FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

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

HANGES IN BENEFICIAL OWNERSHIP

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

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]									heck all	tionship of Reportinç all applicable) Director Officer (give title		Person(s) to Issuer 10% Owner Other (specify		
	(Fi NA CORPO NTERSON	ORATION	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 03/21/2012										elow) below) r VP Chief Technology Officer				
(Street) LINTHIC			21090 Zip)			Amer 23/20		Date (of Original Filed (Month/Day/Year)						ne) <mark>X</mark> I	dual or Joint/Group Filing (Check Applicable 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. Transact Date (Month/Day					Execution Date,						es Acquired (A) or Of (D) (Instr. 3, 4 a			5) S B O	Amount of ecurities eneficially wned Follo eported	, F	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		rice	Ti	Transaction(s) (Instr. 3 and 4)			(111311.4)					
Common	Stock			03/21/	2012				S		1,296(1)	I) (\$15.6	62	62 218,520 D				
Common	Stock			03/21/	2012				S		1,099(2)	I	\$	15.66	5.6619 217,421 ⁽³⁾ D					
		Та	ble II								osed of, convertib				/ Own	ed				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year) i	Executi if any			ction Instr.	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expirat (Month	tion D	/ear)	7. Title and Amount of Securities Underlying Derivative Security (Instrand 4)		ount	8. Price Derivat Securit (Instr. 5	y Secu Bene Own Follo Repo	owing orted saction(s)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	of Sha	es							

Explanation of Responses:

- 1. Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related to a restricted stock unit (RSU) award agreement dated 12/16/2009. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/18/2009.
- 2. Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related to a restricted stock unit (RSU) award agreement dated 12/14/2010. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2010.
- 3. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Stephen B. Alexander

04/16/2012

Date

** Signature of Reporting Person

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.