FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

	OMB APP	ROVAL
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235-

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

1. Name and Address of Reporting Person*

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

2. Issuer Name and Ticker or Trading Symbol

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

5. Relationship of Reporting Person(s) to Issuer

MOYLAN JAMES E JR					CIENA CORP [CIEN]								(Dire			10% Owner Other (specify		
(Last) (First) (Middle) 1201 WINTERSON ROAD						3. Date of Earliest Transaction (Month/Day/Year) 12/14/2010									X	Officer (give title below) SVP, Finance, CFO				
(Street) LINTHIC			21090 (Zip)		4. If	Ame	endment,	Date of	f Original	Filed	(Month/Da	ay/Ye	ear)		. Indivine)	Forn	r Joint/Group n filed by One n filed by Mo on	e Repor	rting Pers	on
		Tab	le I - No	n-Deriv	ative	Se	curitie	s Acq	uired,	Dis	posed o	f, o	r Ben	efici	ally	Owne	ed			
· · · · · · · · · · · · · · · · · ·			2. Trans Date (Month/I	/Day/Year) if		2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Dispose Code (Instr. 5)		Disposed	rrities Acquired (A) ed Of (D) (Instr. 3,			4 and Secu Bene Own		cially I 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	9	Reported Transaction(s) (Instr. 3 and 4)				(11150.4)
Common Stock				12/14	4/2010	/2010					50,820		A	\$1	9.1	.1 306,799			D	
Common Stock 12/14					4/2010	/2010			A ⁽²⁾		12,700		A	\$19.1		9.1 319,499 ⁽³⁾			D	
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																			
Derivative Conversion Date Ex Security or Exercise (Month/Day/Year) if a		3A. Deem Execution if any (Month/Da	n Date, Transactio Code (Inst			ction of Derivative (Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date E Expiratio (Month/D	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amoun or Numbe of Title Shares			Deri Sec	Price of erivative ecurity estr. 5)	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. 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
- 2. Reflects Performance Stock Units (PSUs) for which the vesting is subject to the achievement of certain performance goals and an additional service period. Based upon the timing of achievement of the performance goals, the target amounts reported may increase by as much as an additional 70% of the grant amount reported above.
- 3. Shares reported include unvested Restricted Stock Units (RSUs).

Remarks:

By: Erik J. Lichter For: James E. Moylan, Jr.

12/16/2010

** 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.