

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P937604

Luminaire Tested: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937604  
REPORT IS A COMBINATION OF REPORTS P933582 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

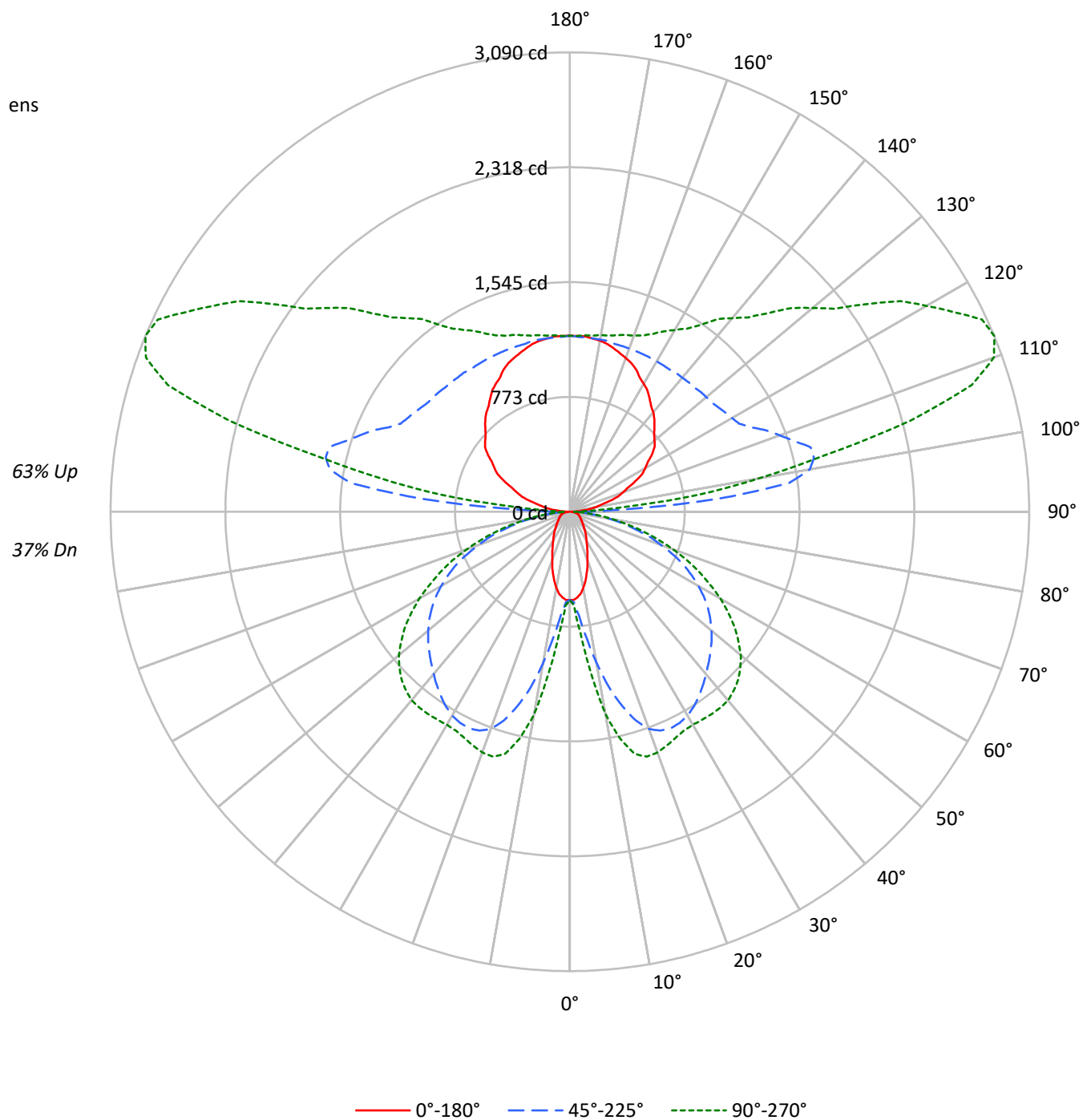
Lumens per Lamp: N/A  
Luminaire Lumens: 12273.7 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 98.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P937604

CATALOG NUMBER: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

### Luminous Intensity Polar Plot



TEST NUMBER: P937604

CATALOG NUMBER: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 |
| 1   | 95  | 90  | 86  | 83  | 86 | 82 | 78 | 75 | 66 | 64 | 62 | 52 | 50 | 49 | 39 | 38 | 37 |
| 2   | 86  | 78  | 72  | 67  | 77 | 71 | 66 | 61 | 58 | 54 | 50 | 45 | 42 | 40 | 34 | 32 | 30 |
| 3   | 78  | 68  | 61  | 55  | 70 | 62 | 56 | 50 | 50 | 46 | 42 | 39 | 36 | 33 | 29 | 27 | 25 |
| 4   | 71  | 60  | 52  | 46  | 64 | 55 | 48 | 42 | 44 | 39 | 35 | 35 | 31 | 28 | 26 | 23 | 21 |
| 5   | 65  | 53  | 45  | 39  | 58 | 48 | 41 | 36 | 39 | 34 | 30 | 31 | 27 | 24 | 23 | 20 | 18 |
| 6   | 60  | 47  | 39  | 33  | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 |
| 7   | 55  | 42  | 34  | 29  | 49 | 39 | 32 | 27 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 |
| 8   | 51  | 38  | 31  | 25  | 46 | 35 | 28 | 23 | 29 | 23 | 20 | 23 | 19 | 16 | 17 | 14 | 12 |
| 9   | 47  | 35  | 27  | 22  | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 |
| 10  | 44  | 32  | 24  | 20  | 40 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 12 | 10 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2756 | 2756 | 2756 |
| 5°  | 2692 | 3186 | 3704 |
| 10° | 2442 | 4643 | 6142 |
| 15° | 2076 | 6067 | 7416 |
| 20° | 1690 | 7030 | 7558 |
| 25° | 1410 | 7357 | 7405 |
| 30° | 1189 | 7403 | 7391 |
| 35° | 1051 | 7280 | 7582 |
| 40° | 916  | 7121 | 7779 |
| 45° | 829  | 7004 | 7810 |
| 50° | 761  | 6898 | 7681 |
| 55° | 729  | 6744 | 7340 |
| 60° | 746  | 6447 | 6802 |
| 65° | 776  | 5997 | 6063 |
| 70° | 826  | 5230 | 5123 |
| 75° | 916  | 4264 | 3998 |
| 80° | 1000 | 2957 | 2694 |
| 85° | 890  | 1569 | 1379 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7810 cd/sqm

TEST NUMBER: P937604

CATALOG NUMBER: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 76.8    | 0.6       |
| 10°-20°   | 340.6   | 2.8       |
| 20°-30°   | 595.7   | 4.9       |
| 30°-40°   | 766.8   | 6.2       |
| 40°-50°   | 856.5   | 7.0       |
| 50°-60°   | 820.4   | 6.7       |
| 60°-70°   | 650.1   | 5.3       |
| 70°-80°   | 382.3   | 3.1       |
| 80°-90°   | 110.7   | 0.9       |
| 90°-100°  | 577.0   | 4.7       |
| 100°-110° | 1517.0  | 12.4      |
| 110°-120° | 1573.0  | 12.8      |
| 120°-130° | 1261.7  | 10.3      |
| 130°-140° | 990.0   | 8.1       |
| 140°-150° | 759.9   | 6.2       |
| 150°-160° | 547.2   | 4.5       |
| 160°-170° | 334.8   | 2.7       |
| 170°-180° | 113.1   | 0.9       |
| 0°-30°    | 1013.1  | 8.3       |
| 0°-40°    | 1780.0  | 14.5      |
| 0°-60°    | 3456.9  | 28.2      |
| 0°-90°    | 4600.0  | 37.5      |
| 90°-120°  | 3667.0  | 29.9      |
| 90°-150°  | 6678.5  | 54.4      |
| 90°-180°  | 7674.0  | 62.5      |
| 0°-180°   | 12273.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 594  | 594   | 594  | 594   | 594  |      |
| 5°   | 579  | 621   | 699  | 791   | 819  | 53   |
| 15°  | 434  | 800   | 1349 | 1635  | 1687 | 121  |
| 25°  | 277  | 907   | 1606 | 1677  | 1679 | 128  |
| 35°  | 187  | 867   | 1513 | 1599  | 1662 | 117  |
| 45°  | 128  | 691   | 1337 | 1532  | 1601 | 99   |
| 55°  | 92   | 439   | 1135 | 1318  | 1354 | 84   |
| 65°  | 73   | 233   | 842  | 947   | 961  | 72   |
| 75°  | 54   | 143   | 462  | 508   | 510  | 56   |
| 85°  | 19   | 44    | 115  | 126   | 128  | 20   |
| 90°  | 8    | 22    | 60   | 30    | 30   | 8    |
| 95°  | 76   | 299   | 994  | 512   | 349  | 85   |
| 105° | 273  | 414   | 1677 | 2546  | 2375 | 290  |
| 115° | 485  | 590   | 1343 | 2680  | 3059 | 479  |
| 125° | 675  | 757   | 1222 | 2065  | 2436 | 600  |
| 135° | 805  | 886   | 1184 | 1667  | 1890 | 623  |
| 145° | 934  | 993   | 1169 | 1422  | 1533 | 585  |
| 155° | 1055 | 1084  | 1169 | 1283  | 1320 | 485  |
| 165° | 1138 | 1154  | 1169 | 1215  | 1230 | 321  |
| 175° | 1184 | 1184  | 1177 | 1192  | 1192 | 112  |
| 180° | 1184 | 1184  | 1184 | 1184  | 1184 |      |

TEST NUMBER: P937604

CATALOG NUMBER: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 594.0 | 594.0 | 594.0 | 594.0 | 594.0  | 594.0  | 594.0  | 594.0  | 594.0  | 594.0  | 594.0  |
| 2.5°   | 594.0 | 594.0 | 597.8 | 599.7 | 603.6  | 605.5  | 609.3  | 613.1  | 624.6  | 626.5  | 630.3  |
| 5°     | 578.7 | 586.4 | 611.2 | 620.8 | 647.5  | 683.8  | 699.1  | 723.9  | 775.5  | 790.7  | 800.3  |
| 7.5°   | 555.8 | 573.0 | 634.1 | 649.4 | 716.2  | 811.8  | 851.9  | 905.3  | 987.5  | 1027.6 | 1060.0 |
| 10°    | 519.5 | 555.8 | 664.7 | 701.0 | 809.8  | 955.0  | 1029.5 | 1104.1 | 1228.2 | 1283.6 | 1304.6 |
| 12.5°  | 479.4 | 538.6 | 697.2 | 746.8 | 903.4  | 1115.5 | 1205.3 | 1287.4 | 1428.8 | 1503.3 | 1514.7 |
| 15°    | 433.6 | 513.8 | 727.7 | 800.3 | 1002.8 | 1249.2 | 1348.6 | 1449.8 | 1581.6 | 1635.1 | 1648.4 |
| 17.5°  | 393.5 | 494.7 | 756.4 | 832.8 | 1079.1 | 1369.6 | 1470.8 | 1554.8 | 1661.8 | 1698.1 | 1707.6 |
| 20°    | 343.8 | 464.1 | 775.5 | 874.8 | 1159.5 | 1457.4 | 1554.8 | 1619.8 | 1692.4 | 1715.3 | 1719.1 |
| 22.5°  | 307.5 | 431.7 | 786.9 | 890.1 | 1212.9 | 1510.9 | 1593.0 | 1644.6 | 1694.3 | 1701.9 | 1703.8 |
| 25°    | 277.0 | 395.4 | 785.0 | 907.2 | 1258.8 | 1543.4 | 1606.4 | 1644.6 | 1673.3 | 1677.1 | 1677.1 |
| 27.5°  | 248.3 | 355.3 | 777.4 | 911.1 | 1293.2 | 1551.0 | 1600.7 | 1627.4 | 1640.8 | 1648.4 | 1648.4 |
| 30°    | 223.5 | 317.1 | 758.3 | 903.4 | 1308.4 | 1543.4 | 1583.5 | 1596.9 | 1610.2 | 1621.7 | 1627.4 |
| 32.5°  | 204.4 | 280.8 | 729.6 | 888.2 | 1310.4 | 1524.3 | 1552.9 | 1560.6 | 1579.7 | 1606.4 | 1616.0 |
| 35°    | 187.2 | 244.5 | 697.2 | 867.1 | 1298.9 | 1493.7 | 1512.8 | 1520.5 | 1558.7 | 1598.8 | 1612.1 |
| 37.5°  | 170.0 | 217.7 | 655.1 | 830.8 | 1281.7 | 1457.4 | 1470.8 | 1484.2 | 1543.4 | 1591.1 | 1606.4 |
| 40°    | 152.8 | 194.8 | 605.5 | 790.7 | 1255.0 | 1413.5 | 1425.0 | 1446.0 | 1524.3 | 1579.7 | 1594.9 |
| 42.5°  | 139.4 | 175.7 | 552.0 | 748.7 | 1220.6 | 1363.8 | 1381.0 | 1411.6 | 1501.4 | 1560.6 | 1577.8 |
| 45°    | 128.0 | 156.6 | 494.7 | 691.4 | 1176.7 | 1312.3 | 1337.1 | 1379.1 | 1474.6 | 1531.9 | 1547.2 |
| 47.5°  | 116.5 | 143.2 | 435.5 | 632.2 | 1128.9 | 1260.7 | 1293.2 | 1340.9 | 1438.3 | 1493.7 | 1507.1 |
| 50°    | 107.0 | 129.9 | 376.3 | 569.2 | 1077.2 | 1205.3 | 1243.5 | 1293.2 | 1392.5 | 1444.1 | 1461.2 |
| 52.5°  | 99.3  | 118.4 | 320.9 | 506.2 | 1018.0 | 1148.0 | 1191.9 | 1243.5 | 1337.1 | 1386.8 | 1398.2 |
| 55°    | 91.7  | 108.9 | 273.1 | 439.3 | 956.9  | 1086.9 | 1134.6 | 1184.3 | 1276.0 | 1318.0 | 1325.6 |
| 57.5°  | 87.9  | 101.2 | 233.0 | 376.3 | 892.0  | 1018.0 | 1071.5 | 1117.4 | 1203.4 | 1235.9 | 1243.5 |
| 60°    | 82.1  | 95.5  | 202.5 | 322.8 | 821.3  | 953.1  | 998.9  | 1044.8 | 1117.4 | 1144.2 | 1149.9 |
| 62.5°  | 76.4  | 91.7  | 179.5 | 271.2 | 748.7  | 876.7  | 922.5  | 964.6  | 1025.7 | 1044.8 | 1052.4 |
| 65°    | 72.6  | 87.9  | 162.4 | 233.0 | 674.2  | 796.5  | 842.3  | 878.6  | 928.3  | 947.4  | 951.2  |
| 67.5°  | 68.8  | 84.0  | 149.0 | 200.5 | 599.7  | 716.2  | 750.6  | 785.0  | 823.2  | 842.3  | 844.2  |
| 70°    | 63.0  | 80.2  | 137.5 | 177.6 | 523.3  | 624.6  | 653.2  | 689.5  | 720.1  | 729.6  | 735.4  |
| 72.5°  | 59.2  | 74.5  | 129.9 | 160.4 | 445.0  | 536.7  | 563.4  | 584.5  | 611.2  | 620.8  | 620.8  |
| 75°    | 53.5  | 66.8  | 122.2 | 143.2 | 364.8  | 439.3  | 462.2  | 483.2  | 504.2  | 508.1  | 502.3  |
| 77.5°  | 47.8  | 59.2  | 105.0 | 120.3 | 284.6  | 347.6  | 366.7  | 378.2  | 395.4  | 399.2  | 401.1  |
| 80°    | 40.1  | 51.6  | 82.1  | 93.6  | 206.3  | 255.9  | 269.3  | 278.9  | 294.1  | 294.1  | 298.0  |
| 82.5°  | 30.6  | 40.1  | 59.2  | 66.8  | 139.4  | 175.7  | 187.2  | 192.9  | 202.5  | 202.5  | 202.5  |
| 85°    | 19.1  | 24.8  | 38.2  | 43.9  | 84.0   | 107.0  | 114.6  | 116.5  | 124.2  | 126.1  | 126.1  |
| 87.5°  | 9.5   | 13.4  | 24.8  | 26.7  | 43.9   | 55.4   | 55.4   | 59.2   | 59.2   | 57.3   | 55.4   |
| 90°    | 7.9   | 14.3  | 20.6  | 22.3  | 35.0   | 51.9   | 60.4   | 53.7   | 40.2   | 30.2   | 30.2   |
| 92.5°  | 31.8  | 85.9  | 139.9 | 153.4 | 215.5  | 298.5  | 340.0  | 298.0  | 214.0  | 151.0  | 145.0  |
| 95°    | 76.3  | 175.1 | 274.0 | 298.7 | 530.4  | 839.3  | 993.9  | 886.9  | 672.9  | 512.5  | 494.3  |
| 97.5°  | 131.9 | 219.1 | 306.4 | 328.1 | 714.5  | 1229.7 | 1487.2 | 1419.6 | 1284.4 | 1183.0 | 1148.4 |
| 100°   | 174.8 | 253.8 | 333.0 | 352.8 | 781.5  | 1353.1 | 1639.0 | 1643.9 | 1653.8 | 1661.2 | 1620.0 |
| 102.5° | 211.3 | 285.1 | 358.9 | 377.3 | 812.1  | 1391.9 | 1681.9 | 1768.0 | 1940.4 | 2069.6 | 2034.2 |
| 105°   | 273.3 | 335.8 | 398.2 | 413.9 | 835.0  | 1396.4 | 1677.1 | 1870.2 | 2256.5 | 2546.2 | 2527.2 |
| 107.5° | 336.8 | 395.1 | 453.3 | 468.0 | 839.3  | 1334.2 | 1581.8 | 1851.2 | 2390.0 | 2794.0 | 2798.6 |
| 110°   | 379.7 | 432.3 | 484.9 | 498.1 | 832.9  | 1279.1 | 1502.3 | 1803.5 | 2405.8 | 2857.6 | 2877.4 |

TEST NUMBER: P937604

CATALOG NUMBER: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 421.8  | 472.0  | 522.2  | 534.7  | 833.1  | 1231.1 | 1430.0 | 1738.3 | 2354.7 | 2817.2 | 2847.5 |
| 115°   | 485.4  | 531.6  | 578.0  | 589.5  | 840.8  | 1175.9 | 1343.4 | 1640.4 | 2234.3 | 2679.7 | 2721.8 |
| 117.5° | 548.2  | 590.2  | 632.2  | 642.7  | 856.4  | 1141.3 | 1283.8 | 1551.8 | 2087.8 | 2489.8 | 2536.5 |
| 120°   | 584.7  | 624.3  | 663.8  | 673.7  | 869.1  | 1129.8 | 1260.0 | 1504.9 | 1994.6 | 2361.9 | 2407.3 |
| 122.5° | 620.5  | 660.4  | 700.3  | 710.2  | 887.4  | 1123.6 | 1241.7 | 1462.2 | 1903.2 | 2234.0 | 2278.8 |
| 125°   | 675.3  | 711.7  | 748.1  | 757.1  | 912.0  | 1118.6 | 1221.8 | 1409.2 | 1783.8 | 2064.8 | 2106.1 |
| 127.5° | 719.8  | 756.5  | 793.2  | 802.4  | 936.7  | 1115.7 | 1205.2 | 1366.0 | 1687.7 | 1928.9 | 1963.7 |
| 130°   | 743.6  | 783.1  | 822.6  | 832.6  | 954.6  | 1117.4 | 1198.8 | 1342.0 | 1628.4 | 1843.2 | 1875.2 |
| 132.5° | 768.2  | 807.7  | 847.3  | 857.2  | 969.2  | 1118.6 | 1193.3 | 1321.4 | 1577.8 | 1770.0 | 1798.7 |
| 135°   | 804.8  | 840.8  | 876.9  | 885.9  | 985.2  | 1117.5 | 1183.7 | 1291.1 | 1505.7 | 1666.8 | 1691.6 |
| 137.5° | 842.1  | 877.7  | 913.5  | 922.3  | 1009.0 | 1124.4 | 1182.1 | 1272.8 | 1454.4 | 1590.5 | 1610.8 |
| 140°   | 873.1  | 905.9  | 938.8  | 947.0  | 1023.5 | 1125.6 | 1176.6 | 1255.0 | 1411.8 | 1529.3 | 1548.3 |
| 142.5° | 896.9  | 927.3  | 957.7  | 965.2  | 1035.7 | 1129.6 | 1176.6 | 1245.4 | 1383.1 | 1486.5 | 1502.8 |
| 145°   | 933.5  | 960.0  | 986.5  | 993.1  | 1051.6 | 1129.7 | 1168.6 | 1225.0 | 1337.6 | 1422.1 | 1434.4 |
| 147.5° | 970.0  | 995.8  | 1021.6 | 1028.1 | 1074.9 | 1137.4 | 1168.6 | 1212.9 | 1301.6 | 1368.0 | 1378.3 |
| 150°   | 993.9  | 1017.2 | 1040.5 | 1046.3 | 1087.1 | 1141.4 | 1168.6 | 1206.1 | 1280.9 | 1337.1 | 1345.4 |
| 152.5° | 1018.5 | 1036.2 | 1053.8 | 1058.2 | 1095.0 | 1144.1 | 1168.6 | 1200.6 | 1264.5 | 1312.5 | 1318.8 |
| 155°   | 1055.0 | 1068.1 | 1081.2 | 1084.4 | 1112.5 | 1149.9 | 1168.6 | 1194.0 | 1244.9 | 1283.0 | 1287.1 |
| 157.5° | 1082.0 | 1094.7 | 1107.5 | 1110.7 | 1130.0 | 1155.7 | 1168.6 | 1188.4 | 1227.9 | 1257.6 | 1260.5 |
| 160°   | 1100.4 | 1110.3 | 1120.1 | 1122.6 | 1138.0 | 1158.4 | 1168.6 | 1185.6 | 1219.5 | 1244.9 | 1246.7 |
| 162.5° | 1118.6 | 1126.0 | 1133.5 | 1135.3 | 1146.4 | 1161.2 | 1168.6 | 1183.0 | 1211.5 | 1233.0 | 1234.6 |
| 165°   | 1138.5 | 1145.1 | 1151.8 | 1153.5 | 1158.6 | 1165.3 | 1168.6 | 1178.9 | 1199.4 | 1214.8 | 1216.5 |
| 167.5° | 1156.7 | 1159.8 | 1163.1 | 1163.9 | 1168.1 | 1173.7 | 1176.6 | 1183.2 | 1196.7 | 1206.7 | 1207.4 |
| 170°   | 1168.6 | 1171.8 | 1175.0 | 1175.8 | 1176.1 | 1176.4 | 1176.6 | 1183.2 | 1196.7 | 1206.7 | 1206.7 |
| 172.5° | 1175.0 | 1175.7 | 1176.4 | 1176.6 | 1176.6 | 1176.6 | 1176.6 | 1181.9 | 1192.5 | 1200.4 | 1199.9 |
| 175°   | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1181.3 | 1178.2 | 1176.6 | 1179.9 | 1186.6 | 1191.6 | 1191.6 |
| 177.5° | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1181.9 | 1179.4 | 1178.2 | 1180.9 | 1186.1 | 1190.1 | 1189.5 |
| 180°   | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 |

TEST NUMBER: P937604

CATALOG NUMBER: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 594.0  | 594.0  |
| 2.5°   | 634.1  | 630.3  |
| 5°     | 815.6  | 819.4  |
| 7.5°   | 1098.3 | 1096.4 |
| 10°    | 1365.7 | 1382.9 |
| 12.5°  | 1560.6 | 1564.4 |
| 15°    | 1679.0 | 1686.6 |
| 17.5°  | 1724.8 | 1726.7 |
| 20°    | 1726.7 | 1722.9 |
| 22.5°  | 1705.7 | 1701.9 |
| 25°    | 1680.9 | 1679.0 |
| 27.5°  | 1658.0 | 1659.9 |
| 30°    | 1648.4 | 1654.2 |
| 32.5°  | 1648.4 | 1658.0 |
| 35°    | 1652.2 | 1661.8 |
| 37.5°  | 1650.3 | 1661.8 |
| 40°    | 1642.7 | 1656.1 |
| 42.5°  | 1621.7 | 1631.2 |
| 45°    | 1589.2 | 1600.7 |
| 47.5°  | 1547.2 | 1554.8 |
| 50°    | 1493.7 | 1501.4 |
| 52.5°  | 1426.9 | 1428.8 |
| 55°    | 1346.6 | 1354.3 |
| 57.5°  | 1260.7 | 1262.6 |
| 60°    | 1165.2 | 1170.9 |
| 62.5°  | 1063.9 | 1063.9 |
| 65°    | 956.9  | 960.7  |
| 67.5°  | 846.1  | 855.7  |
| 70°    | 733.4  | 735.4  |
| 72.5°  | 622.7  | 622.7  |
| 75°    | 508.1  | 510.0  |
| 77.5°  | 399.2  | 399.2  |
| 80°    | 296.0  | 298.0  |
| 82.5°  | 204.4  | 208.2  |
| 85°    | 128.0  | 128.0  |
| 87.5°  | 59.2   | 53.5   |
| 90°    | 30.2   | 30.2   |
| 92.5°  | 121.0  | 96.9   |
| 95°    | 421.5  | 348.8  |
| 97.5°  | 1009.9 | 871.5  |
| 100°   | 1455.1 | 1290.2 |
| 102.5° | 1893.0 | 1751.8 |
| 105°   | 2451.3 | 2375.4 |
| 107.5° | 2817.1 | 2835.4 |
| 110°   | 2956.5 | 3035.6 |

TEST NUMBER: P937604

CATALOG NUMBER: SQ4-FB-100U-075D-B40-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2968.9 | 3090.4 |
| 115°   | 2890.2 | 3058.7 |
| 117.5° | 2723.3 | 2910.1 |
| 120°   | 2588.8 | 2770.3 |
| 122.5° | 2457.8 | 2636.8 |
| 125°   | 2270.9 | 2435.8 |
| 127.5° | 2102.8 | 2242.0 |
| 130°   | 2003.8 | 2132.3 |
| 132.5° | 1913.9 | 2029.0 |
| 135°   | 1790.8 | 1890.0 |
| 137.5° | 1692.0 | 1773.2 |
| 140°   | 1624.2 | 1700.1 |
| 142.5° | 1568.1 | 1633.4 |
| 145°   | 1483.9 | 1533.3 |
| 147.5° | 1419.2 | 1460.2 |
| 150°   | 1378.5 | 1411.8 |
| 152.5° | 1343.8 | 1368.8 |
| 155°   | 1303.8 | 1320.4 |
| 157.5° | 1272.2 | 1283.8 |
| 160°   | 1253.3 | 1260.0 |
| 162.5° | 1240.9 | 1247.3 |
| 165°   | 1223.2 | 1229.8 |
| 167.5° | 1210.3 | 1213.1 |
| 170°   | 1206.7 | 1206.7 |
| 172.5° | 1197.4 | 1194.9 |
| 175°   | 1191.6 | 1191.6 |
| 177.5° | 1186.6 | 1183.7 |
| 180°   | 1183.7 | 1183.7 |

(END OF REPORT)