

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

1. Name and Address of Reporting Person* <u>McFeely Scott</u>  (Last) (First) (Middle) <u>C/O CIENA CORPORATION</u> <u>7035 RIDGE RD.</u>  (Street) <u>HANOVER MD 21076-1426</u>  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>02/27/2017</u>	3. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP [ CIEN ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)	5. 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 Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>47,904<sup>(1)</sup></u>	<u>D</u>	

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

**Explanation of Responses:**

1. (1) Includes (i) 2,520 Restricted Stock Units (RSUs) that vest in four equal installments on each of March 20, June 20, September 20, and December 20 of 2017, (ii) 7,184 RSUs that vest in eight equal installments on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2017, (iii) 8,986 RSUs that vest in eleven equal installments on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2017, (iv) 6,582 RSUs that vest in twelve equal installments on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2017, (v) 10,790 RSUs that vest in sixteen equal installments on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2017, and (vi) 6,527 Performance Stock Units (PSUs) that vest in two equal installments on December 20, 2017 and 2018.

By: Erik Lichter For: Scott McFeely 03/01/2017

\*\* 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 5 (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.

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