## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

	Washingtor	1, D.C. 20549	
STATEMENT	<b>OF CHANGES</b>	IN BENEFICIAL	<b>OWNERSHIP</b>

igton, D.C. 20549	OMB APPROVAL

3235-0287 OMB Number: Estimated average burden 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

1. Name and Address of Reporting Person*  STEVENSON RUSSELL B JR				2. Issuer Name and Ticker or Trading Symbol CIENA CORP [ CIEN ]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)							
SIEVE	MOUN F	COSSELL B J	<u>K</u>													Direc	ctor	10%	Owner	
			2 0	2. Date of Farlicet Transaction (Month/Day/Year)								$\dashv$	X	Office	er (give title v)	Other below	(specify			
(Last) (First) (Middle)				3. Date of Earliest Transaction (Month/Day/Year) 12/09/2006										SR '	R. VP, GENERAL COUNSEL					
C/O CIENA CORPORATION			12/										SIG VI, GEREIGHE GOORGEE							
1201 7471	NTERSON	POAD																		
1201 WI	VIEKSON	ROAD			4 16	4 If Amandment Date of Oviginal Filed (Manth/Day/1/a-a-)									C ladicidual an Isiat/Ossua Filian (Obsala to 1					
				·   4. Iī	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street) LINTHIC	CUM. M	. D	21090												X	Form	n filed by One	e Reporting Per	son	
LINITH	JUIVI, IVI	. ע.	21090															re than One Re	porting	
,					1											Pers	on			
(City)	(S	tate)	(Zip)																	
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of S	ecurity (Ins	tr. 3)		2. Trans	action	tion 2A. Deemed 3. 4. Securities Acqui											6. Ownership	7. Nature		
		•		Date	DavilVaa	Execution Date,						l Of (D) (Instr. 3, 4		. 3, 4 a				Form: Direct (D) or Indirect	of Indirect Beneficial	
				(MOHUI/L	Dayrtea	ay/Year) if any (Month/D		y nth/Day/Year)	Code (Instr. 5)					Benet		d Following	(I) (Instr. 4)	Ownership		
												(A) or Dri		Repor		ted action(s)		(Instr. 4)		
								Code	V	Amount		(A) 01 (D)	Price		(Instr. 3 and 4)					
Common Stock 12/09			/2006						227(1)	)	D	\$25	.37	1	7,908	D				
		T:	hla II - I	Derivet	ive S	۵۵۱۱	ıritias	Δοαμί	ired D	ienc	sed of,	or F	Renefi	الدنما	v Ov	vned				
		10									onvertib				y Ov	viicu				
1. Title of	2.	3. Transaction	ed	4.					6. Date Exercisable					8. Price		9. Number o		11. Nature		
Derivative Security	Conversion or Exercise	Date (Month/Day/Year)	Execution if any	Date,	Date, Transact Code (In:					Expiration Date Amount of Month/Day/Year) Securities				Derivati Security		derivative	Ownership Form:	of Indirect Beneficial		
(Instr. 3)	Price of	(WOIIIII/Day/Teal)	(Month/Da	ay/Year)	8)	ııısıı.	Derivative ( Securities		(WOTHIT)	ai)	Securities Underlying			(Instr. 5)		Securities Beneficially	Direct (D)	Ownership		
Derivative					.,,   5,		Acquired			Der			Derivative		' ' '		Owned	or Indirect	(Instr. 4)	
	Security					(A) or Disposed				Security (Instr. and 4)			str. 3	3		Following Reported				
							of (D)						anu 4)			Transaction	(s)			
							(Instr. 3, 4 and 5)										(Instr. 4)	1		
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													Am or	ount						
												mber								
										Date Expiration Exercisable Date		Tiel	of Title Shares							
		1	I	- 1	Code	ľ	(A)	(U)	⊏xercisa	nie	Date	1 1100	e   ona	ai es	I			1	1	

## **Explanation of Responses:**

1. Shares reported represent the amount forfeited to cover the tax liabilities of the reporting person pursuant to a restricted stock unit (RSU) award agreement. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on December 11, 2003.

> By: Anita Weiskerger For: Russell B Stevenson

12/12/2006

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  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.