FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

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]								Check	ionship of Reportinç all applicable) Director Officer (give title		10%	ssuer Owner (specify	
	st) (First) (Middle) O CIENA CORPORATION 01 WINTERSON ROAD				3. Date of Earliest Transaction (Month/Day/Year) 11/16/2009								X	below) Sr VP Chief Tec		below)		
(Street) LINTHIC	CUM, M	D 2	21090 Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tabl	e I - N	Non-Deriv	ative/	Seci	uritie	s Ac	quire	ed, Di	isposed o	f, or E	Benefici	ially (Owne	ed			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye						Execution Date		·	3. Transaction Code (Instr. 8) 4. Securities Disposed Of					d 5) Secu Bene		ficially ed 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		Trans	action(s) 3 and 4)		, ,	
Common Stock 11/16/200				009	09			S ⁽¹⁾		5,000	D	D \$12.4598 ⁽²⁾		308,748(3)		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)	if any	eemed tion Date, h/Day/Year)	4. Transa Code (8)		5. Numof Derive Securion Acquired (A) or Disposof (D) (Instrand 5	ative rities ired osed	Expir (Mon	te Exer ration D th/Day/	Year) Expiration	7. Title Amour Securi Underl Deriva Securi and 4)	nt of ties ying			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)	

Explanation of Responses:

- 1. Sales were effected pursuant to Rule 10b5-1 trading plan dated 12/20/06, as amended.
- 2. Reflects the weighted average sales price with transactions in a range of sales prices from \$12.43 to \$12.50. Upon request by the SEC, full information regarding the number of shares sold at each separate sales price will be provided.
- 3. Shares reported include unvested Restricted Stock Units (RSUs).

By: Frances M. Jackson For: Stephen B. Alexander

11/17/2009

** 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.