FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

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

STATEMENT OF CHANGES 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* Rothenstein David M (Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD (Street) LINTHICUM, MD 21090						2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN] 3. Date of Earliest Transaction (Month/Day/Year) 12/22/2008 4. If Amendment, Date of Original Filed (Month/Day/Year)										5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) below) Sr. VP, General Counsel 5. Individual or Joint/Group Filing (Check Applical Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(3		Zip)					- 4		D:-			D	. 6: . :						
1. Title of Security (Instr. 3) 2. Transa Date (Month/D					action	tion 2A. Deemed Execution Date		ed Date,	3. Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 Amount (A) or Prid		(A) or	5. Amount of Securities Beneficially Owned Follon Reported Transaction(s		ount of ties cially d Following ted action(s)	Form:	Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock 12/22						2008					222(1)	 		\$6.50	(Instr. 3 and 4) 029 114,938]	D		
Common	Stock			12/22	/2008				S		165(2)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
Common Stock 12/22/3						/2008			S		213 ⁽³⁾	L3 ⁽³⁾ D \$6		\$6.50	5029 11		14,560(4)		D	
		Та									osed of, onvertib				y Ow	ned		,		
1. Title of Derivative Security (Instr. 3)	rivative Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Execution Date, if any (Month/Day/Year) Month/Day/Year)		4. Transa Code (8)		Str. Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date Date Expiration Exercisable Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amoun or Numbe of Title Shares		ount nber	t r		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ow For Dir or I (I) (nership	11. Nature of Indirect Beneficial Ownership (Instr. 4)		

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 12/18/2006. RSU was previously reported in Table I of reporting person's Form 3 on 11/4/08.
- 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 12/18/2007. RSU was previously reported in Table I of reporting person's Form 3 on 11/4/08.
- 3. 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 10/28/2008. RSU was previously reported in Table I of reporting person's Form 3 on 11/4/08.
- 4. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: David M. 12/23/2008 **Rothenstein**

** 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.