## FORM 4

obligations may continue. See

Instruction 1(b)

Check this box if no longer subject to Section 16. Form 4 or Form 5

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## 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*  MOYLAN JAMES E JR					2. Issuer Name and Ticker or Trading Symbol  CIENA CORP [ CIEN ]								(Check	all app Direc	olicable) ctor	g Person(s) to I: 10% (	
(Last) (First) (Middle) C/O CIENA CORPORATION 7035 RIDGE RD.					3. Date of Earliest Transaction (Month/Day/Year) 06/21/2017								below)			below)	
Street) HANOVER MD 21076-14			426	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	ridual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person				
(Si	ate)																
	Tab	le I - No	on-Deriv	ative	Sec	uritie	s Ac	quired	d, Dis	sposed o	f, or B	enefi	cially	Owne	ed		
D. D				Date		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)					and 5) Securi Benefi Owned		ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
								Code	v	Amount	(A) or (D)	Price	•	Trans	action(s)		(Instr. 4)
Common Stock 06/21				.017				S		958(1)	D	\$25	.3099	39	9,335(2)	D	
Common Stock 06/2				2017				S		669(3)	D	\$2	\$25.31		8,666(2)	D	
Common Stock 06/21				.017				S		720(4)	D	\$25	\$25.3099		7,946 <sup>(2)</sup>	D	
Common Stock 06/21/2				.017						643(5)	D	\$2	\$25.31		7,303 <sup>(2)</sup>	D	
	Ta	able II -												wned			
erivative Conversion Date Execut ecurity or Exercise (Month/Day/Year) if any		Execution if any	on Date, Transact Code (In					Expiration Da (Month/Day/Y		ite ear)	Amoun		Deri Sec (Insi	vative dirity S r. 5) E C F	derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
	(Final Composition of the Conversion of Exercise Price of Derivative (Final Conversion of Exercise Price of Exercise	(First) NA CORPORATION DGE RD.  ER MD  (State)  Tab Security (Instr. 3)  Stock Stock Stock Stock  2. Conversion or Exercise Price of Derivative  (Month/Day/Year)	(First) (Middle)  (NA CORPORATION  OGE RD.  ER MD 21076-1  (State) (Zip)  Table I - Note the content of the con	(First) (Middle)  NA CORPORATION  OGE RD.  Table I - Non-Deriv  Gecurity (Instr. 3)  2. Transac Date (Month/Da  Stock  Stock  06/21/2  Table II - Derivat (e.g., pt  Conversion or Exercise Price of Derivative Price of Derivative  2. Transaction Date (Month/Day/Year)  3. Transaction Date (Month/Day/Year)  SA. Deemed Execution Date, if any (Month/Day/Year)	(First) (Middle)  NA CORPORATION OGE RD.  Table I - Non-Derivative Gecurity (Instr. 3)  Stock  O6/21/2017  Stock  O6/21/2017  Table II - Derivative S(e.g., puts, c) Conversion or Exercise Price of Derivative (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  Stock  3. Deemed Execution Date, if any (Month/Day/Year)  Stock (Month/Day/Year)  Stock (Month/Day/Year)	CIENA   CIENA   CIENA	AN JAMES E JR  (First) (Middle)  NA CORPORATION  OGE RD.  Table I - Non-Derivative Securities  Gecurity (Instr. 3)  2. Transaction Date (Month/Day/Year)  Stock  06/21/2017  24. Deeme Execution In any (Month/Day/Year)  Stock  06/21/2017  Table II - Derivative Securities (e.g., puts, calls, warr  2. Transaction Date (Month/Day/Year)  Stock  3. Date of Earlies 06/21/2017  2. Transaction Date (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr  2. Table II - Derivative Securities (e.g., puts, calls, warr  2. Table II - Derivative Securities (e.g., puts, calls, warr  2. Table II - Derivative Securities (e.g., puts, calls, warr  2. Table II - Derivative Securities (e.g., puts, calls, warr  2. Table II - Derivative Securities (e.g., puts, calls, warr)  2. 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Transaction Date (Month/Day/Year)  Stock  Table II - Derivative Securities Acquired, If any (Month/Day/Year)  3. Transaction Code (Instr. 3)  Table II - Derivative Securities Acquired, If any (Month/Day/Year)  S. Number of Earliest Transaction (06/21/2017  4. If Amendment, Date of Origin  2. Transaction Date (Month/Day/Year)  Stock  Stock  06/21/2017  S  Table II - Derivative Securities Acquired, If any (Month/Day/Year)  S. Number of Expirative Securities Acquired (A) or Origin  Transaction Code (Instr. 3, 4)  S. Number of Expirative Securities Acquired (A) or Origin  Transaction Date (Month/Day/Year)  S Number of Code (Instr. 3, 4)  S. Number of Code (Instr. 3, 4)	AN JAMES E JR  (First) (Middle) NA CORPORATION OGE RD.  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Original File Corporative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	(First) (Middle) NA CORPORATION OGE RD.  Table I - Non-Derivative Securities Acquired, Disposed of Month/Day/Year)  (State)  2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year)  Stock  06/21/2017  2. 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Table I - Non-Derivative Securities Acquired, Disposed of, or Berurity (Instr. 3)  Latransaction (Month/Day/Year)  (Month/Day/Year)  Stock  06/21/2017  Stock  06/	CIENA CORP [ CIEN ]  (First) (Middle) NA CORPORATION OGE RD.  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficial (Month/Day/Year)  (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficial (Month/Day/Year)  (Month/Day/Year)  (Stock 06/21/2017	CIENA CORP [ CIEN ]  (First) (Middle)  NA CORPORATION  OGE RD.  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Of Price  (State)  (State)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  (Stock  O6/21/2017  S 958(1)  O6/21/2017  S 958(1)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Of Price  Stock  O6/21/2017  S 958(1)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Of Price  Stock  O6/21/2017  S 958(1)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Of Securities Acquired, Or Securities Securities Acquired, Or Disposed of, or Beneficially Of Securities Acquired, Or Disposed of, or Beneficially Of Or Securities Securities Acquired, Or Disposed of, or Beneficially Of Or Disposed of (I) (Instr. 3, and 4)  Amount of Amount of Number	Clenk all applied   Conversion   Conversio	CIENA CORP [ CIEN ]  (First) (Middle)  NA CORPORATION  OGE RD.  4. If Amendment, Date of Original Filed (Month/Day/Year)  (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned Execution Date, (Month/Day/Year)  (Month/Day/Year) (Month/Day/Year)  Stock  O6/21/2017  S 958(I) D \$25.31 398,666(2)  Stock  O6/21/2017  S 643(5) D \$25.31 397,303(2)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Securities Stock  O6/21/2017  S 958(I) D \$25.3099 397,946(2)  Stock  O6/21/2017  S 643(5) D \$25.31 397,303(2)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Securities Securities Securities Acquired, Disposed Of, or Beneficially Owned Following Person  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Securities Securities Securities Securities Securities Acquired, Disposed of, or Beneficially Owned Securities Securities Acquired, Disposed of, or Beneficially Owned Securities Securities Securities Acquired, Disposed of, or Beneficially Owned Securities Securities Securities Acquired, Disposed of, or Beneficially Owned Securities Securities Acquired, Disposed of, or Beneficially Owned Securities Securities Acquired, Disposed Of, or Beneficially Owned Securities Securities Acquired (Month/Day/Year)  Amount of Securities Securities Acquired (Month/Day/Year)  Amount of Securities Securities Securities Acquired (Month/Day/Year)  Amount of Securities Sec	Cience   An applicable   Cience   Cie

## **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 12/17/2014. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/19/2014.
- 2. Shares reported include unvested Restricted Stock Units (RSUs) and Performance Stock Units (PSUs).
- 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 12/15/2015.Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/17/2015.
- 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 12/14/2016.  $Acquisition \ of the \ RSU \ was \ previously \ reported \ in \ Table \ I \ of \ reporting \ person's \ Form \ 4 \ on \ 12/16/2016.$
- 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 12/17/2013. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/19/2013.

By: Michelle Griswold For: James E. Moylan Jr.

06/21/2017

\*\* 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.