FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB API	PROVAL
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## 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

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Name and Address of Reporting Person*     Rothenstein David M					2. Issuer Name <b>and</b> Ticker or Trading Symbol CIENA CORP [ CIEN ]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner						
Konicistem David W																			-	
,					$\vdash$									$\dashv$	X	belov	er (give title		Otner below)	(specify
(Last)		First)	(Middle)			3. Date of Earliest Transaction (Month/Day/Year)											,	noral C	,	
C/O CIENA CORPORATION					12/	12/16/2009									Sr. VP, General Counsel					
1201 WINTERSON ROAD																				
1201 WINTERSON ROAD				4 16	4. If Amendment, Date of Original Filed (Month/Day/Year)								-	6 Individual or Joint/Croup Filing (Charly Applicable						
					-   4. "	4. II Amenument, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)															X	Forn	n filed by On	e Report	tina Pers	on
LINTHIC	CUM,	MD	21090														n filed by Mo	•	J	
					-											Pers		ie iliali (	опе кер	orang
(City)		State)	(Zip)																	
(1.9)			( 1-7																	
		Tab	le I - No	n-Deriv	/ative	Se	ecuriti	es Ac	quire	d, Di	sposed (	of, o	r Ben	efici	ally	Owne	ed			
1. Title of S	Security (II	str. 3)		2. Trans	action					3. 4. Securities Acquired (A)								6. Ownership		7. Nature
				Date (Month/I	Day/Yea		Execution if any	Execution Date,						3, 4 a			ities icially		Form: Direct D) or Indirect	of Indirect Beneficial
(MONING								Month/Day/Year)				"				Owned Following (I			(I) (Instr. 4)	Ownership
										٦.,	Ī	(A) or		1		Reported Transaction(s)				(Instr. 4)
										e V	Amount	(D)		Pric	е	(Instr. 3 and 4)				
Common Stock 12/16				6/2009						48,000	O <sup>(1)</sup> A		\$	0	152,473 <sup>(2)</sup>		I	D		
			abla II	Darivet	.ia. C			Λ	اممان	Dian		I	Donof	المنما				•		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																			
1. Title of	2.	3. Transaction	3A. Deem		4		_		-		isable and	_			0.0	ina af	9. Number o	of 10.		11. Nature
Derivative	2.   Conversio		Execution		Transactio			on of E tr. Derivative (		tion D			7. Title and Amount of Securities		8. Price of Derivative Security (Instr. 5)		derivative		Ownership Form:	of Indirect
Security	or Exercis	e (Month/Day/Year)	if any	/V		Code (Instr.				n/Day/\	'ear)						Securities			Beneficial
(Instr. 3) Price of (Month/D				ay/Year)	8)	8)		Securities Acquired		Underlying Derivative				(insi	r. 5)	Beneficially Owned	Direct (D) or Indirect	Ownership (Instr. 4)		
	Security					(A)			(A) or Securi			curity (Ir	str. 3			Following		Instr. 4)	,,	
							Disposed of (D)			and			and 4)				Reported Transaction	ı(s)		
								(Instr. 3, 4									(Instr. 4)	,		
							and 5)													
											1		ount							
							1	or Numbe												
					_,	Date .		Expiration		of										
l					Code	l۷	(A)	(D)	Exerci	sable	Date	Titl	ie  Sh	ares						

## **Explanation of Responses:**

1. Reflects Restricted Stock Units (RSUs) that vest over four years, with one-sixteenth of the grant amount vesting on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2010.

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

By: Erik J. Lichter For: David M. Rothenstein

12/17/2009

\*\* Signature of Reporting Person

rson 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.