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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APF	ROVAL					
OMB Number:	3235-0287					
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hours per response: 0.5	Estimated average burden	
	hours per response:	0.5

1. Name and Address of Reporting Person [*] ALEXANDER STEPHEN B			2. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP</u> [CIEN]		tionship of Reporting Per all applicable) Director	10% Owner
(Last) C/O CIENA CC 7035 RIDGE RI		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/17/2014		Officer (give title below) Sr VP Chief Techno	Other (specify below) logy Officer
(Street) HANOVER (City)	MD (State)	21076-1426 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filing Form filed by One Rep Form filed by More that Person	orting 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. Transa Code (8)					5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(1150. 4)
Common Stock	12/17/2014		A		26,930(1)	A	\$0.0	172,881(2)	D	
Common Stock	12/17/2014		A		16,895(3)	Α	\$0.0	189,776 ⁽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)				Transaction Code (Instr. 8) Securities Acquired (A) or Disposed of (D) (Instr. 3, 4		f Expiration Date (Month/Day/Year) iccurited A) or bisposed f (D) nstr. 3, 4		of Expiration Date Derivative (Month/Day/Year Securities Acquired (A) or Disposed of (D) (Instr. 3, 4				Expiration Date		Expiration Date		Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		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)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares														

Explanation of Responses:

1. Reflects Restricted Stock Units (RSUs) that vest over four years, with one-sixteenth of the grant amount vesting on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2015

2. Shares reported include unvested Restricted Stock Units (RSUs).

3. Reflects the number of stock units earned pursuant to the terms of a performance stock unit award granted on 12/17/2013 reflecting the achievement of the related performance conditions. These shares vest in equal 1/3 amounts on each December 20, 2014, 2015, and 2016.

By: Erik Lic	hter For: Stephen	10/10/2014
D 11 1		12/18/2014

B. Alexander

** 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.