FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

1. Name and Address of Reporting Person* <u>ALEXANDER STEPHEN B</u>						2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]									Check	all app	p of Reportin blicable) ctor er (give title		10% O	
(Last) (First) (Middle) C/O CIENA CORPORATION 7035 RIDGE RD.					3. Date of Earliest Transaction (Month/Day/Year) 04/15/2014										X	belov	elow) r VP Chief Techr		below)	
(Street) HANOVER MD 21076-14			26	4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(St		Zip)																	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)						r) E	A. Deem Execution f any Month/Da	Date,			Disposed	ties Acquired (A) I Of (D) (Instr. 3, 4			and Secur Bene Owne		cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
										v	Amount		(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(111511.4)
Common Stock 04/15/2					.5/2014						3,500(1	1)	D	\$19.43		180,214(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. Deeme Execution if any (Month/Da	Date, Transaction Code (Instr.			n of		6. Date Exercisab Expiration Date (Month/Day/Year)		е	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)					derivative Securities	Owner Form Director Inc (I) (In:	nership m: ect (D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)		Date Exercisa		Expiration Date	Title	of	nber						

Explanation of Responses:

- 1. Sales were effected pursuant to Rule 10b5-1 trading plan dated 6/14/2012, as amended.
- 2. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Stephen B. Alexander

04/17/2014

** 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.