FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPRO	VAL							
	OMB Number:	3235-0287							
l	Estimated average burden								
l	hours per response:	0.5							

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

City   Street   Str						_														
(Last) (First) (Middle) (CO CIENA CORPORATION 1201 WINTERSON ROAD  Street) LINTHICUM, MD 21090  Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned L. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Year) (Month/Day/Year)  (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Ye				, · · · · · · · · · · · · · · · · · · ·																
(City) (State) (State) (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned  Little of Security (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 3)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership Derivative (Instr. 5)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ownership Derivative Securities Se	ALEX!	1	CILITI COIL [ CILIT ]									Direc	ctor	10%	Owner					
COCIENA CORPORATION 1201 WINTERSON ROAD  4. If Amendment, Date of Original Filed (Month/Day/Year)  (City) (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned  1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Year) (Month/Day/Year)  (Month/Day/Year) (Month/Day/Year)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 3 and 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 3 and 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 5)  Table II - Derivative Securities Securities Acquired, Disposed of, or Beneficially Owned (Instr. 6)  Table II - Derivative Securities Securities Acquired, Disposed of, or Beneficially Owned (Instr. 6)  Table II - Derivative Securities Secur	(1 aat)		3 5	2. Data of Farliagt Transaction (Month/Day/Vear)								X								
Column   C	` ,	`											SI	R VP, Chief	f Tech. Office	er				
Street    LINTHICUM, MD   21090   Stre	C/O CIEI	"	01/10/2007									,								
Line   X   Form filed by One Reporting Person   Form filed by More than One Reporting Person   Form filed by More than One Reporting Person	1201 WINTERSON ROAD																			
Colivative   Col								4. If Amendment, Date of Original Filed (Month/Day/Year)												
Common Stock   Common Stock   Compensation Securities   Code (mstr. 3)   Compensation or Securities   Code (mstr. 3)   Compensation or Securities   Code (mstr. 3)   Code (mstr. 3)   Code (mstr. 3)   Compensation or Securities   Code (mstr. 3)   Code (mstr. 4)	-														X	Form filed by One Reporting Person				
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned  1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Year) (Month/	LINTHICUM, MD 21090														Form filed by More than One Reporting					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned  1. Title of Security (Instr. 3)    2. Transaction Date (Month/Day/Year)   24. Deemed Execution Date, if any (Month/Day/Year)   24. Deemed Execution Date, if any (Month/Day/Year)   24. Deemed Execution Date, if any (Month/Day/Year)   25. Amount of Disposed Of (D) (Instr. 3, 4 and 5)   3. Transaction (Disposed Of (D) (Instr. 3, 4 and 5)   5. Amount of Disposed Of (D) (Instr. 3, 4 and 5)   5. Amount of Disposed Of (D) (Instr. 3, 4 and 5)   5. Amount of Disposed Of (D) (Instr. 3, 4 and 5)   5. Amount of Disposed Of (D) (Instr. 3, 4 and 5)   5. Amount of Disposed Of (D) (Instr. 4)   7. Nature of Indirect Beneficially Owned Following Reported Transaction(S) (Instr. 4)   7. Title and Amount of Disposed Of (D) (Instr. 4)   7. Title and Expiration Date (Month/Day/Year)   7. Nature of Indirect Beneficially Owned Securities Or (Disposed Of (D) (Instr. 4)   7. Title and Expiration Date (Month/Day/Year)   7. Nature of Indirect Beneficially Owned Securities Or (Disposed Of (D) (Instr. 4)   7. Title and Amount of Securities Securities Securities Securities Securities Securities (Instr. 4)   7. Title and Amount of Securities Securities Securities Securities Deficially Owned Perivative Securities Deficially Owned Perivative Securities Securities Securities Securities Securities (Instr. 4)   7. Title and Amount of Securities Securities Securities Securities Securities Securities Deficially Ownership						-														
L. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Year)  2. Transaction Code (Instr. 4)  2. Transaction Date (I) (Instr. 3, 4 and 5)  3. Transaction Code (Instr. 3, 4 and 5)  3. Transaction Date (I) (Instr. 4)  3. Transaction Code (Instr. 3, 4 and 5)  3. Transaction Date (I) (Instr. 4)  4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)  3. Transaction Date (I) (Instr. 4)  4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)  4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)  4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)  5. Amount of Securities Deneticially Owned (I) (Instr. 4)  7. Title and Amount of Derivative Securities Acquired (A) or Disposed Of (D) (Instr. 4)  8. Price of Derivative Securities Amount of Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)  8. Price of Derivative Securities Amount of Securities Amount of Securities Amount of Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)  8. Price of Derivative Securities Amount of Securities	(City)	(:	State)	(Zip)																
Date (Month/Day/Year) if any (			Tab	le I - 1	Non-Deriv	/ative	Sec	uritie	s Ac	quire	ed, Di	sposed o	f, or E	Benefic	ially	Owne	ed			
Common Stock   O1/16/2007   S(1)   One   Common Stock   O1/16/2007   S(1)   One   Common Stock   O1/16/2007   S(1)   One   O	1. Title of S	ecurity (In:	str. 3)		2. Transacti	on	Execution Date,			3. 4. Securities Acquired (A)				d (A) or		5. Am	ount of	6. Ownership		
Common Stock    Ol/16/2007   Stock   Ol/16/2007   Ol/16/2007   Stock   Ol/16/2007   Ol/		,,,	,			(Vear)						Disposed Of	osed Of (D) (Instr. 3, 4 and							
Common Stock  O1/16/2007  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)  Conversion or Exercise Price of Derivative Security Security  Instr. 3)  Amount (A) or (D) Price Transaction(s) (Instr. 3 and 4)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)  3. Transaction Date (Month/Day/Year)  Conversion or Exercise Price of Derivative Securities Securities (A) or Disposed	(MONUNDAY) Y					, , , ,									Ow		d Following		Ownership	
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 Security Securities  2. Conversion Or Exercise Price of Derivative Security Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  3. Transaction Date (Month/Day/Year)  4. Derivative Securities Acquired (Populative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  4. Title of Derivative Securities Acquired (Month/Day/Year)  4. Price of Derivative Securities Acquired (Month/Day/Year)  5. Number of Derivative Securities (Month/Day/Year)  6. Date Exercisable and Expiration Date (Month/Day/Year)  7. Title and Amount of Securities Underlying Underlying Derivative Security (Instr. 5)  8. Price of Derivative Securities (Instr. 5)  9. Number of derivative Securities (Instr. 5)  Ownership (Instr. 4)  10. Ownership (Instr. 4)  11. Nature Or Disposed of (D) (Instr. 3, 4, and 5)  Amount or Disposed of (D) (Instr. 4)  12. Amount or Securities (Instr. 5)  Amount or Disposed of (D) (Instr. 4)  13. Transaction Date (Month/Day/Year)  14. Amount or Securities (Instr. 5)  Amount or Disposed of (D) (Instr. 4)  15. Nature Derivative Securities (Month/Day/Year)  16. Derivative Securities (Month/Day/Year)  17. Title and Amount of Securities (Month/Day/Year)  18. Price of Derivative Securities (Month/Day/Year)  19. Number of derivative Securities (Month/Day/Year)  19. Number of Month (Day/Year)  10. Ownership (Instr. 4)  11. Nature Derivative Securities (Month/Day/Year)  19. Number of Month (Day/Year)  10. Ownership (Instr. 4)										Code	v	Amount	(A) or	Price	Price		action(s)		(111501.4)	
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)  L. Title of Derivative Security (Instr. 3)  Conversion or Exercise Price of Derivative Security										<del>-  </del>		<u> </u>								
(e.g., puts, calls, warrants, options, convertible securities)  1. Title of Derivative Security (Instr. 3)  1. Title of Derivative Security Security  1. Title of Derivative Securities  2. Conversion of Exercise  3. Deemed Execution Date Exercisable and Expiration Date (Month/Day/Year)  3. Transaction  Code (Instr. 4)  4. Transaction  Code (Instr. 5)  3. Deemed Executive Securities  Conversion of Expiration Date (Month/Day/Year)  3. Deemed Expiration Date Exercisable and Expiration Date (Month/Day/Year)  3. Derivative Securities  3. Deemed Execution Date Expiration Date (Month/Day/Year)  3. Deemed Expiration Date Expiration Date Expiration Date (Month/Day/Year)  3. Deemed Expiration Date Expiration Date Expiration Date (Month/Day/Year)  3. Deemed Expiration Date Expiration Date Expiration Date Expiration Date Expiration Date (Month/Day/Year)  3. Deemed Expiration Date Expiration Date Expiration Date Expiration Date Expiration Date (Month/Day/Year)  3. Deemed Expiration Date Expir	Common	Stock	007	07					1,250	D	\$29.7	$004^{(2)}$	9	95,566	D					
(e.g., puts, calls, warrants, options, convertible securities)  1. Title of Derivative Security (Instr. 3)  1. Title of Derivative Security Securit			T:	able II	l - Derivat	ive S	ecuri	ities	Δcai	iired	Disn	nsed of	or Bei	neficia	lly Ov	vned				
Derivative Security (Instr. 3) Part (Month/Day/Year) Price of Derivative Security Se			.,	ADIC II												viica				
Security Instr. 3) Price of Derivative Security Security  Instr. 3) Price of Derivative Security  Instr. 3) Price of Derivative Security Security  Instr. 3) Price of Derivative Security Security  Instr. 3) Price of Derivative Security Security Security (Instr. 3) Instruction of Derivative Security (Instr. 3) Instruction of Derivative Security (Instr. 3) Instruction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  Instr. 4) Price of Derivative Securities Underlying Derivative Security (Instr. 3) Instruction of Indirect (I) (Instr. 4) Instr. 4)  Instr. 5) Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)  Instr. 4) Instr. 4) Instr. 4)	1. Title of							on of												
Price of Derivative Security    Price of Derivative Security   Price of Derivative Security   Price of Derivative Security   Securit	Derivative Security	or Exercise Price of			ition Date,															
Security  (A) or Disposed of (D) (Instr. 3, 4 and 5)  Amount or  Security (Instr. 3 and 4)  Following Reported Transaction(s) (Instr. 4)  Amount or	(Instr. 3)		(,				` Securities		rities	Underlying				ying	(Instr. 5)		Beneficially			
of (D) (Instr. 3, 4 and 5)  Amount or															Following		(111501.4)			
(Instr. 3, 4 and 5)  Amount or					Disposed			and 4)							(6)	1				
Amount						(Instr. 3, 4									(3)					
					and 5)															
														Number	1					
						Code	v	(A)	(D)		cisable		Title							

## **Explanation of Responses:**

- 1. Sales were effected pursuant to Rule 10b5-1 trading plan dated 12/20/06.
- 2. Reflects the average sale price of the total shares sold. Actual sales prices are as follows: 300 shares at \$29.73; 700 shares at \$29.70; 100 shares at \$29.65; and 150 shares at \$29.65.

By: Erik Lichter For: Stephen

01/17/2007

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.