FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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Estimated average	burdon									

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	hours per response:	0.5
	Estimated average burden	

1. Name and Address of Reporting Person [*] Rothenstein David M			2. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP</u> [CIEN]	(Check	tionship of Reporting Pe all applicable) Director Officer (give title	rson(s) to Issuer 10% Owner Other (specify
	Last) (First) (Middle) C/O CIENA CORPORATION 201 WINTERSON ROAD		3. Date of Earliest Transaction (Month/Day/Year) 06/21/2011	Х	below) Sr. VP, General	below)
(Street) LINTHICUM, (City)	MD (State)	21090 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filir Form filed by One Rep Form filed by More tha Person	porting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Table 1 Non Derivative dedatates Adquired, Disposed of, or Derenolarly Office												
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr.					5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
		Code V Ar		Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)			
Common Stock	06/21/2011		S		665(1)	D	\$16.7204	176,459	D			
Common Stock	06/21/2011		S		822 ⁽²⁾	D	\$16.7202	175,637	D			
Common Stock	06/21/2011		S		168(3)	D	\$16.7205	175,469	D			
Common Stock	06/21/2011		S		217(4)	D	\$16.7204	175,252	D			
Common Stock	06/21/2011		S		2,588 ⁽⁵⁾	D	\$16.7206	172,664	D			
Common Stock	06/21/2011		S		1,035 ⁽⁶⁾	D	\$16.7205	171,629 ⁽⁷⁾	D			

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)		4. Transa Code (of Derivative		Expiration Date (Month/Day/Year)			and nt of ties	8. Price of Derivative Security (Instr. 5)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial
(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	8)		Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)				Underlying Derivative Security (Instr. 3 and 4)				Ownership (Instr. 4)
				Code	v			Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

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 7/28/2010. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 08/18/2010.

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 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. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/20/2007.

4. 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.

5. 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 12/16/2008. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/18/2008.

6. 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.

7. Shares reported include unvested Restricted Stock Units (RSUs).



<u>Rothenstein</u>

** 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.