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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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| 1. Name and Address of Reporting Person* <u>Phipps Jason</u> (Last) (First) (Middle) C/O CIENA CORPORATION 7035 RIDGE RD. (Street) HANOVER MD 21076-1426 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP [CIEN]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>SVP Global Sales and Marketing</u> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>12/20/2022</u> | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 12/20/2022 | | F | | 613 ⁽¹⁾ | D | \$49.27 | 118,041 ⁽²⁾ | D | |
| Common Stock | 12/20/2022 | | F | | 679 ⁽³⁾ | D | \$49.27 | 117,362 ⁽²⁾ | D | |
| Common Stock | 12/20/2022 | | F | | 2,994 ⁽⁴⁾ | D | \$49.27 | 114,368 ⁽²⁾ | D | |
| Common Stock | 12/20/2022 | | F | | 558 ⁽⁵⁾ | D | \$49.27 | 113,810 ⁽²⁾ | D | |
| Common Stock | 12/20/2022 | | F | | 2,679 ⁽⁶⁾ | D | \$49.27 | 111,131 ⁽²⁾ | D | |
| Common Stock | 12/20/2022 | | F | | 1,728 ⁽⁶⁾ | D | \$49.27 | 109,403 ⁽²⁾ | D | |
| Common Stock | 12/20/2022 | | F | | 493 ⁽⁷⁾ | D | \$49.27 | 108,910 ⁽²⁾ | D | |
| Common Stock | 12/20/2022 | | F | | 2,361 ⁽⁸⁾ | D | \$49.27 | 106,549 ⁽²⁾ | D | |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|--|--|-----------------|---|--|--|---|--|
| | | | | | | Date Exercisable | Expiration Date | | | | | |

Explanation of Responses:

- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/18/2018. Acquisition of the RSU was previously reported in Table I of the reporting person's Form 4 on 12/20/2018.
- Shares reported include unvested Restricted Stock Units (RSUs) and Performance Stock Units (PSUs).
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/17/2019. Acquisition of the RSU was previously reported in Table I of the reporting person's Form 4 on 12/19/2019.
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a market stock unit (MSU) award agreement dated 12/17/2019. The earning of the MSU was previously reported on Table I of the reporting person's Form 4 on 12/15/2022.
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/16/2020. Acquisition of the RSU was previously reported in Table I of the reporting person's Form 4 on 12/18/2020.
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a performance stock unit (PSU) award agreement dated 12/16/2020. The earning of the PSU was previously reported on Table I of the reporting person's Form 4 on 12/16/2021.
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/14/2021. Acquisition of the RSU was previously reported in Table I of the reporting person's Form 4 on 12/16/2021.
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a performance stock unit (PSU) award agreement dated 12/14/2021. The earning of the PSU was previously reported on Table I of the reporting person's Form 4 on 12/15/2022.

By: Michelle Rankin For: Jason Phipps 12/22/2022

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.