

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

1. Name and Address of Reporting Person  
 Sevin Rosen Fund IV, L.P.  
 Two Galleria Tower  
 13455 Noel Road, Suite 1670  
 Dallas, TX 75240
2. Issuer Name and Ticker or Trading Symbol  
 CIENA Corporation  
 ("CIEN")
3. IRS or Social Security Number of Reporting Person (Voluntary)
4. Statement for Month/Year  
 February 1997
5. If Amendment, Date of Original (Month/Year)  
 February 5, 1997
6. Relationship of Reporting Person(s) to Issuer (Check all applicable)  
 ( ) Director (X) 10% Owner ( ) Officer (give title below) ( ) Other  
 (specify below)
7. Individual or Joint/Group Filing (Check Applicable Line)  
 (X) Form filed by One Reporting Person  
 ( ) Form filed by More than One Reporting Person

Table I -- Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security	2. Transaction Date	3. Code	4. Securities Acquired (A) or Disposed of (D)			5. Amount of Securities Beneficially Owned at End of Month	6. Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
			Amount	A/D	Price			
Common Stock	2/12/97	C	10,877,505	A		11,081,830	D	
Common Stock	2/12/97	C	714,285	A		714,285	I	By Sevin Rosen Fund V L.P. (1)

Table II -- Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Derivative Security	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date	4. Code	5. Number of Derivative Securities Acquired (A) or Disposed of (D)			6. Date Exercisable and Expiration Date		7. Title and Amount of Underlying Securities	8. Price of Derivative Security	9. Number of Derivative Securities Beneficially Owned at End of Month	10. Direct (D) or Indirect (I)	11. Nature of Indirect Beneficial Ownership
				Amount	A/D	Price	Exercisable Date	Expiration Date					
Series A Convertible Preferred Stock		2/12/97	C	1,148,789	D	(2)	(2)	Common Stock	5,743.945		-0-	D	
Series B Convertible Preferred Stock		2/12/97	C	740,998	D	(2)	(2)	Common Stock	3,704.990		-0-	D	
Series C Convertible Preferred Stock		2/12/97	C	285,714	D	(2)	(2)	Common Stock	1,428.570		-0-	D	
Series C Convertible Preferred Stock		2/12/97	C	142,857	D	(2)	(2)	Common Stock	714,285		-0-	I	By Sevin Rosen Fund V L.P. (1)

Explanation of Responses:

(1) Sevin Rosen Fund IV L.P. is an affiliate of Sevin Rosen Fund V L.P. and may be deemed to beneficially own the shares held by such entity.

(2) Upon the closing of the Issuer's initial public offering of its Common Stock, each issued and outstanding share of its convertible preferred stock automatically converted into five shares of Common Stock.

By: SEVIN ROSEN FUND IV  
 L.P.

By: SRB ASSOCIATES IV L.P., its general partner  
 By: /s/ John V. Jagers

John V. Jagers, General

Partner  
 SIGNATURE OF REPORTING PERSON  
 See Signature on Last Page

DATE  
 October 10, 1997