

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  
 June 1997
5. If Amendment, Date of Original (Month/Year)
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)  
 ( ) 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 |  |                               |  |
| Common Stock         |                     |         |   |     | 9,973,647  | D                             |  |
| Common Stock         | 06/17/97            | S       | 4,238   | D   | \$45.25<br>38,137  | I                             | By Sevin Rosen Bayless Mgmt Co. (1)        |
| Common Stock         |                     |         |   |     | 642,856  | 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 | 10. Direct (D) or Indirect (I) | 11. Nature of Indirect Beneficial Ownership |
|---------------------------------|--|---------------------|---------|--|---|--|---------------------------------|------------------------------------|--------------------------------|---|
|                                 |  |                     |         |  |   |  |                                 |                                    |                                |   |

Explanation of Responses:  
 (1) Sevin Rosen Fund IV L.P. is an affiliate of each of Sevin Rosen Bayless Management Co. and Sevin Rosen Fund V L.P. and may be deemed to beneficially own the shares held by these entities.

By: Sevin Rosen Fund IV  
 L.P.  
 By: SRB Associates IV L.P., its general partner  
 By: /s/ John V. Jagggers, General Partner Date: July 10, 1997  
 John V. Jagggers, General Partner

SIGNATURE OF REPORTING PERSON  
 See Signature on Last Page  
 DATE  
 July 10, 1997