FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APF	OMB APPROVAL						
FICIAL OWNEDCIND	OMB Number:	3235-0287						

Estimated average burden

0.5

hours per response:

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	blicable) ctor		Owner
(Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD						3. Date of Earliest Transaction (Month/Day/Year) 02/15/2011									X	belov	,	belo chnology Of	,
(Street) LINTHIC	CUM, I	4D	21090 (Zip)		_ 4. If	f Ame	endment	, Date o	f Original	Filed	i (Month/Da	ay/Ye	ar)		. Indivi	Form	n filed by One n filed by Mor	o Filing (Check e Reporting Pe re than One Re	rson
		Tab	le I - No	n-Deriv	vative	Se	curitie	s Acc	quired,	Dis	posed o	f, o	r Ben	efici	ally C	Owne	ed		
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)					Execution Date ay/Year) if any		xecution Date,				ties Acquired (A) I Of (D) (Instr. 3, 4			4 and Sed Bed Ow		ount of ities icially d Following	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	Repo Trans (Instr		action(s) 3 and 4)		(IIISti. 4)
Common Stock 02/15				5/2011	/2011					3,500		D	\$27	7.92 28		9,668(2)	D		
		T									sed of, onvertib				y Ow	ned			
1. Title of Derivative Security (Instr. 3)	2. Conversio or Exercise Price of Derivative Security	Date Ex (Month/Day/Year) if a	Execution if any	A. Deemed xecution Date, any Month/Day/Year)		Transaction Code (Instr.		of I		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)			8. Prio Derivo Secui (Instr.	vative (rity S	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(: (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	or Nui of	nber					

## **Explanation of Responses:**

- 1. Sales were effected pursuant to Rule 10b5-1 trading plan dated December 28, 2009.
- 2. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Stephen

02/16/2011

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.