKRF@(A[P#EW&6*7LP1>R+=Z.9+T55H M2R!H':!0,TP'*[>CT\[&E)4W87: 9G];((CE>I*L>2?)FD G29C3=V*0)X:D M((?D2K-'+J](B=GK78/HI<^/5GE->E*#HR:U6! MH'F TH]CYN3B(+$C4GSB (VR6PU,=Y6="((_F2#RFGBA0.(]/HH.I)< MJE+7LM G40*IE$UOBL&S!B@LG[2^HNKC_*,7S0BD">:%@3O_ 6WMP<&,%2E"AP0>Z_V_T1^DFPYE$AJ;K M>'6+I ?-_EETY!VLDVF5RG4>76!D%?WSGRFSLVH>\L<4?40!-K!PJJH*6U% M>:>P^;$U/S^V]_79=>Y/Z98^PM4838L?\MD1H0>1=X(P1!Z$* MJB(<$Y:0\6&=5ZIH9E6B:[BR;_ X2(.NF!*WS6#@MP;4Q!9(<=>B;J"R*R& MAZJ&.*B'*<5X!$H]"2^EFAZ>FN+@":9T_3K1AEKA,S04D=(02R=3@=XI2,V3 M-3>PK3V=7#P"R(FS,!OV[_C=.:/NX[]JCG7;BEI>;Z5,U5 ';(>*5$EKY?**Z^P00??N\\^7)W>JOO_A_J^"0'U]^:IZH_I3&ZV]T,FSDQ M55D111=@81$-BXP&EQC1UZ0MK&F\0,M:N_S#)=BI19]+0%4/]M4+ZA@&8+^MY$])O.CS(YTYO"2I4N$U2:4/^)37%6/UE5X[C(_2E,RQ@"O,U&=X/&Q5]%* MJRI:+2;MJ]' (M)LOE2:4F)X-7/]B,].B(9/"2N62*9)[>*++C_O3 ME!=OKEXG[/D4.T3XX<4 2 Q\Z-[2GK%$<.CMM_ ?GJ4.NX?D6@S3:9Q)@PFU MJ12_95ZW6BJS3,R]+0ZIK= Q_F*RWE/:,3DW@7'NJL+J'9, MBR77CLG(L<_@% G2?TJE$3I896ENNO GL("*+2'&\TW;.9P#EUE3S0"[Z&G.MNQ.!J3WJ J!7^|>\:+J^UE,&"*&KJY_RS5W]%(FQUK0&IHF=MQVZ^@TCR?/: MQJ1+'EY[N455+6),$Y6+1A83!Q)YV!9BFR)6T<9_(8(7K8TBJ7T8 -XC*"'D+HY\]XY'B-+P4"N+2&^*? W+;W MFQ=,L/,1#@?_+GMSF9 M:,O^+#U1@UK8Y1Y 84ZU46AOYCC7GW0N>GF!Z9LJQ%#Y/2"^P.];63]T3P MDI%_NY;)/]U\D72D,9-8P4.\50-.P9R!ND0WY2W#L0 M$"Y@T>37-EG7&-N!30&8X+_@O"ZQ7%[8H189R3$\)?M2)A]'LAG%6AD:/8$ M<,+O\']0CD\D<:X!_@6.%S LIDB,E_ 9F+TT(P006TP;I"BH%S&FG!7J&%,B_T*1Y%YSPF^)L;G-H?F%,F)[T0P4#!(, "UU!E]#\KZ(M^#,!S_$U8\T:.^1.L2X[?@?J+_ $GVTFT;::XB<'C+F=^& :X1_=JE^ \P%[J#VI\(L&!8V '*S+9I,-7N9O+GNZ@ML_C#FTN=(K#<:2[.U M/WN80';SN5>EL&GKF6[>+!V3$E>{*9+-7:^%' M;-7K? <.6!FL/@W6E4L&Z"VI18X1?J>\O-GWYCAF01S4=E8XTL$-.)+Q8SD;P M;N)+WC?V+R>]NYME,&,R0T=N-NMRNQVD4OC3O0C(9;\(,@R$5GH8QS*D9> MP2E\9S[SRVUÜ?K?M+)<=9R? ^+/DEO?C(-5)&<4VA.D'*S>CY(J)=V47AD.T(_:.=AT=>&1\O.4C(%' MSB6BOY YEHM(;. ^NS;K(-0DV7U[9(;[:E#8@4B=]6+]JU].6T-_DQ"$@*+T1 M5Z61^#F8&RTQC4A"$&--T]#7O"_FI/%M;\GBZ:Q+M'7A=I.!_FK$@1L^A M4RDR4>13Q*T1,2Z-=/9S9^0>Q&^2JS2Y;$KI3RCX. ^,)^'E(1C_AQ.P:ZNG(MU$WK_"^C$:7CL:?]31W%W"\GM1W Z@N1)A::F7^Y[/[& ^/=AW_=]0?7)Q>7 MQ&5U#*TY6'JPA+@TC1%E140ET#$O<$0^O37-GRRAS"^Y9W_Y1';NF-SCO1Q% M()*/V?^5S%R(=V:E![Z9V==% 5//]B>@IBQ'ZDDW@;>K9_!S)W WY]<(%5:, M;1>)E,58W3& ,ZO&W:66G54U4)7 E_H#.V3BQ|&<54- S1@(JK4L/E?[$#&PM=?B0ZPHM+CA-(24*+* M*#$ 9:,SYTU$+<03\]V'R^-+O#Z^]. '6M.V/:_*U8&AK"(2V Q1?E)6(3P,X MAC<6S+0QULD".Q-35ZEE>]$RB=>=+SKRF@(A[P#EW&6*7LP1>R+=Z.9+T55H M2R!H':!0,TP'*[>CT\[&E)4W87: 9G];((CE>I*L>2?)FD G29C3=V*0)X:D M((?D2K-'+J](B=GK78/HI<^/5GE->E*#HR:U6! MH'F TH]CYN3B(+$C4GSB (VR6PU,=Y6="((_F2#RFGBA0.(]/HH.I)< MJE+7LM G40*IE$UOBL&S!B@LG[2^HNKC_*,7S0BD">:%@3O_ 6WMP<&,%2E"AP0>Z_V_T1^DFPYE$AJ;K M>'6+I ?-_EETY!VLDVF5RG4>76!D%?WSGRFSLVH>\L<4?40!-K!PJJH*6U% M>:>P^;$U/S^V]_79=>Y/Z98^PM4838L?\MD1H0>1=X(P1!Z$* MJB(<$Y:0\6&=5ZIH9E6B:[BR;_ X2(.NF!*WS6#@MP;4Q!9(<=>B;J"R*R& MAZJ&.*B'*<5X!$H]"2^EFAZ>FN+@":9T_3K1AEKA,S04D=(02R=3@=XI2,V3 M-3>PK3V=7#P"R(FS,!OV[_C=.:/NX[]JCG7;BEI>;Z5,U5 ';(>*5$EKY?**Z^P00??N\\^7)W>JOO_A_J^"0'U]^:IZH_I3&ZV]T,FSDQ M55D111=@81$-BXP&EQC1UZ0MK&F\0,M:N_S#)=BI19]+0%4/]M4+ZA@&8+^MY$])O.CS(YTYO"2I4N$U2:4/^)37%6/UE5X[C(_2E,RQ@"O,U&=X/&Q5]%* MJRI:+2;MJ]' (M)LOE2:4F)X-7/]B,].B(9/"2N62*9)[>*++C_O3 ME!=OKEXG[/D4.T3XX<4 2 Q\Z-[2GK%$<.CMM_ ?GJ4.NX?D6@S3:9Q)@PFU MJ12_95ZW6BJS3,R]+0ZIK= Q_F*RWE/:,3DW@7'NJL+J'9, MBR77CLG(L<_@% G2?TJE$3I896ENNO GL("*+2'&\TW;.9P#EUE3S0"[Z&G.MNQ.!J3WJ J!7^|>\:+J^UE,&"*&KJY_RS5W]%(FQUK0&IHF=MQVZ^@TCR?/: MQJ1+'EY[N455+6),$Y6+1A83!Q)YV!9BFR)6T<9_(8(7K8TBJ7T8 -XC*"'D+HY\]XY'B-+P4"N+2&^*? W+;W MFQ=,L/,1#@?_+GMSF9 M:,O^+#U1@UK8Y1Y 84ZU46AOYCC7GW0N>GF!Z9LJQ%#Y/2"^P.];63]T3P MDI%_NY;)/]U\D72D,9-8P4.\50-.P9R!ND0WY2W#L0 M$"Y@T>37-EG7&-N!30&8X+_@O"ZQ7%[8H189R3$\)?M2)A]'LAG%6AD:/8$ M<,+O\']0CD\D<:X!_@6.%S LIDB,E_ 9F+TT(P006TP;I"BH%S&FG!7J&%,B_T*1Y%YSPF^)L;G-H?F%,F)[T0P4#!(, "UU!E]#\KZ(M^#,!S_$U8\T:.^1.L2X[?@?J+_ $GVTFT;::XB<'C+F=^& :X1_=JE^ \P%[J#VI\(L&!8V '*S+9I,-7N9O+GNZ@ML_C#FTN=(K#<:2[.U M/WN80';SN5>EL&GKF6[>+!V3$E>{*9+-7:^%' M;-7K? <.6!FL/@W6E4L&Z"VI18X1?J>\O-GWYCAF01S4=E8XTL$-.)+Q8SD;P M;N)+WC?V+R>]NYME,&,R0T=N-NMRNQVD4OC3O0C(9;\(,@R$5GH8QS*D9> MP2E\9S[SRVUÜ?K?M+)<=9R? ^+/DEO?C(-5)&<4VA.D'*S>CY(J)=V47AD.T(_:.=AT=>&1\O.4C(%' MSB6BOY YEHM(;. ^NS;K(-0DV7U[9(;[:E#8@4B=]6+]JU].6T-_DQ"$@*+T1 M5Z61^#F8&RTQC4A"$&--T]#7O"_FI/%M;\GBZ:Q+M'7A=I.!_FK$@1L^A M4RDR4>13Q*T1,2Z-=/9S9^0>Q&^2JS2Y;$KI3RCX. ^,)^'E(1C_AQ.P:ZNG(MU$WK_"^C$:7CL:?]31W%W"\GM1W Z@N1)A::F7^Y[/[& ^/=AW_=]0?7)Q>7 MQ&5U#*TY6'JPA+@TC1%E140ET#$O<$0^O37-GRRAS"^Y9W_Y1';NF-SCO1Q% M()*/V?^5S%R(=V:E![Z9V==% 5//]B>@IBQ'ZDDW@;>K9_!S)W WY]<(%5:, M;1>)E,58W3& ,ZO&W:66G54U4)7 E_H#.V3BQ|&<54- S1@(JK4L/E?[$#&PM=?B0ZPHM+CA-(24*+* M*#$ 9:,SYTU$+<03\]V'R^-+O#Z^]. '6M.V/:_*U8&AK"(2V Q1?E)6(3P,X MAC<6S+0QULD".Q-35ZEE>]$RB=>=+SKRF@(A[P#EW&6*7LP1>R+=Z.9+T55H M2R!H':!0,TP'*[>CT\[&E)4W87: 9G];((CE>I*L>2?)FD G29C3=V*0)X:D M((?D2K-'+J](B=GK78/HI<^/5GE->E*#HR:U6! MH'F TH]CYN3B(+$C4GSB (VR6PU,=Y6="((_F2#RFGBA0.(]/HH.I)< MJE+7LM G40*IE$UOBL&S!B@LG[2^HNKC_*,7S0BD">:%@3O_ 6WMP<&,%2E"AP0>Z_V_T1^DFPYE$AJ;K M>'6+I ?-_EETY!VLDVF5RG4>76!D%?WSGRFSLVH>\L<4?40!-K!PJJH*6U% M>:>P^;$U/S^V]_79=>Y/Z98^PM4838L?\MD1H0>1=X(P1!Z$* MJB(<$Y:0\6&=5ZIH9E6B:[BR;_ X2(.NF!*WS6#@MP;4Q!9(<=>B;J"R*R& MAZJ&.*B'*<5X!$H]"2^EFAZ>FN+@":9T_3K1AEKA,S04D=(02R=3@=XI2,V3 M-3>PK3V=7#P"R(FS,!OV[_C=.:/NX[]JCG7;BEI>;Z5,U5 ';(>*5$EKY?**Z^P00??N\\^7)W>JOO_A_J^"0'U]^:IZH_I3&ZV]T,FSDQ M55D111=@81$-BXP&EQC1UZ0MK&F\0,M:N_S#)=BI19]+0%4/]M4+ZA@&8+^MY$])O.CS(YTYO"2I4N$U2:4/^)37%6/UE5X[C(_2E,RQ@"O,U&=X/&Q5]%* MJRI:+2;MJ]' (M)LOE2:4F)X-7/]B,].B(9/"2N62*9)[>*++C_O3 ME!=OKEXG[/D4.T3XX<4 2 Q\Z-[2GK%$<.CMM_ ?GJ4.NX?D6@S3:9Q)@PFU MJ12_95ZW6BJS3,R]+0ZIK= Q_F*RWE/:,3DW@7'NJL+J'9, MBR77CLG(L<_@% G2?TJE$3I896ENNO GL("*+2'&\TW;.9P#EUE3S0"[Z&G.MNQ.!J3WJ J!7^|>\:+J^UE,&"*&KJY_RS5W]%(FQUK0&IHF=MQVZ^@TCR?/: MQJ1+'EY[N455+6),$Y6+1A83!Q)YV!9BFR)6T<9_(8(7K8TBJ7T8 -XC*"'D+HY\]XY'B-+P4"N+2&^*? W+;W MFQ=,L/,1#@?_+GMSF9 M:,O^+#U1@UK8Y1Y 84ZU46AOYCC7GW0N>GF!Z9LJQ%#Y/2"^P.];63]T3P MDI%_NY;)/]U\D72D,9-8P4.\50-.P9R!ND0WY2W#L0 M$"Y@T>37-EG7&-N!30&8X+_@O"ZQ7%[8H189R3$\)?M2)A]'LAG%6AD:/8$ M<,+O\']0CD\D<:X!_@6.%S LIDB,E_ 9F+TT(P006TP;I"BH%S&FG!7J&%,B_T*1Y%YSPF^)L;G-H?F%,F)[T0P4#!(, "UU!E]#\KZ(M^#,!S_$U8\T:.^1.L2X[?@?J+_ $GVTFT;::XB<'C+F=^& :X1_=JE^ \P%[J#VI\(L&!8V '*S+9I,-7N9O+GNZ@ML_C#FTN=(K#<:2[.U M/WN80';SN5>EL&GKF6[>+!V3$E>{*9+-7:^%' M;-7K? <.6!FL/@W6E4L&Z"VI18X1?J>\O-GWYCAF01S4=E8XTL$-.)+Q8SD;P M;N)+WC?V+R>]NYME,&,R0T=N-NMRNQVD4OC3O0C(9;\(,@R$5GH8QS*D9> MP2E\9S[SRVUÜ?K?M+)<=9R? ^+/DEO?C(-5)&<4VA.D'*S>CY(J)=V47AD.T(_:.=AT=>&1\O.4C(%' MSB6BOY YEHM(;. ^NS;K(-0DV7U[9(;[:E#8@4B=]6+]JU].6T-_DQ"$@*+T1 M5Z61^#F8&RTQC4A"$&--T]#7O"_FI/%M;\GBZ:Q+M'7A=I.!_FK$@1L^A M4RDR4>13Q*T1,2Z-=/9S9^0>Q&^2JS2Y;$KI3RCX. ^,)^'E(1C_AQ.P:ZNG(MU$WK_"^C$:7CL:?]31W%W"\GM1W Z@N1)A::F7^Y[/[& ^/=AW_=]0?7)Q>7 MQ&5U#*TY6'JPA+@TC1%E140ET#$O<$0^O37-GRRAS"^Y9W_Y1';NF-SCO1Q% M()*/V?^5S%R(=V:E![Z9V==% 5//]B>@IBQ'ZDDW@;>K9_!S)W WY]<(%5:, M;1>)E,58W3& ,ZO&W:66G54U4)7 E_H#.V3BQ|&<54- S1@(JK4L/E?[$#&PM=?B0ZPHM+CA-(24*+* M*#$ 9:,SYTU$+<03\]V'R^-+O#Z^]. '6M.V/:_*U8&AK"(2V Q1?E)6(3P,X MAC<6S+0QULD".Q-35ZEE>]$RB=>=+SKRF@(A[P#EW&6*7LP1>R+=Z.9+T55H M2R!H':!0,TP'*[>CT\[&E)4W87: 9G];((CE>I*L>2?)FD G29C3=V*0)X:D M((?D2K-'+J](B=GK78/HI<^/5GE->E*#HR:U6! MH'F TH]CYN3B(+$C4GSB (VR6PU,=Y6="((_F2#RFGBA0.(]/HH.I)< MJE+7LM G40*IE$UOBL&S!B@LG[2^HNKC_*,7S0BD">:%@3O_ 6WMP<&,%2E"AP0>Z_V_T1^DFPYE$AJ;K M>'6+I ?-_EETY!VLDVF5RG4>76!D%?WSGRFSLVH>\L<4?40!-K!PJJH*6U% M>:>P^;$U/S^V]_79=>Y/Z98^PM4838L?\MD1H0>1=X(P1!Z$* MJB(<$Y:0\6&=5ZIH9E6B:[BR;_ X2(.NF!*WS6#@MP;4Q!9(<=>B;J"R*R& MAZJ&.*B'*<5X!$H]"2^EFAZ>FN+@":9T_3K1AEKA,S04D=(02R=3@=XI2,V3 M-3>PK3V=7#P"R(FS,!OV[_C=.:/NX[]JCG7;BEI>;Z5,U5 ';(>*5$EKY?**Z^P00??N\\^7)W>JOO_A_J^"0'U]^:IZH_I3&ZV]T,FSDQ M55D111=@81$-BXP&EQC1UZ0MK&F\0,M:N_S#)=BI19]+0%4/]M4+ZA@&8+^MY$])O.CS(YTYO"2I4N$U2:4/^)37%6/UE5X[C(_2E,RQ@"O,U&=X/&Q5]%* MJRI:+2;MJ]' (M)LOE2:4F)X-7/]B,].B(9/"2N62*9)[>*++C_O3 ME!=OKEXG[/D4.T3XX<4 2 Q\Z-[2GK%$<.CMM_ ?GJ4.NX?D6@S3:9Q)@PFU MJ12_95ZW6BJS3,R]+0ZIK= Q_F*RWE/:,3DW@7'NJL+J'9, MBR77CLG(L<_@% G2?TJE$3I896ENNO GL("*+2'&\TW;.9P#EUE3S0"[Z&G.MNQ.!J3WJ J!7^|>\:+J^UE,&"*&KJY_RS5W]%(FQUK0&IHF=MQVZ^@TCR?/: MQJ1+'EY[N455+6),$Y6+1A83!Q)YV!9BFR)6T<9_(8(7K8TBJ7T8 -XC*"'D+HY\]XY'B-+P4"N+2&^*? W+;W MFQ=,L/,1#@?_+GMSF9 M:,O^+#U1@UK8Y1Y 84ZU46AOYCC7GW0N>GF!Z9LJQ%#Y/2"^P.];63]T3P MDI%_NY;)/]U\D72D,9-8P4.\50-.P9R!ND0WY2W#L0 M$"Y@T>37-EG7&-N!30&8X+_@O"ZQ7%[8H189R3$\)?M2)A]'LAG%6AD:/8$ M<,+O\']0CD\D<:X!_@6.%S LIDB,E_ 9F+TT(P006TP;I"BH%S&FG!7J&%,B_T*1Y%YSPF^)L;G-H?F%,F)[T0P4#!(, "UU!E]#\KZ(M^#,!S_$U8\T:.^1.L2X[?@?J+_ $GVTFT;::XB<'C+F=^& :X1_=JE^ \P%[J#VI\(L&!8V '*S+9I,-7N9O+GNZ@ML_C#FTN=(K#<:2[.U M/WN80';SN5>EL&GKF6[>+!V3$E>{*9+-7:^%' M;-7K? <.6!FL/@W6E4L&Z"VI18X1?J>\O-GWYCAF01S4=E8XTL$-.)+Q8SD;P M;N)+WC?V+R>]NYME,&,R0T=N-NMRNQVD4OC3O0C(9;\(,@R$5GH8QS*D9> MP2E\9S[SRVUÜ?K?M+)<=9R? ^+/DEO?C(-5)&<4VA.D'*S>CY(J)=V47AD.T(_:.=AT=>&1\O.4C(%' MS

M%**E) /LP(++@6BYVM3NLRGM@=L1/BQT0%QN&?D4-7NDIHZ.2XTT[=",VR)BBE&-:D1I5#H1FPIYK:40$:-.[,?.,&C==P)'6B M^RA?^N8' Q??^#X&[-TX?_?8JGMC2=NB5=T;]^Z-9XJZ5??
&ZJZK[HV%--FK M)S5/H]MIZLT"S@V_T}4/CZGI7O\MN[^)IZC(NFB_0\[A1A=:YTT1M]MUK#]HO#%%=KMRZ7*I(+Y==)[G.ABI:>JO5UKNM,ZKL MR#.3]*#!WZQ1E#M757\2OB_$W4QX!M:1?
A*&+_RLB*(FYZT*\QHN'/_Q[V&O M872:>X!W-*FR6==X%VIV=>TC]$26:?RL?;4>#5W[9 1/%OP+ MJ,MYG!B6KKV?6 Y\@#;ZOR;"^<,R<"0E?:K3IV/XRQF)E.5'P*L,6$S\&5HS MK#I>MP/V
B0VPB,:5XZ'PQH39S(H;\"IC7 /-]DJU?2)KCU;P02@ZTWA^4![M ABZH2\O(YB N_2ZT8#Y#!@M0EKD(\,+(B>T)O+5?L =|'9P| M$& P-YZZ)?]< 6/ C1D>7Q)\38RYYHYX(3SU&HNB6XV?
O]Y]H[^:/[^!YWT1 ML#>$7V5;QE">$\X P,<9G!:"V//=!\XZCT!,DS>?!9S4MJ/AF)H?CB9J]W0V MX,@>U75K$ ^,)]OHL;/C/P@UJQJ,G> 2Z1K$0-5933B$=6T"^MC87AN=K*'MH MP\@-
DF#&.>KT-. Y@E@(A-X8,S[HEWRY2ZB#=SFF>9XTK-2C-P.9A'#?@9R! MJE"I?KPTCV0$F/&(8!1W?.,9]][[F@LZ!3T?(W!=NW.$0MP5$I1TX3,U #)(%$,DM0#C M,I-YY :)%
<#+@U7Z7CY^YM'K6M;@ZK5WZP_U@0:WS6QQ(6EAWJ,"#+L[M ABZH2\O(YB N_2ZT8#Y#!@M0EKD(\,+(B>T)O+5?L =|'9P| M$& P-YZZ)?]< 6/ C1D>7Q)\38RYYHYX(3SU&HNB6XV?
M/T,B.2$" .7B,]V!WEU\AFDV1A+:)4"9MTG+\$;;#1WWTZ+]\$Q@R:9,>+>< M)@QX!R@V ;L<,18XD1/,:[YX B[WNMGJO]&FG!E"4[_I,/+'L 4X($#3)/C; M(L";D
L\N]YWFFP,C^/[)270ILWHXN1)Y&NH/T7_9Y]_C(=2[V7@AX] L,3J M)/1'(_@57+H]3Y -P-VBV0N.]IOA 16TF[H4*MS#$GD?O.[OP,\0222)D)R M3$EL$8FM2-L5 :DF(5V[Y1O $[RF@/-_]\J-U^_G#S
M^@%!D9;+T.QNFW@T,QY%;0B*QO<:$>!;S;'G_ZET>IYM\FYB^^NNA@? ' M+OP7, !V!E;*'-H=4XT*M?%1"K!2_QU@{CP)>1N4JQ$5H5KBO)@A40SW'! MTMW:^3J<95?
T]/XO%4*DB"AM9<1S&O%UVFS?+&?76=4N6,KPBKNF_69MA[&+LE7^C1 M[-%*R\|P*WUPE%]EIL51J01)@&ZOE-AC=
M1F&0JOAZ\YG[@@LI)"Z]\.@J,Z<\MUOYY;R@<]74FXT=6T:75P)4*,HHFEFZ MF=M7_7(4[;8&>K^[?9U-F:KC%J98%$,M*C^AGVVUTM75#N5PB5R#G0NM]6ZG MH;>ZFT?75#5Q)
<"RS*+-35Q>|&R0:NC=@=_=F%<{C:XA^SR6HR^JA'- M<2>GE3X7>K*OE5?D(U18P>9>B(DM3;!?L#$:A=.0^PF/ M2S,*C=G,QE]%FGKS<:C16BI>XN:XZ3 M*W?N!,=I7&4<)W?
G9QWNWY1)^-T37&D]! - 0%A.:#"WVP_/TG)PB8-Q!=75 M=#:<>#'76]]2O]K"0M,>;O[Y4+O] ."F\P/SR[3FH#CS,<>:"8C/C$=1&WK"
M^%XSQO"2MYIA/QMS_)6[/$:!?)N8OON;H4T\1+"_!.X(5'ZZ!4"?]XCQ#O;# M,.!%^& V8NQ1="VA&%$A?O#O9K=E#,5^G&H9(HMH%K[RID0IIN6/P&H*- \H M-JOANFRV7K@.ZEL/M2,MB2#P
"X=LP\)4oA?X:B$%6 <.GWAIAX*H/ M2!'D3YC:!]T7]0^9(W;25=(#(-U*5V#&O0>%>PKX&D*. "-V"$YQR;? G7<85 M%:+5^,:VS(5T[FP3A-&Q_[3:L#MKN']('2TKV)]6 X&@Q-(^]IRM+DP//]-
M05I99O?Z7=Q4-?O\Z"-R<^4VG+[YZ:E]ZSLW3%W6!GJ-K>=6D3:@*%\2?D3W MD99PZ_PODOQBF'C1JU+SQ>BM&7K(&UZ)NZHW5U P0YT0OIQDIG2/$6U'+]DE M?
58=1(5ZE>*S/&&;JYHPTN6VNGA5B%H$1&TTK0+ ML?*A1Q/T&KGZP*8G6"YI$$D'W!?AC2B!)8H'? D]D0P(W'[^".>!O;+)F[Q<-&$ MA2FS(\.?:&/;?5X(>"R&-]!FH4FSP<030IO"D2: ^)AP,
(V=$'7$T\1&C(B<- MO?2W-1^CX;6CB3!#6]R-W\,M? 10)Z\F.<+.&8:H[M48,>O6,$/1Z(9'JC MDKU)(=DB!)OR1\$K$"\.*W(;3]?O=RO^TWHN]) Z31O'!4G6:&99)^0$Q1
M@_5!C1K9(;)9RR&=:0KZ+LAPE.F89K.27/]V/0, ^N=EP,8'4"NB53VV]3XUL MI= 73/#N>?C:BCG2L]=H[6HU+?K0OAAS9*W^-U_LFE?;NNKHK7ZG<(,]"[5R M4=&HG8I&[00:M8^$1LU!0V_T-
\]."C2+/8WC-HO%CL .!H5M4RNCLE-60]-+N M@R@Z>B/"!-0"7&.%0,L(U-V6M1X"@?IZMYVC"VV1>>IIU%: ^AXJG[I4D=]NR MB*X"/09 "^9'U\O."MNFE48#^^H4CCH*M7)142D]:I2/NQX
E5K]0@KJLL5> M/X9!Z D-+BCTR/V7ZA/D4MU$ #:KPK, A6>#EZB9UXZ9T7/L-X;0 "Q"GQEB M/:6<[(4NYX\6YCU0X0W&W_&418C?E3#ZH7*)%L%[G+) OZAAEPJQ7G[#L:^C
M0]WSLJB2G12ZVFLO*HN$_U%9446IACP3+;BY<^>02%%0/@:NOP'Y?S=F*8G% M-[O/*VGKG3PM<$]_LQ5.+>%4:RN<^B1\7X@,)?0@N#7H=O5!GLE*1?9IG29. MD.3
O8)218GRNYN9(C4V]V>[K[?Y]6ZY3W\V9:=3](@N!SB2FI^?*ID@D*0AWHX=G= M/5VBI;=R]%B^*!0H,?*UMD*^O&S\I4BH-SL=O=F38^* @:EYB FIFC M7';FWE@;M#/I]-
IZOW*1%&7EP_/OK=!O* [(C34$1$;S2V*WXO(P4^O?U\5 M!)%+3$+-K2:!Y>'@'']UP9S]DMZ_W.A7_+LC*A^??6R'?-OS()4@([/NJK;=Z M9^X^.8T"_C 1GJ!FX
5!XGS!^0+0U1[2!S9S^\Q)5FMSIM.H[!KO.)W4_B,\ MUS3\R5H]^^^_#%K-UL^[S;.Z)"Y<(7!28N1'X+SB8@TB;Z&XZ-W^E=[H;#^-
MYQ3X7$0S0$UZ&\ML5,NQIN%4F\F+*A8Q%H;F]BD;'7CZ(,T%5.]?6#+KZ56N+ MYEF7C6=-9&%"K$1"KP@* M@LB7J$6]SN;U6W4(3>7UWQPUFTB8-S]&[6ZD_;I/^] MJ;"R8%C9V@HKU]"?6-
G2V\U^GHO1XKDOO&SF+KZ%V#MV#WJR;!#D5HO5FB^ MGY@ >Y#4X4W+[4=AW[G5;40FNY)#K]_1^SE*,U'SUZ2_EQB]&MMA7X9?'KG MA'5]T.OJG:O-23)%0,%<%<.'FFRZIE*V-=BY3_
',0SB;L!9Q;":/) PKP,Y M0],8BFY3['(JH:LV:IKGUS#\34P *GT-J.([>50/%Q1|W5&,;6NV72TF3P: M@-"W?+2OX/'@V=7GZUHT:,_ " VNC:TH6>9CT*;P?]6[[O>') [$-IKPP>-80W#
(7M/K^1EZ$CML(%";[Y_]2WSVSRY.1:'QL8>L;CSRF>|<[3/I MA'I]/84KST*C"DLVO]TUB(!=0#$"TVK\+.&%0*)/FC^_T9ZM8*)[FH/-,<&K_ MUY@.#
<_0/]*BR:W8DS__A#W7O>B7L]#S0P/0$98'[CJ:4,-1?DB##8W""=H.P M%9_!;]^[TYGAS%5WTIEG.2-K9MBR?RFB>N9D[&XQ,Q5_4&OT_BWYU;^_J)?> M/3O"^XVH;)FG1<^PK7
7!GY@4$7[G4,H*D1>IV0E;#$Q8[5'W4UVCT S\R Q'5)V, ,HXL:Z-A?"Y M]2V Q@T];6:#6"?6:#P*?)YXPCT'@,03?R8"<<7OKZ @9X8">M)3J('H@%S
MRO0WX%]F3[.=H!GC(B^.K[N#+7H(X=VMUWX&TI6"^R-Y)+@84DD(=PNT*DP= MQ)SA^9$[4C,"NG&:I[VG2M);C;WT7A<)Y5;N"H>,? #6XCQ^ 07--;<@'%! _MNJNTHX&Z#?
@.*$)8/\'9&5J&%MCM9+:0VN-1AZ[(U M#3 =TGF=1>8INK/HGTP8EFFXXU+202H19P/- 5H"3KVTVNC\I M/* 3PT6OX,G,#GTZE<0$A1P*(^K:MYG+R@PJ[.%4CK"!]QI:X($F(;D-/!S: M)-H
80SM_<1P'HDMO0<@>*XM-?:QY<3-VQ/ ?8,:GP&8[*$9@&H?P#: ^IHEK MXXVD8#6\BCKP@08ACP0O@//!SY, 2-YN#(2A85,;FI3W$F R@*))B$0"/'KC
M,NDSU61VU#H0%6FTZOKF36@S'J19D^HH,QM.0)BLMQ@KL.3R&8+N\SWAIM<> M;O[Y4+0] . \F\P.#(]TM2[.?:|W$7'< _F&\DR9'HD_4$-DAJH#]!"0\']"B($UR4(<(,FI(SL7MB!X+?_J&7-^
M0R7QLI0KQ!>|$C""1L4W,A2EUJN23JN;R(\CH9UWJHBNS%O'0T0E5V80 H- M7;N]_Z)],H(GRUAR33E+KDOV.1G(43R\;P^4LJ1RCZ_3%L$4J_BLW_/@+T! M.:#SRX?-66-
KA.XHYFW"8]X2>Z927DN3!OT0A3_H*8%0;JI?@!%] ^*#([" _M.:F MN_GV57L-+!ML_36^B78ZMVK4FBW%K>CO=O/?J"K_ ^^'9?9BXH0^'>'B&=>?1 M#G
#&8X*R>D_NM*'/O1Z/+=L"$.S> ^,6;ZJX "NL(! 'X!92P#T! M +.LBW:Z2;\7<)"I<1MO)=/L2^)T96:K]*;.5 MC#6D24880MY>]D\FMM.&_XN)"[Y1IBILZXG(#PTRE65KPAW5M6N0GJ"M(H0!
MGENBV%4J3)L8-9(P;7($J6@HUNNGHQC1F>D9SP[B6!R2P9>G9=#]V*.$! ZP?@XD8O7#NS0T/O M12B5K7#=C,<"-O&DAOZ"@;.%SM6NKT:D?RJ%M@*B_3=C3D-T7RC5N=N_)2G M"L*5F!
(NDB'K(RQ;?@#E_GX$[\J;D2$T6P-]T.SFY(J=1E8G]6ZBDWHW6])0 M_?FI6&.ST]1;G56O\IL3R*;\K3&YB)1=*=;*GR;66."W:CVZNW9+[_4[>> ^N
MF3G=K"4?)IO52*',\P)Z0>EM1U!EDZE#$=N@?]GQ1T 830+*A M>,3@]:/]W7!"='@T.82>#:3T*)O _:C1*HA;M[_Y#J4@.O6KU:GTOV4.0

YF'0UT@.84OR0RF6.M9(PX3L0+IME+W$6<)I*-$&(DT#]2X*N%]TD ?G)'WR=H*?Z&4*,8 M$M;;)$@E.2TAREP:)B/>6'2!HW07V?I+5 SLY1/(+I_$+HP,KMA-J$GY*'&-*MVM MJU=>EG.[#%YV;?%$(C#ZT,EG<,\$16IXA';GIQWVVKKZ:=M-+8O&QYR;7!&= M!NLL8^/)]61$ZL)4^N'[%*R8$*09I2B7<1M;-*-"-F*7*7)R@E;'$#F;9-W M/M68*!4;N@?E@@((:A0V-4 T<8HNMU9_*I>%?? K? QO3V< 7LLY4*E\Z:0T^-)\HF.F+0X.2H$;@;]_)- M>H\MF@Q'O0OC *BJ*Y>J330)CC502DD@LIP)1_ 7+G+J!6&R540:L4]2&3:]4 MXX,/,?1*16&?X\M;P)!L@L(] ,8'*W>"PT.:L4BE_/$V*;IS5'6# [Y6GMKVJX-,B/4I'+BIWHI.Z15[T8F M_]4=+/QX1P7;6MIMT@Y?'7%'U:HC:\1;>&OAE+*B2\IA/4+ITP0&<4!"4$9 MJQR-N X? 7[E"9LSFF]$@$%S]_MW)9] 2J(5R+'4W04G[A*OTE[+7;^)NVDA MR\GQ+!M2^92&3^Q=8 ZG^,%YV(L33-"$DG>,Z3S1TVP^\6A9L*:^U>_KR>;2 MJDV\5U--J!?FM "RT"],U[8-;R&6.H47/,H,P$ER[K):F?,H1Z"EVMBS-F[Z MPR(A,9X&-P*,& [/N5=L_QW5]"QVOU>LHQA%;I93ICUUW@);^-S0XT>DF]%R= M,UCQ,+9J0NK1BU#]5B"<>0([S9#GGZ7)T+"Y-KR0 UR-IH\%K]\84P = _Q(>B/CF)F'>6/8J$U+ 6::QM:[@<+0 M::P*!ZPG<,U%V1K"FNCDNF@+A7I?@:&^PFX7:G(%@^%+'SG#*WF4DX"F'R- M#]6MCF0HWR:]C:JQC8N!FC@)>V=7K*=:K.L[3KJ[&N3R0YNMRX&IHV ,Q\4 M++PH2FS;3 =F1N-_&IUT&Y/V=O$["K"FM1@V&E5-DPRJ*B0W;?M*[_::>F?0 MT%>12\ GJDU>Q.2|GB6;VI$Z?E-C+G;Z6Z3I8!XG/(M)94HE*D93T;-VDH\9[G5;'.TF_LO7^0X*TQ5IHH0(FDG* WWUB%_GI_C2.C MHC)"NE24U@LO1M \&39G(B*&@3:-5I(99XH!I+%AD#JGXF1RQYMXB[JCI&[, MQ9F6)V>AP\HT*"NNT,-IH+5HPPE$B1@>82;V)6*7PYNL&ÜV>GRYMY%Q>"/; MB<;#\1@=OK@VCD"-5=/SG?7U@?$A4^5.3C?-,B7,KQ/%!"2X>;32%0]B@3S M6E!A*M?N)DK=38'J]F% +5UU<=6KS3"4T>D+6D5:?6"K>;IW_$R5O\8OFL@C0 MC\E0KL!,0@V2#1VNVZ;6<0GIH*1>.#$9H48"UN*!A&A'.S5KW[B MUALXXKI7'ZA_#?!?3?6O*UUKU=L_Q4TZ!M%WK::N1=^T6+YUZRWU29METH8- MD1SE;EI_R ;#5!3WF2**0TZEM)([J:(=A&UCUL8 M 15,0E _^2L'[A%)&FOBJ4LU/##];?DG<"L,E5+3K)+ZYKE>A_R)49 ETZGFI M)9X*G/BP,1,3NZ4JM@1.2G2)/L,'I?&\3N--1]R?G\P1V5#3A%/WY8CV4<3J[/ M5JUP#S _&8DG;T=O(,&M*K\C59W]>"G\%E_ #JFX3ZH(>QTK607)W[4Z59#\ M\ .8XA[+KIS&U.%9;A%#<-R0Y!;(,*RTI"F9D@;@)5U%"9'*K\ KJ)H$>U7' MDS:B]A"LJ<,BLD>(MC)X+-EJF* [*N))]!C*WW3'PY7K , MW+) #WT)8!8 GT;)3LR$)\ 1Y =YLA'[&J$&6]:`I_U UD(Z@0'SL:728+ M8]#*E)(%*WI4BPKX&6QX-D-7XK7/+:1 L _#9M$C4XU?" MVS:RI(^P9?L)@^ THL-G@AW L9V,=W)-[-FW"RRPH+26Q U%ZO&P\ WU6UZ#'0+G1S=!T*8K/#G6*I[G^QYD8&7EB.TC; M ?Q('R)(5!SBQ8<>U^ YU+S_PFLX/+?$%3)\ UXN8< 8EQRD%2IZ[SHP&XR* MR?) WG\:H#W#+0QL;B _=]'1PAW.'@Q -"O2P++ K>**][9=;M+&U@D@.\(" M:&P(VI^]\R-?-E'[FLG')FSWZF-QT.l*E1 MK*2&2VK,Q.7FH]K!0+&1M<5%7@:VC> (V!IU82O1C1;@A3Ä$-8KCP_11N*QQ\ MA+J]>5=*:'#&TC>M7')FUBT9>=**,Q>D$:%4Q:)&UZ'1%Q+(.G$427/QB:F9#GV//X.84R8%7MHETCFG$9AJRD0\R P1F=DN?, @%%D0%N1W2DT%0GR1)U,+N MB0,XH^)R3K7E+L:B+%+"QQ#L$#"3QJN!)9C':1./.@E&8$U"%) NV&#;AE(ZK M*SB'6# UTH8HA(0)$5>?Y5N'@3;83%MK M2F]JW@V[9()PF N6:M8P_VW? ED;;ISN=8EC(U;6@ 1A[J]70[=Y)X&*3GD)] MVB0:C?YWD2?8C27X(=?]Q&T@MTQ>V 2-*4#]W&839RNXNLKA]S7!'-:^^ M]W$:U,F&V^^>$/)'G1P>V M]%T\N7^HD\<4X0X#(\9](CV@)UFO/?&0YE//"E2HMSEYK=T8U=D[DK:4T3 M248PSWM[FH/D#)A^.7C+11D-M@=?5 'YI M(P7*P!F. ^S91[+-NL-XLRY#9VM& M.#8%/][;^T@I>E 9V0S13Y[,I7_C$76)T):.SH?%90NJ7 MQF]T3Z(T*GE'I13@UDD963Y1Q"#[H/=W*R3LFE'$:-N=#N0(MYVDIH$!7O6+ M#RM6E,:L30,"XK7*C)P,-VTET'D8+K 7<:(.*IHP.P:N*5BM+\5MNJD))].V MN+_ .:-O#7SR(&/EHN?CT8)4U@M$@[QPD-Z .&_ P"T5X$/46]-^E9Q\A" ' MCL!&?P$P;X3_U@;/MB=72[HH!^$]=7)"-WS8ICI*P3G&I?=>PJ&Q W8/@VDD0D$F[VNP@V#W6F6W%5U=<_4NK 094Z\-#1=%@# MA0[? 1\EM1G#CC<9;C0X,3":K?/KG JU2YRLX"4 S"R^F(;=63UVG *Q<1'/ MT XV?;0W9I3QSZT8V0+:KT"8?2(,W:;6 M @ Q=M-@9" (MY";Y/+(JO9X$#ZS9 [9*"UHTLZVPS>9HFTN*PV^5MG$<<||6: M0ZZ-R>>=J10J@:OR;05+*%XGB_UBXHD+400;M?I,I+!E6H9\'V,JX3R=3F'W MD"1[4L*1FTW\=YSD&W,QEU&49+3#!-;Q'6"83@(VI @*-F>:XA^\LMAYOW) M M\2>FU#">@=8TVWP6R8;$_ >R-MS6G$98B3YFE/;U2C]+MV#E? OI_3VM8FZDS MAUP(RW>WPVK*)LYX$H6L@NOX.#X34)NE@)W)IO.N<'[THX(&$@']. G8#51!N>]^0%[XI L4XQP:&OMEVB X'M@ND^ M1<7]H,]A'[PLM2-/(T53)T\"LL> "!OPF.Ü3:S)M]N6D"*>(;:UW$&3: TFODTDOC?F5W M3L70YA46=Y44]"6V/3ZJD;/*8B#ODE&H O^W&*LCT51;;&B MU7TIG&BM:=V%*;T,'I6/1RI[{]@W430W1LD'9N3)!6 6/"E< $FX5E7+KO M 0S0" N%OJ5ZB1I-TKH0,B'3+9JUBL,KDS%,I9HP3!114PBVL4<:>@>!6KE$ M&JO&\>3).%4?LYJOT#9'!2 C+AA,ZX27[+8-5A,.[LWX$!%(YS=$+Z(=7>8 M)V-:-X]4A\HLK(M(5<+2@MFD*Y4Z6YHJP]!-PN%JN1 ^^]&:.^'8S:$J(- MEA7M/?DO_4F=%8+EC)K:NC,#59MRC^FLIJE_3748LQZA5*,$-%3LY- __ "+GA M-B@>E5)ULQ[9=GH293)K4Y435)*7\ITXW9 MD&9X$PPLB5?KJL M'M')Z78B#(WV0%@7,$'$6<&B[]MQ]$>,$QG#DL=I&&P(:97R8QM&!?4N!OJ M< ^.]!D&&8=!7E&F VL91M|W57@&Z6X"YISU,.RQ#P9K6/@FWCOI2-A ^TDHID=MJX: M@V1Z@DOFM79^^!1@4PR&?0@FSS8!=;)-D+2.)H'E9,QRZBFFENQA9H69L1/ MPV#BC9K]=JF;71[T>F_O8#BOGT-^]ILL, "'>HN9O6/1R/0W?P&E5F35G1$A M/!HQ?UMP9+())N-]89-'8::C-6?36!L"3$/.-&:L&[5X\N^#) @XS' 1!['" M+@I=F#.!V C,1::"3+!R0NPHVDG1])&<-A3RMRCEE>!6@OL$!?<+6O/D2!C# M;HBWL BLXOI@<"S&W#,;L0#)O/"P1XOTR? 16EIOE#5HI1P<,_ Q5 +)8@D]% M@SJDC!MP2#SD2SEEOL05=6,VH".(LI1 UB9=V4/(!NPQJ0-B(R66N; -64X" 8 MSGX&D]$'_I6?G>'\&' ?+4 ^D;KG$F(D$1G;&B4%YAF57"$DKQ+HL61MM0EQF1OW>B $^7%2,<$^''KF0-U.N5X!J/B2OAR,EXL.) MES$9=_'9J409&BA"(6FK")N/:QYN(P)7!\$M>T6DDQ%T8#VT M,DX\|&_[-0 MUN(32(X%UIRG'&9?4YHJ^!!2HJEO 030L00;#SD[<7 &@(@IS$0!X'1 MI+"8;] G)B+T,GO%UQ4<.C ;Y/2IOR4.TDT3+M%40;>?G5 M= ! NN*U'|&@$$RXYH1WV&/B)$LSN<&<%CZ]PO\!QU@UMXK0W+Q _/B#]CWKRJE M7<&XV25C^'9IMCW)X=<:2(W0.A%L1WT']L60,C#0T-R;(7.%ZC8K53*.',*$ MAC@^8]NQT[D\U61BQ$77+A7MTE)6"*A1UTFJ- M/S9C% R04AH905CKH'"'.M^DH&DZ.2,<&AN4RD\(Z)1V#\H$]PNO![OCQ+D'X M ,SDFA).7,KN3T5Z?GTK(K6*OBL76SV+<< OBM+VNU0:8!|#(3):#"M/OZ M!7P?G'+Z89%)^B&$ <;J(^XA8ZF"]UCR;A6A:Z3"@"&4.XGAU=>4I? M*5OD$HWI:6>L$P$P1=BDWJ=>,>IZM#R*$>(RWP@>#089:OZ&ZRCG M $TXONDB($ $!PHZXS)]SY@&;$W\+) M+KQMYK7+G-82E*(.+*CEP 0!<+TI/4:Q$(O7[O9 'TNVJI16YQ!8ENA$Y[]]2 MK%RE'0'&XJIGP8//O*PS4-TBLK<)@<)8Y\HJWLZ ZT+NX6A>.ZMKC4%SH\O M(N2K)A-&-W"G]NMA.M1I?PA"Q-T/L6C-#F@<B]BJ)L(B M:\ !!MZ_G=$&<;I!E,[]TG.Q&7X3N8BZLY@(*;!]QI2_GG-^Z#;8/F2J* FC{6|T%:44H@D+QZS_F&WLZ^/ MJNSKAP9VG%0."'<]HW)B5H&U \[A,[P2A+;=JC*[H M9/$)P+-3FNM/JS0'APY4UM&+5<$::OH0US'EE(X,G2D:(;QV#Y5XN4$(V4$[M&V&0SO)097_0%/CF?^%L;77!&6B;'%-1BD'H.2)4NJ-%R>W:; 6 M'VN&3Z<59A?)^FPII7@C3J;"IT*R&?[5P-[^>GI)?? O[@DO/MX^UPO5)K9*DSUK>]>6NEU0 *OB@-H0 Q^HF\P$\U\BHORA]W)X"H2?KF;'#N#O?Z[^#%* M2B7D>5)=(CS^;4V?-Y/BD7O5Y)49*LSP)G'V-I.EW4K<]^N=7J=MFI6Y74;7 -9GT#R;(+(V^F MA%>;\5.;,5^8'EK; EKCME5IVD1T[A=5OW# ;G,\@M M"-K3%_'YWDFE;I T7CQ@/M1C)7ZTNH'I+*.5LXH(X&NR35G@84$\(<1)4C> MN'*4*9H;].A%@K7N#];&8(=E+*0>*JNFE]ZO%SB?(YC@0A(0AM?Q.35MCG^$- M \&P,.N@9CC2@.Q&BL!Y;+=9Q:*>-#7O%!/@:?YAN]#-L ,2O3";]GF]=F#2 MO:+D=H^P.4(LRBT7OW+*KJ1$FXBWFHTKV&UU4] M;$OC$D9U!:]+Y3:C!$A ,VQDSPB3MB5#-N#>,+9['*]8>G;HC1=8>.F7IRIW MRD_5RC),C>0\#!NQ"V7B1=(" 6BT92BOSL *9S>.X6. .U'EW M_OGCWKZ!\92>-VENA\E;80X-; 7853]^/0'[#@SBTY0^IKFD0#!BF360!, -679I=C1@0D4Z(W*3, !U,(P9_D\#(9) M;/L>2Q\+U03FCUAU0X7J9A0*3?VN[CP<(K]J)"H*\B\ (.;9[IW_TYN"'@C SD M!&;S,6AOA0"<6N#8I,BQ=L;TP['52=TP51W3@5EW,/@QDMYSF2KK=.Y)K3]S M$Q*,IL5-R-F@BLB-^@#ME8#X+CQ!/ZUIRAG!@, MI*"NFVZR;RBD(1:J((@#"3K _]W\)VPJ^++7]MBS#9"J@LB10$LU:WS%Z4$GMU4_9M>ZP)8$ MU*>_H3&L4BBO8I%EP.C,E EXJG6<~Y^ZBUI3+4&&/ M&K"(\[2@#XLT8WM7 G-5N:EFR3RPW0$GVOB"<.FG(\T+6X7UYSJ$WB[#PHP MM8O;L.)?B/20814C?ZO3/VNJ'#E\]'(T:O7U*;%6?Q=XQ#Q,25KIW*J41*4D M=DI)-& &RLJ6I2E4)X3;M=:0:Z]W8ZQ<>%XQNZGZO&#UZO"PBB65L6A;11+K" MK[,G=CA'I")Z1?0=K9%GA7PY?9NS"93;O"1+ [!1I%^/YU<'[((@;1:>M/SC MUKY_6*]R7S="K=]['_=:NU,JSUKW/Z92-39D2V\^,[7\YLF)7W0452][7V$ M _?XV&^U#C9@3;LX\MKV<3ZHT+;5+K%N/[5Y4)3TFR!B<:?:UU9>ZM=/6OYA M56Y_'Z/>Q=CTZV3#5C3+M7OMK47Z?@?XWQ?N%V9>>VKQNFWI?<YH7G2]M'4 &$BA=VD!=:TT& A7RP;?X((MMPYCR/)4WX%N,#=I&A'ZGY[LBS"O&RXN #6L;!7 K_NMXZ6G3JO2-$]0 M:^M'1WYS?ZGVL6]W9C#8A.0RYXPM@-V0-&%+;6N.?LO=, 'C(FR'J;XV*R_G M^%XW#6%G$6+-VN'\]Hb>M9K3?8161-7 4BSS*=@]PZ(S MH43<)Z4OG^ T!%X$/E?>VM>Q MX"P-L^_<0)!;O VHU5V8I<6("WB9BU.%E:Y)BM7:V,L-/G*;I-^QEZ#A%!M MK'2BP[F%8,6.LUP-Z8<'=Y&G2'@'4LR-=>"SP0"HT9Y;'&M'S+&KG1Y6B!1% MA#- V &KSZ@T-$^OYIVOAD1#?)?7 "K !B"O##?PT3 'U:)R%48$A\<-FZ5O MA+1OQ KS,?%WI*CT?*'XGR%6YU-!/6DL[CU[Z"X]$F&7K+3G"]$68(^C3@)2 M#-PDO-K'LW"KE//1,2@=%4LBW64'X<\)^>UVQ-*Z<[P/Y,8B^Q MZ5'64,CGANE%M;@H)D/5%?0CIG!0\1&\G_ G("C2!X$.P,&3YI*q@"P2+"/@= M^]C%*A(8'EG6'@#[W!.DUFJDAR4A;VIDS;L];%)N^_@#LY@4EQ-P**7[6/9V?:# M,9+HS&VT7JS$M3_+D,/@7Y.4N]'*8_9/^X M^5;&]CUL0TO*F1A9(9**8D0@T+1AGM"!2!R,+WD9OSMBV!>-;J8/(&UU M) 7\TY A4H_W5'VJ5M(&3($O(P9$'P|_N130L)?2YO?+ATOI\/M*:P1,,R>(M%>F#C691T0^I2V\?/J&&8981@I5O(>,8-7GUI>1''!;>C-H, 38Z'TJ$9"%6 &>,3M-7 A_&@9/N);-05SH0%$0L*B22,> 5FN'1%]M6K,^1(%E46ZD1%O\1&\ MB!+FG:;#<A _=(DP$M@)/N[>(?T5 M8V@:(JA"5P">"4%A_ %)$@P.('P0"W@[0(]Z%)^/0'[#@S#(+W73]&OK M84=XL:4.\:8#N'<#XHW@E,E(8[D-%9AW"(6E$;;86PU25>[/KG'9,0V3:=.N ML2&=X:3?+QOAL 0Q%0@&$>4A&;$OB4RI#1UT2L 9ZBMCO;;15X)C4CY&HXP9 M.C')$ 4N3N*7ABH6(=LV,KHOH']TIZZJ!1.%*$0(;F"ML3[CQ\4D0X2]WJ M7:"Z?!=0@H<$N"OJLNPEH"^U7FK#9/G@? MS0+4OM)F_KO[.T8UV"Q(51)4'9F3&!?@\-B MG_2 8OI4@%Z/!.AU4@%Z/=:INN*)RL^%W7][!G*"8O),\PHHF;ZY3>F&&;@% MXS=AS*\M$"IS'NO_VYX3^]:UY)B ZL;'<,.7:%GX''3B1=T@.Q=4I)D6".5 MWGH#<!OT#G&%X>_3M7:8]J75@5J%"TW.4\6? T'D0WZ.G^0=,K\+"F>=+I M!<2>.NS+"@[O!#R"54R _.#K-=8>R@#IIEA#-8FO:ZI2B%QLS)1O5U" M; P1=+Z#91ZI;M]!8%ZT0:.1.*", &@QZ BJEQ\6N"4%#+#PG!1@# M&/2Z"\%RFZ@'HM"$CFWT 4G<-0PASF3Y:]798[HN2LQ!LC8(&#''LT(=NW8 M6R1-AE"6"];$"^> .KX4H[&.UCSMD$J4;]?O+N\/C\5#?[TE\3+883X^1O+ MUA[9KEKL?+R(0/!QYATM_U80A2.-%-J/B;5>OI0@7R"@&%3&_C&PZ4C.$1-* ML#,:)9F57XSK.6:GH]1JX+_I&>$03"+%UVQ-*Z<[P/Y,8B^Q MZ5'64,CGANE%M;@H)D/5%?0CIG!0\1&\G_ G("C2!X$.P,&3YI*q@"P2+"/@= M^]C%*A(8'EG6'@#[W!.DUFJDAR4A;VIDS;L];%)N^_@#LY@4EQ-P**7[6/9V?:# M,9+HS&VT7JS$M3_+D,/@7Y.4N]'*8_9/^X M^5;&]CUL0TO*F1A9(9**8D0@T+1AGM"!2!R,+WD9OSMBV!>-;J8/(&UU M) 7\TY A4H_W5'VJ5M(&3($O(P9$'P|_N130L)?2YO?+ATOI\/M*:P1,,R>(M%>F#C691T0^I2V\?/J&&8981@I5O(>,8-7GUI>1''!;>C-H, 38Z'TJ$9"%6 &>,3M-7 A_&@9/N);-05SH0%$0L*B22,> 5FN'1%]M6K,^1(%E46ZD1%O\1&\ MB!+FG:;#<A _=(DP$M@)/N[>(?T5 M8V@:(JA"5P">"4%A_ %)$@P.('P0"W@[0(]Z%)^/0'[#@S#(+W73]&OK M84=XL:4.\:8#N'<#XHW@E,E(8[D-%9AW"(6E$;;86PU25>[/KG'9,0V3:=.N ML2&=X:3?+QOAL 0Q%0@&$>4A&;$OB4RI#1UT2L 9ZBMCO;;15X)C4CY&HXP9 M.C')$ 4N3N*7ABH6(=LV,KHOH']TIZZJ!1.%*$0(;F"ML3[CQ\4D0X2]WJ M7:"Z?!=0@H<$N"OJLNPEH"^U7FK#9/G@? MS0+4OM)F_KO[.T8UV"Q(51)4'9F3&!?@\-B MG_2 8OI4@%Z/!.AU4@%Z/=:INN*)RL^%W7][!G*"8O),\PHHF;ZY3>F&&;@% MXS=AS*\M$"IS'NO_VYX3^]:UY)B ZL;'<,.7:%GX''3B1=T@.Q=4I)D6".5 MWGH#<!OT#G&%X>_3M7:8]J75@5J%"TW.4\6? T'D0WZ.G^0=,K\+"F>=+I M!<2>.NS+"@[O!#R"54R _.#K-=8>R@#IIEA#-8FO:ZI2B%QLS)1O5U" M; P1=+Z#91ZI;M]!8%ZT0:.1.*", &@QZ BJEQ\6N"4%#+#PG!1@# M&/2Z"\%RFZ@'HM"$CFWT 4G<-0PASF3Y:]798[HN2LQ!LC8(&#''LT(=NW8 M6R1-AE"6"];$"^> .KX4H[&.UCSMD$J4;]?O+N\/C\5#?[TE\3+883X^1O+ MUA[9KEKL?+R(0/!QYATM_U80A2.-%-J/B;5>OI0@7R"@&%3&_C&PZ4C.$1-* ML#,:)9F57XSK.6:GH]1JX+_I&>$03"+%UVQ-*Z<[P/Y,8B^Q MZ5'64,CGANE%M;@H)D/5%?0CIG!0\1&\ G("C2!X$.P,&3YI*q@"P2+"/@= M^]C%*A(8'EG6'@#[W!.DUFJDAR4A;VIDS;L];%)N^_@#LY@4EQ-P**7[6/9V?:# M,9+HS&VT7JS$M3_+D,/@7Y.4N]'*8_9/^X M^5;&]CUL0TO*F1A9(9**8D0@T+1AGM"!2!R,+WD9OSMBV!>-;J8/(&UU M) 7\TY A4H_W5'VJ5M(&3($O(P9$'P|_N130L)?2YO?+ATOI\/M*:P1,,R>(M%>F#C691T0^I2V\?/J&&8981@I5O(>,8-7GUI>1''!;>C-H, 38Z'TJ$9"%6 &>,3M-7 A_&@9/N);-05SH0%$0L*B22,> 5FN'1%]M6K,^1(%E46ZD1%O\1&\ MB!+FG:;#<A _=(DP$M@)/N[>(?T5 M8V@:(JA"5P">"4%A_ %)$@P.('P0"W@[0(]Z%)^/0'[#@S#(+W73]&OK M84=XL:4.\:8#N'<#XHW@E,E(8[D-%9AW"(6E$;;86PU25>[/KG'9,0V3:=.N ML2&=X:3?+QOAL 0Q%0@&$>4A&;$OB4RI#1UT2L 9ZBMCO;;15X)C4CY&HXP9 M.C')$ 4N3N*7ABH6(=LV,KHOH']TIZZJ!1.%*$0(;F"ML3[CQ\4D0X2]WJ M7:"Z?!=0@H<$N"OJLNPEH"^U7FK#9/G@? MS0+4OM)F_KO[.T8UV"Q(51)4'9F3&!?@\-B MG_2 8OI4@%Z/!.AU4@%Z/=:INN*)RL^%W7][!G*"8O),\PHHF;ZY3>F&&;@% MXS=AS*\M$"IS'NO_VYX3^]:UY)B ZL;'<,.7:%GX''3B1=T@.Q=4I)D6".5 MWGH#<!OT#G&%X>_3M7:8]J75@5J%"TW.4\6? T'D0WZ.G^0=,K\+"F>=+I M!<2>.NS+"@[O!#R"54R _.#K-=8>R@#IIEA#-8FO:ZI2B%QLS)1O5U" M; P1=+Z#91ZI;M]!8%ZT0:.1.*", &@QZ BJEQ\6N"4%#+#PG!1@# M&/2Z"\%RFZ@'HM"$CFWT 4G<-0PASF3Y:]798[HN2LQ!LC8(&#''LT(=NW8 M6R1-AE"6"];$"^> .KX4H[&.UCSMD$J4;]?O+N\/C\5#?[TE\3+883X^1O+ MUA[9KEKL?+R(0/!QYATM_U80A2.-%-J/B;5>OI0@7R"@&%3&_C&PZ4C.$1-* ML#,:)9F57XSK.6:GH]1JX+_I&>$03"+%UVQ-*Z<[P/Y,8B^Q MZ5'64,CGANE%M;@H)D/5%?0CIG!0\1&\G_

lpth:EngineeringServicesMember 2024-07-01 2024-09-30 0000889971 lpth:VisibleComponentsMember 2023-07-01 2023-09-30 0000889971 lpth:InfraredComponentsMember 2023-07-01 2023-09-30 0000889971 lpth:InfraredComponentsMember 2024-07-01 2024-09-30 0000889971 lpth:VisibleComponentsMember 2024-07-01 2024-09-30 0000889971 lpth:AssembliesAndModulesMember 2024-07-01 2024-09-30 0000889971 lpth:EngineeringServicesMember 2023-07-01 2023-09-30 0000889971 lpth:AssembliesAndModulesMember 2023-07-01 2023-09-30 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember lpth:CustomerBacklogMember 2023-07-01 2023-07-31 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember lpth:CustomerBacklogMember 2024-01-01 2024-01-02 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember lpth:CustomerBacklogMember 2023-10-01 2023-10-23 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember us-gaap:TrademarksMember 2024-07-01 2024-09-30 0000889971 lpth:OneJulyTwoZeroTwentyFourMember lpth:AcquisitionOfVisimidTechnologiesMember lpth:CustomerBacklogMember 2024-07-01 2024-09-30 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember us-gaap:TradeSecretsMember 2024-07-01 2024-09-30 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember us-gaap:CustomerRelationshipsMember 2024-07-01 2024-09-30 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember lpth:CustomerBacklogMember 2024-07-01 2024-09-30 0000889971 lpth:OneJanuaryTwoZeroTwentyFourMember lpth:AcquisitionOfVisimidTechnologiesMember lpth:CustomerBacklogMember 2024-07-01 2024-09-30 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember 2024-07-01 2024-09-30 0000889971 lpth:AcquisitionOfVisimidTechnologiesMember 2023-07-01 2023-07-31 0000889971 us-gaap:RetainedEarningsMember 2024-09-30 0000889971 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-09-30 0000889971 us-gaap:AdditionalPaidInCapitalMember 2024-09-30 0000889971 lpth:ClassACommonStocksMember 2024-09-30 0000889971 us-gaap:RetainedEarningsMember 2024-07-01 2024-09-30 0000889971 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-07-01 2024-09-30 0000889971 us-gaap:AdditionalPaidInCapitalMember 2024-07-01 2024-09-30 0000889971 lpth:ClassACommonStocksMember 2024-07-01 2024-09-30 0000889971 us-gaap:RetainedEarningsMember 2024-06-30 0000889971 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-06-30 0000889971 us-gaap:AdditionalPaidInCapitalMember 2024-06-30 0000889971 lpth:ClassACommonStocksMember 2024-06-30 0000889971 2023-09-30 0000889971 us-gaap:RetainedEarningsMember 2023-09-30 0000889971 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-09-30 0000889971 us-gaap:AdditionalPaidInCapitalMember 2023-09-30 0000889971 lpth:ClassACommonStocksMember 2023-09-30 0000889971 us-gaap:RetainedEarningsMember 2023-07-01 2023-09-30 0000889971 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-07-01 2023-09-30 0000889971 us-gaap:AdditionalPaidInCapitalMember 2023-07-01 2023-09-30 0000889971 lpth:ClassACommonStocksMember 2023-07-01 2023-09-30 0000889971 2023-06-30 0000889971 us-gaap:RetainedEarningsMember 2023-06-30 0000889971 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-06-30 0000889971 us-gaap:AdditionalPaidInCapitalMember 2023-06-30 0000889971 lpth:ClassACommonStocksMember 2023-06-30 0000889971 2023-07-01 2023-09-30 0000889971 2024-06-30 0000889971 2024-09-30 0000889971 2024-11-04 iso4217:USD shares iso4217:USD shares pure 0000889971 false --06-30 Q1 2025 0.01 500000 0 0 0 0 0.01 94500000 39612737 34344739 1400000.0 32000 2034 10-Q true 2024-09-30 false 000-27548 LIGHTPATH TECHNOLOGIES, INC. DE 86-0708398 2603 Challenger Tech Ct Suite 100 Orlando FL 32826 407 382-4003 Class A Common Stock, par value $0.01 LPTH NASDAQ Yes Yes Non-accelerated Filer true false false 39664887 4280637 3480268 20870 25676 5196840 4928931 6790204 6551059 538580 445900 2218 131177 16808479 15537335 14921499 15210612 6514321 6741549 3254963 3650739 6764127 6764127 123000 123000 58001 59602 48444390 48086964 2661862 3231713 1413876 1911867 1487707 1446452 1028981 1059998 2963855 209170 183656 177148 9739937 8036348 331755 326197 315480 611619 491106 528753 7836512 8058502 284881 325880 18999671 17887299 0.01 500000 0 0 0.01 94500000 39612737 39254643 396127 392546 245733382 245140758 781530 509936 -217466320 -215843575 29444719 30199665 48444390 48086964 8400381 8077248 5555952 5745542 2844429 2331706 3270583 2661168 476441 639889 395776 281271 -78437 0 4221237 3582328 -1376808 -1250622 149360 57611 -80941 5403 -230301 -52208 -1607109 -1302830 15636 39546 -1622745 -1342376 271594 125208 -1351151 -1467584 -0.04 -0.04 39561480 37431748 -0.04 -0.04 39561480 37431748 39254643 392546 245140758 509936 -215843575 30199665 8232 82 10290 0 0 10372 70309 703 -703 0 0 0 279553 2796 318562 0 0 321358 0 264475 0 0 271594 0 271594 0 0 0 -1622745 -1622745 39612737 396127 245733382 781530 -217466320 29444719 37344739 373447 242808771 606536 -207836229 35952525 14607 146 19573 0 0 19719 14482 145 -145 0 0 0 81610 816 149184 0 0 150000 0 240075 0 0 240075 0 0 -125208 0 -125208 0 0 0 -1342376 -1342376 37455438 374554 243217458 481328 -209178605 34894735 -1622745 -1342376 989562 813556 45833 0 -78437 0 264475 240075 0 19 -25779 24946 21770 0 5558 2979 267909 -1399160 -128959 27083 260915 -144978 91079 -13335 -966368 -129600 -1700201 1139989 79732 955002 10648 0 0 364710 125000 572141 -194084 -1162433 10372 19719 300000 0 3000000 0 53695 206518 43444 27062 2613233 -213861 81421 -48227 800369 -284532 3480268 7144490 4280637 6859958 20990 58397 16903 33407 0 46688 1. Basis of Presentation References in this document to “the Company,” “LightPath,” “we,” “us,” or “our” are intended to mean LightPath Technologies, Inc., individually, or as the context requires, collectively with its subsidiaries on a consolidated basis. These unaudited Condensed Consolidated Financial Statements have been prepared in accordance with the requirements of Article 8 of Regulation S-X promulgated under the Exchange Act and, therefore, do not include all information and footnotes necessary for a fair presentation of financial position, results of operations, and cash flows in conformity with accounting principles generally accepted in the United States of America. These unaudited Condensed Consolidated Financial Statements should be read in conjunction with our Consolidated Financial Statements and related notes, included in our Annual Report on Form 10-K for the fiscal year ended June 30, 2024, filed with the SEC. Unless otherwise stated, references to particular years or quarters refer to our fiscal years ended June 30 and the associated quarters of those fiscal years. These Condensed Consolidated Financial Statements are unaudited, but include all adjustments, including normal recurring adjustments, which, in the opinion of management, are necessary to present fairly our financial position, results of operations and cash flows for the interim periods presented. The Consolidated Balance Sheet as of June 30, 2024 has been derived from the audited financial statements at that date but does not include all of the information and notes required by generally accepted accounting principles for complete financial statements. Results of operations for interim periods are not necessarily indicative of the results that may be expected for the year as a whole. The unaudited Condensed Consolidated Financial Statements include the accounts of the Company and its wholly-owned subsidiaries. All significant intercompany balances and transactions have been eliminated in consolidation. 2. Significant Accounting Policies Our significant accounting policies are provided in Note 2, Summary of Significant Accounting Policies, in the Consolidated Financial Statements in our Annual Report on Form 10-K for the fiscal year ended June 30, 2024. There have been no material changes to our significant accounting policies during the three months ended September 30, 2024, from those disclosed in our Annual Report on Form 10-K for the fiscal year ended June 30, 2024. Use of Estimates Management makes estimates and assumptions during the preparation of our unaudited Condensed Consolidated Financial Statements that affect amounts reported in the unaudited Condensed Consolidated Financial Statements and accompanying notes. Such estimates and assumptions could change in the future as more information becomes available, which, in turn, could impact the amounts reported and disclosed herein. Management makes estimates and assumptions during the preparation of our unaudited Condensed Consolidated Financial Statements that affect amounts reported in the unaudited Condensed Consolidated Financial Statements and accompanying notes. Such estimates and assumptions could change in the future as more information becomes available, which, in turn, could impact the amounts reported and disclosed herein. 3. Acquisition of Visimid Technologies In July 2023, the Company acquired Liebert Consulting LLC, dba Visimid Technologies (“Visimid”), pursuant to a Membership Interest Purchase Agreement dated as of July 25, 2023 (the “Acquisition Date”). Part of the Company’s growth strategy is to identify appropriate opportunities that would enhance our profitable growth through acquisition. Visimid is an engineering and design firm specializing in thermal imaging, night vision and internet of things (“IOT”) applications. Visimid provides design and consulting services for Department of Defense (“DoD”) contractors, commercial and industrial customers, and original equipment manufacturers (“OEMs”) for original new products. Visimid’s core competency is developing and producing custom thermal and night vision cores. We believe that Visimid’s capabilities are aligned with our strategy to focus on engineered solutions. The Company’s unaudited condensed consolidated financial statements reflect the financial results of Visimid beginning on the Acquisition Date. The purchase price included $1 million in cash, $1,550,000 of restricted stock, $150,000 of assumed bank debt, and an earnout which is contingent upon the award and completion of a specific customer contract. Of the restricted stock payable as part of the purchase price, $150,000 (81,610 shares) was issued at closing, with the balance to be issued in four equal installments of $350,000 each, on January 1, 2024, July 1, 2024, January 1, 2025 and July 1, 2025. The number of shares is based on the average closing price of the Company’s Class A common stock, as reported by Bloomberg, for the five trading days prior to each stock issuance. For the January 1, 2024 installment, 267,176 shares were issued, and for the July 1, 2024 installment, 279,553 shares were issued. The total purchase price, net of cash acquired and including the estimated potential earnout, is approximately $2.7 million, based on present values as of the Acquisition Date. Of this amount, $600,000 was paid at closing, cash installments of $150,000, $125,000 and $125,000 were paid in October 2023, January 2024 and September 2024, respectively, per the terms of the purchase agreement, and the remaining cash and stock payments, including the estimated potential earnout, have been accrued and are included in Accrued liabilities and Accrued liabilities, noncurrent in the unaudited Condensed Consolidated Balance Sheet as of September 30, 2024. The estimated fair values of the assets acquired and liabilities assumed were recorded as of the Acquisition Date. As part of the valuation analysis, the Company identified intangible assets, including customer relationships, customer backlog, trade secrets and trademarks. The customer backlog, customer relationships, trade secrets and trademarks were determined to have estimated values of approximately $464,000, $122,000, $925,000 and $442,000, respectively, and estimated useful lives of 1 year for customer backlog, and 10 years for customer relationships, trade secrets and trademarks. The estimated fair value of identifiable intangible assets is determined primarily using the “income approach,” which requires a forecast of all future cash flows. The goodwill recognized is attributable primarily to expected synergies and the assembled workforce of Visimid. The goodwill is expected to be deductible for income tax purposes. The Company incurred a total of approximately $238,000, in acquisition costs, of which $83,000 was incurred during the three months ended September 30, 2023. These costs are included in the unaudited Condensed Consolidated Statements of Comprehensive Income (Loss) in the line item entitled “Selling, general and administrative.” No further acquisition costs were incurred during the three months ended September 30, 2024. Prior to the Acquisition, the Company had a preexisting relationship with Visimid. The Company contracted Visimid for engineering services and purchased infrared camera cores from Visimid on an arms’ length basis. The Company had also partnered with Visimid for the development of the Mantis camera. 1000000 1550000 150000 Of the restricted stock payable as part of the purchase price, $150,000 (81,610 shares) was issued at closing, with the balance to be issued in four equal installments of $350,000 each, on January 1, 2024, July 1, 2024, January 1, 2025 and July 1, 2025 267176 279553 2700000 600000 150000 125000 125000 464000 122000 925000 442000 P1Y P10Y 238000 83000 4. Revenue Product Revenue We are a manufacturer of optical components and higher-level assemblies, including precision molded glass aspheric optics, molded and diamond-turned infrared optical components, and other optical materials used to produce products that manipulate light. We design, develop, manufacture, and distribute optical components and assemblies utilizing advanced optical manufacturing processes. We also provide engineering services and perform research and development for optical solutions for a wide range of optics markets. Revenue is derived primarily from the sale of optical components and assemblies. Revenue Recognition Revenue is generally recognized upon transfer of control, including the risks and rewards of ownership, of products or services to customers in an amount that reflects the consideration we expect to receive in exchange for those products or services. We generally bear all costs, risk of loss, or damage and retain title to the goods up to the point of transfer of control of products to customers. Shipping and handling costs are included in the cost of goods sold. We present revenue net of sales taxes and any similar assessments. Customary payment terms are granted to customers, based on credit evaluations. We currently do not have any contracts where revenue is recognized, but the customer payment is contingent on a future event. We record deferred revenue when cash payments are received or due in advance of revenue recognition. Deferred revenue was $317,000 and $725,000 as of September 30, 2024 and June 30, 2024, respectively, and is included in accrued liabilities in the condensed consolidated balance sheets.</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Nature of Products</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Revenue from the sale of optical components and assemblies is recognized upon transfer of control, including the risks and rewards of ownership, to the customer. The performance obligations for the sale of optical components and assemblies are satisfied at a point in time. Product development agreements for engineering services are generally short-term in nature, with revenue recognized upon satisfaction of the performance obligation, and transfer of control of the agreed-upon deliverable. Visimid has one longer-term order with a defense customer which includes both product development and hardware deliverables where similar revenue recognition criteria will be applied.</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">We categorize our products into four product groups: infrared components, visible components, assemblies and modules, and engineering services.</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Revenue by product group for the three months ended September 30, 2024 and 2023 was as follows:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: #000000 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 0in; text-align:center;">Three Months Ended </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 0in; text-align:center;">September 30,</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 0in; text-align:center;">2024</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; 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Inventories</strong></p><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:left;">The components of inventories include the following:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:left;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 0in; text-align:center;"><strong>September 30, </strong></p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 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tooling in raw materials, net of the related allowance for obsolescence, was approximately $1.4 million as of both September 30, 2024 and June 30, 2024.</p> <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 0in; text-align:center;"><strong>September 30, </strong></p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 0in; text-align:center;"><strong>2024</strong></p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new 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Property and Equipment</strong></p><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Property and equipment are summarized as follows:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;"><strong>Estimated </strong></p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;"><strong>Lives (Years)</strong></p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;"><strong>September 30, </strong></p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;"><strong>2024</strong></p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;"><strong>June 30, </strong></p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;"><strong>2024</strong></p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;
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roman;margin:0px">Manufacturing equipment </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 5 - 10 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">22,912,199</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">22,582,429</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Computer equipment and software </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 3 - 5 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">974,713</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">970,494</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Furniture and fixtures </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2" style="width:1%;vertical-align:bottom;white-space: nowrap;"> 5 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">356,701</td><td style="width:1%;white-space: 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style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(18,303,174</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Total property and equipment, net </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">14,921,499</td><td 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1px solid;width:9%;vertical-align:bottom;text-align:center;"> September 30, 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> June 30, 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Manufacturing equipment </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 5 - 10 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">22,912,199</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">22,582,429</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Computer equipment and software </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 3 - 5 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">974,713</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">970,494</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Furniture and fixtures </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2" style="width:1%;vertical-align:bottom;white-space: nowrap;"> 5 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">356,701</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">349,932</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Leasehold improvements </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 5 - 10 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">9,039,219</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">8,964,714</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Construction in progress </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">692,055</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">646,217</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Total property and equipment </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">33,974,887</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">33,513,786</td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Less accumulated depreciation and amortization </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(19,053,388</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(18,303,174</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#ffffff"><td 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style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> P5Y P10Y 22912199 22582429 P3Y P5Y 974713 970494 P5Y 356701 349932 P5Y P10Y 9039219 8964714 692055 646217 33974887 33513786 19053388 18303174 14921499 15210612 <p style="FONT-SIZE: 10pt; FONT-

FAMILY: times new roman; MARGIN: 0px; text-align:left;">7. Goodwill and Intangible Assets There were no changes in the net carrying value of goodwill during the three months ended September 30, 2024. Amortizable intangible assets were comprised of: <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Useful Lives (Years) </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> September 30, 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> June 30, 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Customer relationships </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 10 - 15 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,712,300</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,712,300</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Trade secrets </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 8 - 10 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">4,197,304</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">4,197,304</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Trademarks </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 8 - 10 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">4,256,418</td><td style="width:1%;white-space: nowrap;"> </td><td 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solid;width:9%;vertical-align:bottom;text-align:right;">463,525</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Total intangible assets </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2" style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">12,629,547</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">12,629,547</td><td style="width:1%;white-space: nowrap;"> Less accumulated amortization </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2" style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(9,374,584</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(8,978,808</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Total intangible assets, net </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2" style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">3,254,963</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">3,650,739</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> Future amortization of intangibles is as follows: <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td style="vertical-align:top;"> Fiscal year ending: </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2025 (nine months remaining) </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">488,878</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2026</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">388,336</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2027</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">388,336</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2028</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">388,336</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2029</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" 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</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> June 30, 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Customer relationships </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 10 - 15 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,712,300</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td 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</td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2"> 8 - 10 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">4,256,418</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">4,256,418</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Backlog </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2" style="width:1%;vertical-align:bottom;white-space: nowrap;"> 1 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">463,525</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">463,525</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> Total intangible assets </td><td style="width:1%;white-space: nowrap;"> </td><td colspan="2" style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">12,629,547</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">12,629,547</td><td 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intangibles is as follows: <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td style="vertical-align:top;"> Fiscal year ending: </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2025 (nine months remaining) </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">488,878</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2026</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">388,336</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2027</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" 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Income Taxes A summary of our total income tax expense and effective income tax rate for the three months ended September 30, 2024 and 2023 is as follows: <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: #000000 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Three Months Ended September 30, </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2023 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Loss before income taxes </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(1,607,109</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(1,302,830</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Income tax provision </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">15,636</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">39,546</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Effective income tax rate </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">-1</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">%</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">-3</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">%</td></tr></tbody></table> -1607109 -1302830 15636 39546 -0.01 -0.03 0.255 0.15 32000 0.20 0.25 9. Stock-Based Compensation Our directors, officers, and key employees are granted stock-based compensation through our Amended and Restated Omnibus Incentive Plan, as amended (the "Omnibus Plan"), through October 2018 and after that date, through our 2018 Stock and Incentive Compensation Plan (the "SICP"). Such stock-based compensation may include, among other things, incentive stock options, non-qualified stock options, restricted stock awards ("RSAs") and restricted stock units ("RSUs"). The SICP is administered by the Compensation Committee of the Board of Directors. At our 2018 Annual Stockholders Meeting, our stockholders approved the SICP under which an aggregate of 1,650,870 shares of our

Class A common stock were authorized for issuance pursuant to awards granted thereunder. At our 2022 Annual Stockholders Meeting, our stockholders authorized an additional 2,100,000 shares of our Class A common stock for issuance pursuant to awards granted thereunder. As of September 30, 2024, 832,099 shares of Class A common stock were authorized and available for issuance pursuant to awards granted under the SICP. The Company's executive officers are eligible to earn incentive compensation consisting of equity-based awards, as well as cash bonuses, based on the achievement of certain individual and/or Company performance goals set by the Compensation Committee. Stock-based compensation expense is based primarily on the fair value of the award as of the grant date, and is recognized as an expense over the requisite service period. The following table shows total stock-based compensation expense for the three months ended September 30, 2024 and 2023, the majority of which is included in selling, general and administrative ("SG&A") expenses in these unaudited Condensed Consolidated Statements of Comprehensive Income (Loss): <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Three Months Ended September 30, </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2023 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Stock options </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">146,979</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">31,478</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> RSAs </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">10,809</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">22,387</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> RSUs </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">106,687</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">186,210</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Total </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">264,475</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">240,075</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> We also adopted the LightPath Technologies, Inc. Employee Stock Purchase Plan (the "2014 ESPP"). The 2014 ESPP permits employees to purchase Class A common stock through payroll deductions, subject to certain limitations. A discount of approximately $1,100 and $2,000 for the three months ended September 30, 2024 and 2023, respectively, is included in SG&A expenses in these unaudited Condensed Consolidated Statements of Comprehensive Income (Loss), which represents the value of the 10% discount given to the employees purchasing stock under the 2014 ESPP. Grant Date Fair Values and Underlying Assumptions; Contractual Terms We estimate the fair value of each stock option as of the date of grant, using the Black-Scholes-Merton pricing model. The fair value of 2014 ESPP shares is the amount of the discount the employee obtains at the date of the purchase transaction. Most stock options granted vest ratably over two to four years and are generally exercisable for ten years. The assumed forfeiture rates used in calculating the fair value of RSA and RSU grants was 0%, and the assumed forfeiture rates used in calculating the fair value of options for performance and service conditions were 20% for each of the three months ended September 30, 2024 and 2023. The volatility rate and expected term are based on seven-year historical trends in Class A common stock closing prices and actual forfeitures. The interest rate used is the U.S. Treasury interest rate for constant maturities. No stock options were granted during the three months ended September 30, 2024 or 2023. Restricted Stock Awards RSAs are granted primarily to our executive officers, employees and consultants, and typically vest over a one to three year period from the date of grant, although some may vest immediately upon grant. The stock underlying RSAs is issued upon vesting. Restricted Stock Units RSUs are granted primarily to our directors, although RSU awards may also be made to executive officers, employees and consultants. RSUs typically vest over a one to four year period from the date of grant, although some may vest immediately upon grant. Information Regarding Current Share-Based Compensation Awards A summary of the activity for share-based compensation awards in the three months ended September 30, 2024 is presented below: <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="10" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Stock Options </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Restricted Stock Units (RSUs) </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Restricted Stock Awards (RSAs) </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Average </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Average </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Average </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Average </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Exercise </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Remaining </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Remaining </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Remaining </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Shares </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Price </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Contract </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Shares </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Contract </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2024 </td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new

</td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">553,689</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">2.02</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">5.4</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">1,250,132</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">0.8</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">161,540</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">1.5</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"

style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> September 30, 2024 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">477,409</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">1.94</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">4.7</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">587,351</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">—</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">—</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"

style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">45,292</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">142,377</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">197,870</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2027 </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">6,903</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">8,155</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">74,693</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">89,751</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">42,732</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">119,501</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">454,062</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">616,295</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> 1650870 2100000 832099 <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Three Months Ended September 30, </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2023 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Stock options </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">146,979</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">31,478</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> RSAs </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">10,809</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">22,387</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> RSUs </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">106,687</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">186,210</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Total </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">264,475</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">240,075</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> 146979 31478 10809 22387 106687 186210 264475 240075 1100 2000 options granted vest ratably over two to four years and are generally exercisable for ten years. The assumed forfeiture rates used in calculating the fair value of RSA and RSU grants was 0%, and the assumed forfeiture rates used in calculating the fair value of options for performance and service conditions were 20% for each of the three months ended September 30, 2024 and 2023. The volatility rate and expected term are based on seven-year historical trends in Class A common stock closing prices and actual forfeitures. <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="10" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Stock Options </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:6%;text-align:center;"> Restricted Stock Units (RSUs) </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Restricted Stock Awards (RSAs) </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Weighted- </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Average </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Average </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Average </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Exercise </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Remaining </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> Remaining </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;"></td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="width:6%;vertical-align:bottom;text-align:center;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Shares </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Price </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Contract </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Shares </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:center;"> Contract </td><td style="PADDING-BOTTOM:

1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2024 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">553,689</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">2.02</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" 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style="width:6%;vertical-align:bottom;text-align:right;">161,540</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">1.5</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td 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style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">—</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">—</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p 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</p></td><td class="ffcell" style="width:6%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">74,653</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:6%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 0in">Cancelled/Forfeited</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:right;">28,794</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">2.96</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:right;">—</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:6%;vertical-align:bottom;text-align:right;">—</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> September 30, 2024 </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:6%;vertical-align:bottom;text-align:right;">524,895</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">1.97</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">5.1</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:6%;vertical-align:bottom;text-align:right;">1,250,132</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">0.6</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:6%;vertical-align:bottom;text-align:right;">146,887</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;vertical-align:bottom;text-align:right;">1.3</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Awards exercisable/ </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:6%;"> </td><td 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25628 66054 236992 328674 10201 45292 142377 197870 6903 8155 74693 89751 42732 119501 454062 616295 10. Earnings (Loss) Per Share Basic earnings (loss) per share is computed by dividing net income or loss by the weighted-average number of shares of Class A common stock outstanding, during each period presented. Diluted earnings (loss) per share is computed similarly to basic earnings (loss) per share, except that it reflects the potential dilution that could occur if dilutive securities or other obligations to issue shares of Class A common stock were exercised or converted into shares of Class A common stock. The computations for basic and diluted earnings (loss) per share of Class A common stock are described in the following table: <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Three Months Ended September 30, </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2023 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Net loss </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">(1,622,745</td><td style="PADDING-BOTTOM: 3px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">(1,342,376</td><td style="PADDING-BOTTOM: 3px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#ffffff"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Weighted-average common shares outstanding: </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Basic number of shares </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">39,561,480</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">37,431,748</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Effect of dilutive securities: </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Options to purchase common stock </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">–</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">–</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> RSUs and RSAs </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;width:9%;vertical-align:bottom;text-align:right;">–</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;width:9%;vertical-align:bottom;text-align:right;">–</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Diluted number of shares </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;white-space: nowrap;"> 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</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Basic </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">(0.04</td><td style="PADDING-BOTTOM: 3px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td 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Leases Our leases primarily consist of operating leases related to our facilities located in Orlando, Florida; Riga, Latvia; Shanghai, China; and Zhenjiang, China, and finance leases related to certain equipment located in Orlando, Florida and Riga, Latvia. The operating leases for facilities are non-cancelable operating leases, with terms at various times through 2034. We typically include

options to renew (or terminate) in our lease term, and as part of our right-of-use ("ROU") assets and lease liabilities, when it is reasonably certain that we will exercise such options. We currently have twelve finance lease agreements entered into during fiscal years 2023 and 2024 with terms ranging from three to five years. The finance leases are for computer and manufacturing equipment. Our operating lease ROU assets and the related lease liabilities are initially measured at the present value of future lease payments over the lease term. One of our operating leases includes renewal options, which were not included in the measurement of the operating lease ROU assets and related lease liabilities. The lease on the premises comprising our primary facility in Orlando, Florida (the "Orlando Facility") was amended in April 2021, and again in September 2021, to expand the space from approximately 26,000 square feet to approximately 58,500 square feet. The lease term was extended from April 30, 2022, to that certain date that is one hundred twenty-seven (127) months after the date the landlord completes certain work to be done at the leased premises. The landlord's work was completed in August 2023, and accordingly the lease expires on March 31, 2034. Effective in January 2022, the terms of our leases in Zhenjiang, China and Riga, Latvia were extended to December 31, 2024 and 2030, respectively. It is our intention to renew the lease on the reduced space in Zhenjiang for at least a one-year term. As most of our operating leases do not provide an implicit rate, we use our collateralized incremental borrowing rate based on the information available at the commencement date in determining the present value of future payments. Currently, none of our operating leases include variable lease payments that are dependent on an index or rate. We are responsible for payment of certain real estate taxes, insurance and other expenses on certain of our operating leases. These amounts are generally considered to be variable and are not included in the measurement of the ROU assets and the related lease liabilities. We generally account for non-lease components, such as maintenance, separately from lease components. Our lease agreements do not contain any material residual value guarantees or material restricted covenants. Leases with a term of 12 months or less are not recorded on the balance sheet; we recognize lease expense for these leases on a straight-line basis over the lease term. We received tenant improvement allowances for each of our two leases with respect to our Orlando Facility. These allowances were used to construct improvements and are included in leasehold improvements and operating lease liabilities. The balances are being amortized over the corresponding lease terms. In August 2023, we completed the construction of additional tenant improvements within the premises subject to our continuing lease for our Orlando Facility, of which the landlord provided $2.4 million in tenant improvement allowances. We funded the balance of the tenant improvement costs of approximately $3.7 million.</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">The components of lease expense for the three months ended September 30, 2024 and 2023 were as follows:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Three Months Ended September 30,</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">2024</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">2023</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Operating lease cost</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">268,495</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">205,023</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Finance lease cost:</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Depreciation of lease assets</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">37,816</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">19,915</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Interest on lease liabilities</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">14,062</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">7,536</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Total finance lease cost</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">51,878</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">27,451</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Total lease cost</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">320,373</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">232,474</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr></tbody></table><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Supplemental balance sheet information related to the leases as of September 30, 2024 and June 30, 2024 was as follows:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" style="BORDER-BOTTOM: #000000 1px solid;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Classification</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">September 30, </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">2024</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">June 30, </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">2024</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td style="vertical-align:top;">Assets:</td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 15px; text-align:left;">Operating lease assets</p></td><td style="width:40%;">Operating lease assets</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">6,514,321</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">6,741,549</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px 0px 0px 15px; text-align:left;">Finance lease assets</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td>Property and equipment, net⁽¹⁾</td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">935,262</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">1,063,768</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;">Total lease assets</td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">7,449,583</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 3px double;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">7,805,317</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new 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style="height:15px;background-color:#cceeff"><td style="vertical-align:top;">Liabilities:</td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new 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style="vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="vertical-align:bottom;text-align:right;">1,028,981</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="vertical-align:bottom;text-align:right;">1,059,998</td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance leases </td><td style="white-space: nowrap;"> </td><td>Finance lease liabilities, current</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">183,656</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">177,148</td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman;

MARGIN: 0px 0px 0px 15px; text-align:left;">Noncurrent: </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating leases </td><td style="white-space: nowrap;"> </td><td>Operating lease liabilities, less current portion</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">7,836,512</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">8,058,502</td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance leases </td><td style="white-space: nowrap;"> </td><td>Finance lease liabilities, less current portion</td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">491,106</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">528,753</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;">Total lease liabilities</td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">9,540,255</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">9,824,401</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"> </td></tr></tbody></table> <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td style="width:4%;vertical-align:top;"> ⁽¹⁾ </td><td style="vertical-align:top;"> Finance lease assets were recorded net of accumulated depreciation of approximately $147,000 and $109,000 as of September 30, 2024 and June 30, 2024, respectively.</p></td></tr></tbody></table><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Lease term and discount rate information related to leases was as follows:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td style="BORDER-BOTTOM: 1px solid;vertical-align:bottom;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Lease Term and Discount Rate</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">September 30, 2024</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Weighted Average Remaining Lease Term (in years)</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Operating leases</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">9.1</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Finance leases</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3.8</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Weighted Average Discount Rate</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Operating leases</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">2.9</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">%</td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Finance leases</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">8.1</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">%</td></tr></tbody></table><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Supplemental cash flow information was as follows for the three months ended September 30, 2024 and 2023:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Three Months Ended September 30, </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">2024</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">2023</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Cash paid for amounts included in the measurement of lease liabilities:</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Operating cash used for operating leases</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">294,274</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">180,077</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Operating cash used for finance leases</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">14,062</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">7,536</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Financing cash used for finance leases</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">40,058</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">27,062</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr></tbody></table><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Future maturities of lease liabilities were as follows as of September 30, 2024:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td style="vertical-align:bottom;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Fiscal year ending:</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Finance </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Leases</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Operating </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Leases</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2025 (remaining nine months)</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">173,412</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">855,856</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> June 30, 2026 </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">208,902</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,137,370</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2027 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">182,253</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,144,603</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> June 30, 2028 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">163,712</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,163,019</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2029 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">57,642</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,193,260</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Thereafter </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;"></td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">5,579,041</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Total future minimum payments </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">785,921</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">11,073,149</td><td style="width:1%;white-space:

nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Less imputed interest </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(111,159</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(2,207,656</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Present value of lease liabilities </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">674,762</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">8,865,493</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> The lease on the premises comprising our primary facility in Orlando, Florida (the "Orlando Facility") was amended in April 2021, and again in September 2021, to expand the space from approximately 26,000 square feet to approximately 58,500 square feet. The lease term was extended from April 30, 2022, to that certain date that is one hundred twenty-seven (127) months after the date the landlord completes certain work to be done at the leased premises. The landlord's work was completed in August 2023, and accordingly the lease expires on March 31, 2034. Effective in January 2022, the terms of our leases in Zhenjiang, China and Riga, Latvia were extended to December 31, 2024 and 2030, respectively. It is our intention to renew the lease on the reduced space in Zhenjiang for at least a one-year term P12M 2400000 3700000 <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Three Months Ended September 30, </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2023 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating lease cost </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">268,495</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">205,023</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance lease cost: </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Depreciation of lease assets </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">37,816</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">19,915</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Interest on lease liabilities </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">14,062</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">7,536</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Total finance lease cost </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">51,878</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">27,451</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Total lease cost </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">320,373</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">232,474</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> 268495 205023 37816 19915 14062 7536 51878 27451 320373 232474 <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" style="BORDER-BOTTOM: #000000 1px solid;vertical-align:bottom;text-align:center;"> Classification </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;vertical-align:bottom;text-align:center;"> September 30, 2024 </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: #000000 1px solid;vertical-align:bottom;text-align:center;"> June 30, 2024 </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td style="vertical-align:top;">Assets:</td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" colspan="2"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" colspan="2"> </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating lease assets </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:40%;">Operating lease assets</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">6,514,321</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">6,741,549</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance lease assets </td><td style="white-space: nowrap;"> </td><td>Property and equipment, net⁽¹⁾</td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">935,262</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">1,063,768</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;">Total lease assets</td><td style="white-space: nowrap;"> </td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">7,449,583</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">7,805,317</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;">Liabilities:</td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Current: </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating leases </td><td style="white-space: nowrap;"> </td><td>Operating lease liabilities, current</td><td style="white-space: nowrap;"> </td><td style="vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="vertical-align:bottom;text-align:right;">1,028,981</td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="vertical-align:bottom;text-align:right;">1,059,998</td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance leases </td><td style="white-space: nowrap;"> </td><td>Finance lease liabilities, current</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">183,656</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">177,148</td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> 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style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating leases </td><td style="white-space: nowrap;"> </td><td>Operating lease liabilities, less current portion</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">7,836,512</td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="ffcell" style="vertical-align:bottom;text-align:right;">8,058,502</td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance leases </td><td style="white-space: nowrap;"> </td><td>Finance lease liabilities, less current portion</td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">491,106</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 1px solid;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: black 1px solid;vertical-align:bottom;text-align:right;">528,753</td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;">Total lease liabilities</td><td style="white-space: nowrap;"> </td><td class="ffcell"> </td><td style="white-space: nowrap;"> </td><td style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">9,540,255</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: black 3px double;vertical-align:bottom;text-align:right;">9,824,401</td><td style="PADDING-BOTTOM: 3px;white-space: nowrap;"> </td></tr></tbody></table> 6514321 6741549 935262 1063768 7449583 7805317 1028981 1059998 183656 177148 7836512 8058502 491106 528753 9540255 9824401 147000 109000 <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td style="BORDER-BOTTOM: 1px solid;vertical-align:bottom;"> Lease Term and Discount Rate </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> September 30, 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px"><td style="vertical-align:top;"> Weighted Average Remaining Lease Term (in years) </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating leases </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">9.1</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance leases </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3.8</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Weighted Average Discount Rate </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating leases </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">2.9</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">%</td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Finance leases </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">8.1</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">%</td></tr></tbody></table> P9Y1M6D P3Y9M18D 0.029 0.081 <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Three Months Ended September 30, </td><td style="white-space: nowrap;"> </td></tr><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2024 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> 2023 </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px"><td style="vertical-align:top;"> Cash paid for amounts included in the measurement of lease liabilities: </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Operating cash used for operating leases </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">294,274</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">180,077</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Operating cash used for finance leases </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">14,062</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">7,536</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Financing cash used for finance leases </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">40,058</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">27,062</td><td style="width:1%;white-space: nowrap;"> </td></tr></tbody></table> 294274 180077 14062 7536 40058 27062 <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td style="vertical-align:bottom;"> Fiscal year ending: </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Finance Leases </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Operating Leases </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2025 (remaining nine months) </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">173,412</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">855,856</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> June 30, 2026 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">208,902</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,137,370</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2027 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">182,253</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,144,603</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> June 30, 2028 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">163,712</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,163,019</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2029 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">57,642</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,193,260</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Thereafter </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;"></td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">5,579,041</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Total future minimum payments </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">785,921</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">11,073,149</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> Less imputed interest </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(111,159</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">(2,207,656</td><td style="PADDING-BOTTOM: 1px;width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> Present value of lease liabilities </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">674,762</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 3px double;width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">8,865,493</td></tr><tr style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> 173412 855856 208902 1137370 182253 1144603 163712 1163019 57642 1193260 0 5579041 785921 11073149 111159 2207656 674762 8865493 <p style="font-size:10pt;font-family:times new

roman;margin:0px">12. Loans Payable As of September 30, 2024, loans payable consisted of two equipment loans and a bridge promissory note (as described below). Bridge Promissory Note On August 6, 2024, we entered into a bridge promissory note (the "Bridge Note") with Lytton-Kambara Foundation (the "Lender") pursuant to which the Lender extended a loan to the Company in the principal amount of $3,000,000 (the "Loan"). The Loan is subject to an original issue discount of 7%. After deducting the original issue discount, fees paid to our placement agent, and certain expenses, the Company received net proceeds of $2,700,000. The Bridge Note is unsecured, bears interest at the rate of 12.5% per annum and has a 1-year term, maturing on August 6, 2025 (the "Maturity Date"), at which time the entire principal amount of the Bridge Note and all accrued but unpaid interest is due and payable in full. We may prepay the principal outstanding under the Bridge Note at any time prior to the Maturity Date at 105% of the prepaid principal amount plus any unpaid accrued interest. Upon the consummation of a transaction resulting in a Change of Control (as defined in the Bridge Note) we are required to repay the holder of the Bridge Note in cash an amount equal to 105% of the outstanding principal balance of the Bridge Note plus unpaid accrued interest on the original principal. The Bridge Note contains customary representations, warranties and covenants for agreements of this type and provides for customary events of default, including among other things, failure to make payments when due, breaches of representations and warranties, and certain bankruptcy and insolvency events. Upon an event of default, the Bridge Note's interest rate shall increase to 18% per annum and the Bridge Note holder may, at its option, accelerate the Bridge Note whereupon the entire principal amount thereof and all accrued but unpaid interest shall be due and payable in full. Equipment Loans In December 2020, ISP Latvia entered into an equipment loan with a third party (the "2020 Equipment Loan"), which party is also a significant customer, and which the 2020 Equipment Loan was subordinate to the BankUnited Loans (as defined below), and collateralized by certain equipment. The initial advance under the 2020 Equipment Loan was 225,000 EUR (or USD $275,000), payable in equal installments over 60 months, the proceeds of which were used to make a prepayment to a vendor for equipment to be delivered at a future date. An additional 225,000 EUR (or USD $267,000) was drawn in September 2021, which proceeds were paid to the vendor for the equipment, payable in equal installments over 52 months. The 2020 Equipment Loan bears interest at a fixed rate of 3.3%. In May 2023, ISP Latvia entered into an equipment loan with a third party financial institution (the "2023 Equipment Loan"). The 2023 Equipment Loan is collateralized by certain equipment. The initial advance under the 2023 Equipment Loan was 128,815 EUR (or USD $141,245), the proceeds of which were used to make a prepayment to a vendor for equipment to be delivered at a future date. The final advance for the final payment to the equipment vendor was 132,674 EUR (or USD $141,815). The 2023 Equipment Loan is payable over 48 months, with monthly installments that began on January 1, 2024. The 2023 Equipment Loan bears interest at the six-month EURIBOR rate, plus 2.84% (5.94% as of September 30, 2024).</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Future maturities of loans payable are as follows:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Promissory </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Note</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Unamortized Loan Issuance Costs</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Equipment </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Loans</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Total</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Fiscal year ending:</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" colspan="2" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2025 (remaining nine months)</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">-</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(225,000</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">164,368</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(60,632</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2026</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,000,000</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(29,167</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">155,410</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,126,243</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">June 30, 2027</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">-</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" 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2028</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">-</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">-</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new 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style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,000,000</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(254,167</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">502,903</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,248,736</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Less current portion</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times 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style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px">Non-current portion</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td 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Upon the consummation of a transaction resulting in a Change of Control (as defined in the Bridge Note) we are required to repay the holder of the Bridge Note in cash an amount equal to 105% of the outstanding principal balance of the Bridge Note plus unpaid accrued interest on the original principal 0.18 275000 P60M 267000 P52M 0.033 141245 141815 P48M 0.0594 <table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;width:100%"><tbody><tr style="height:15px"><td> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Promissory Note </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Unamortized Loan Issuance Costs </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Equipment Loans </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td><td style="white-space: nowrap;"> </td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"> Total </td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"> </td></tr><tr style="height:15px"><td style="vertical-align:top;"> Fiscal year ending: </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space:

nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" colspan="2" style="width:9%;"> </td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2025 (remaining nine months) </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">-</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(225,000</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">164,368</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(60,632</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> June 30, 2026 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,000,000</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(29,167</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">155,410</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,126,243</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#cceeff"><td style="vertical-align:top;"> June 30, 2027 </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">-</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">-</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">109,875</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">109,875</td><td style="width:1%;white-space: nowrap;"> </td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"> June 30, 2028 </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">-</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">-</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">73,250</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> </td><td style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 1px solid;width:1%;white-space: nowrap;"> </td><td class="ffcell" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:right;">73,250</td><td style="PADDING-BOTTOM: 1px;width:1%;white-space: nowrap;"> Total payments </td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">3,000,000</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">(254,167</td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">)</td><td style="width:1%;white-space: nowrap;"> </td><td style="width:1%;vertical-align:bottom;white-space: nowrap;">$</td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">502,903</td><td style="width:1%;white-space: nowrap;"><p 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style="width:1%;white-space: nowrap;"> </td><td style="BORDER-BOTTOM: 3px double;width:9%;vertical-align:bottom;text-align:right;">284,881</td><td style="PADDING-BOTTOM: 3px;width:1%;white-space: nowrap;"> </td></tr></tbody></table> 0 225000 -164368 60632 -3000000 29167 -155410 -3126243 0 0 109875 109875 0 0 73250 73250 -3000000 254167 -502903 -3248736 2963855 284881 13. Foreign Operations Assets and liabilities denominated in non-U.S. currencies are translated at rates of exchange prevailing on the balance sheet date, and revenues and expenses are translated at average rates of exchange for the period. Gains or losses on the translation of the financial statements of a non-U.S. operation, where the functional currency is other than the U.S. dollar, are reflected as a separate component of equity, which was a cumulative gain of approximately $782,000 and $510,000 as of September 30, 2024 and June 30, 2024, respectively. We also recognized net foreign currency transaction losses of $36,000 and gains of $25,000 during the three months ended September 30, 2024 and 2023, respectively, included in the unaudited Condensed Consolidated Statements of Comprehensive Income (Loss) in the line item entitled “Other income (expense), net.” Our cash, cash equivalents and restricted cash totaled approximately $4.3 million at September 30, 2024. Of this amount, less than 50% was held by our foreign subsidiaries in China and Latvia. These foreign funds were generated in China and Latvia as a result of foreign earnings. With respect to the funds generated by our foreign subsidiaries in China, the retained earnings of the respective subsidiary must equal at least 50% of its registered capital before any funds can be repatriated through dividends. As of September 30, 2024, LPOIZ had approximately $1.6 million in retained earnings available for repatriation, based on earnings accumulated through December 31, 2023, the end of the most recent statutory tax year, that remained undistributed as of September 30, 2024.</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;">Revenues from foreign countries for the three months ended September 30, 2024 and 2023 are as follows:</p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:justify;"> </p><table cellpadding="0" style="border-spacing:0;text-align:left;font:10pt times new roman;margin-left:auto;margin-right:auto;width:85%"><tbody><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="6" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">Three Months Ended </p><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">September 30,</p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td></tr><tr style="height:15px"><td><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="hdcell" colspan="2" style="BORDER-BOTTOM: 1px solid;width:9%;vertical-align:bottom;text-align:center;"><p style="FONT-SIZE: 10pt; FONT-FAMILY: times new roman; MARGIN: 0px; text-align:center;">2024</p></td><td style="PADDING-BOTTOM: 1px;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="white-space: nowrap;"><p 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roman;margin:0px"> </p></td></tr><tr style="height:15px;background-color:#ffffff"><td style="vertical-align:top;"><p style="font-size:10pt;font-family:times new roman;margin:0px 0px 0px 15px">Europe</p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">1,281,260</td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td style="width:1%;white-space: nowrap;"><p style="font-size:10pt;font-family:times new roman;margin:0px"> </p></td><td class="ffcell" style="width:9%;vertical-align:bottom;text-align:right;">2,523,545</td><td 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Contingencies Legal The Company, from time to time, is involved in various legal actions arising in the normal course of business. Management, after reviewing with legal counsel all of these actions and proceedings, believes that the aggregate losses, if any, will not have a material adverse effect on the Company’s financial position or results of operations. In April 2021, we terminated several employees of our China subsidiaries, LPOIZ and LPOI, including the General Manager, the Sales Manager, and the Engineering Manager, after determining that they had engaged in malfeasance and conduct adverse to our interests, including efforts to misappropriate certain of our proprietary technology, diverting sales to entities owned or controlled by these former employees and other suspected acts of fraud, theft and embezzlement. In connection with such terminations, our China subsidiaries have engaged in certain legal proceedings with the terminated employees. We incurred various expenses associated with the investigation into these matters prior and subsequent to the termination of the employees and the associated legal proceedings. In December 2023, we recovered approximately $190,000 in funds that had been recovered by the Chinese authorities. We expect to incur minimal additional legal fees and consulting expenses in future periods as we have exhausted nearly all of our legal options and remedies. Potential Impact of Economic Conditions in China Due to our operations in China, our business, results of operations, financial condition and prospects may be influenced to a significant degree by economic, political, legal and social conditions in China. China’s economy differs from the economies of other countries in many respects, including with respect to the level of development, growth rate, amount of government involvement, control of foreign exchange and allocation of resources. While China’s economy has experienced significant growth over the past several decades, its growth rate has declined in recent years and may continue to decline. Deteriorating economic conditions in China generally have led to lower demand for our products in China and thus lower revenues and net income for our subsidiaries in China and the Company overall. A continuation of China’s current economic conditions or a further slowdown in the economic growth, an economic downturn, a recession, or

other adverse economic conditions in China is likely to have a material adverse effect on our business and results of operations in future quarters. Impact of Recent Wars In February 2022, Russian military forces invaded Ukraine. This war has led to sanctions on Russia, which have had some impacts, though temporary, on our supply chain of raw materials. Separately, Israel declared war on Hamas in October 2023. Initially, this resulted in a temporary increase in our sales, as Israel worked to replace electro-optical systems that in some cases use our materials. However, it is possible that this war will also have a negative impact on our business at some point as a result of the economic impact in Israel. In addition to the significant defense related market in Israel, we also serve many commercial related applications and work with commercial companies in Israel, and the business of those customers may be negatively impacted by the war over time. Given the dynamic nature of this situation, we cannot reasonably estimate the impact of either the Russian-Ukraine conflict or the Israel-Hamas war on our financial condition, results of operations or cash flows into the foreseeable future. 190000 15. Liquidity We generally rely on cash from operations and equity and debt offerings, to the extent available, to satisfy our liquidity needs and to maintain our ability to repay our debt. On February 16, 2022, we filed a shelf registration statement to facilitate the issuance of our Class A common stock, warrants exercisable for shares of our Class A common stock, and/or units up to an aggregate offering price of $75.8 million from time to time. In connection with the filing of the shelf registration statement, we also included a prospectus supplement relating to an at-the-market equity program under which we may issue and sell shares of our Class A common stock up to an aggregate offering price of $25.2 million from time to time, decreasing the aggregate offering price available under the shelf registration statement to $50.6 million. The shelf registration statement was declared effective by the SEC on March 1, 2022. As of June 30, 2024, we issued 585,483 shares of our Class A common stock pursuant to the at-the-market equity program. On January 12, 2023, the Company entered into a securities purchase agreement ("Purchase Agreement"), pursuant to which the Company agreed to issue and sell in a public offering under the shelf registration statement an aggregate of 9,090,910 shares of the Company's Class A common stock, par value $0.01 per share for a purchase price of $1.10 per share and filed a prospectus supplement with the SEC related thereto. The sale of shares pursuant to the Purchase Agreement closed on January 17, 2023, and resulted in net proceeds of approximately $9.2 million after payment of placement agent fees, and certain other costs and expenses of the offering. There are a number of factors that could result in the need to raise additional funds, including a decline in revenue or a lack of anticipated sales growth, increased material costs, increased labor costs, planned production efficiency improvements not being realized, increases in property, casualty, benefit and liability insurance premiums, and increases in other costs. In addition, we may identify opportunities for acquisitions and other strategic transactions to expand and further enhance our business that may require that we raise additional capital should we elect to pursue any of such transactions. 75800000 25200000 50600000 585483 9090910 0.01 1.10 The sale of shares pursuant to the Purchase Agreement closed on January 17, 2023, and resulted in net proceeds of approximately $9.2 million after payment of placement agent fees, and certain other costs and expenses of the offering "