

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: P937708

Luminaire Tested: SQ4-FB-100U-100D-B50-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937708  
REPORT IS A COMBINATION OF REPORTS P933583 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-100U-100D-B50-1D-UNV-W2A-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

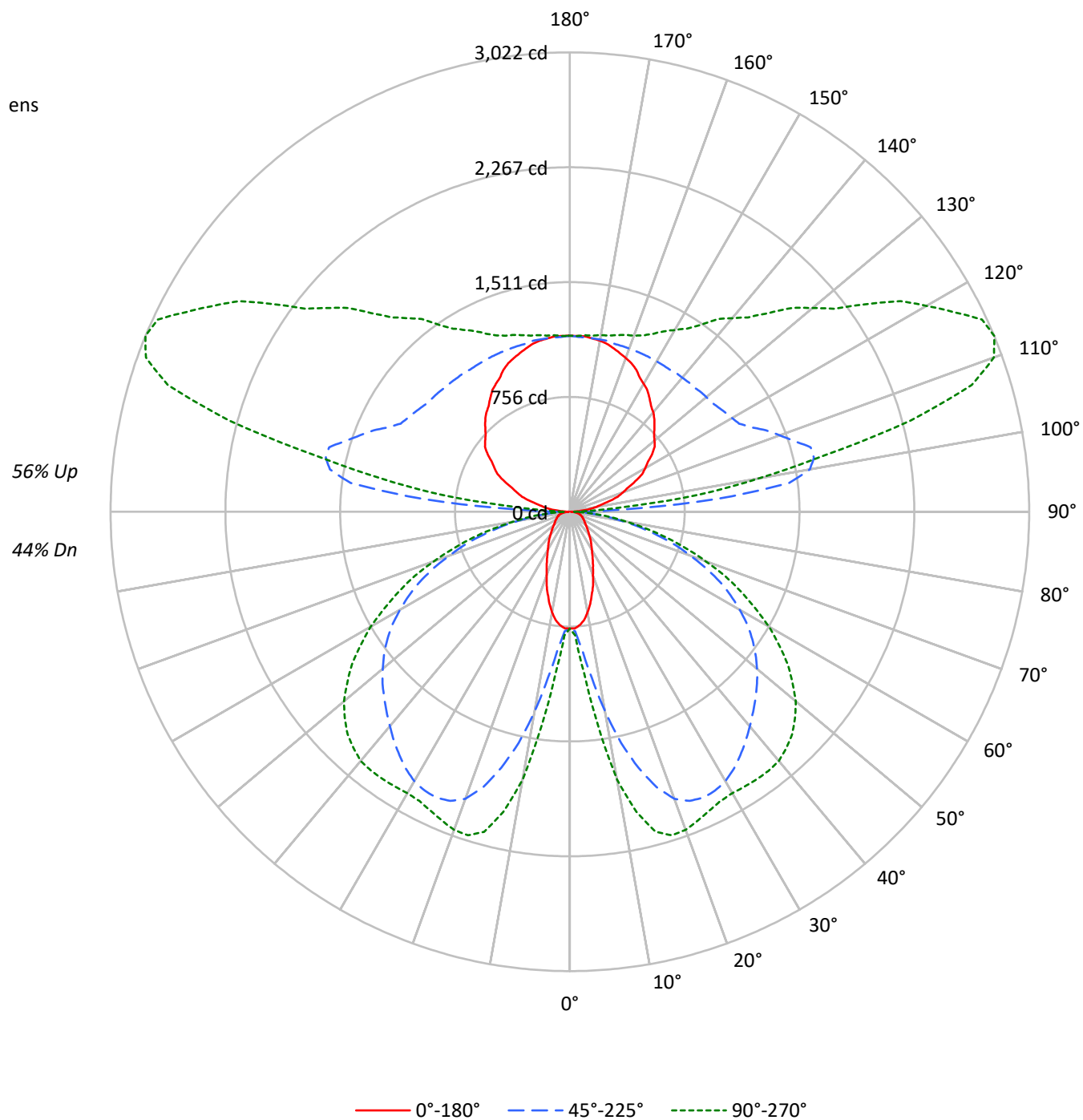
Lumens per Lamp: N/A  
Luminaire Lumens: 13447.8 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 116  
Input Voltage (V): NR  
Input Current (Ain): 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: P937708

CATALOG NUMBER: SQ4-FB-100U-100D-B50-1D-UNV-W2A-W-8

### Luminous Intensity Polar Plot



TEST NUMBER: P937708

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**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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 |
| 1   | 96  | 91  | 87  | 84  | 88 | 84 | 80 | 77 | 69 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 |
| 2   | 87  | 79  | 73  | 68  | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 43 | 38 | 36 | 34 |
| 3   | 79  | 69  | 62  | 56  | 72 | 63 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 33 | 31 | 29 |
| 4   | 72  | 61  | 53  | 46  | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 30 | 29 | 27 | 24 |
| 5   | 66  | 54  | 46  | 39  | 60 | 49 | 42 | 37 | 41 | 36 | 31 | 33 | 29 | 26 | 26 | 23 | 21 |
| 6   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 20 | 18 |
| 7   | 56  | 43  | 35  | 29  | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 21 | 18 | 16 |
| 8   | 51  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 25 | 20 | 17 | 19 | 16 | 14 |
| 9   | 48  | 35  | 28  | 23  | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 |
| 10  | 44  | 32  | 25  | 20  | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 16 | 14 | 16 | 13 | 11 |

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

|     | 0°   | 45°  | 90°   |
|-----|------|------|-------|
| 0°  | 3562 | 3562 | 3562  |
| 5°  | 3479 | 4116 | 4787  |
| 10° | 3156 | 6000 | 7936  |
| 15° | 2682 | 7839 | 9583  |
| 20° | 2184 | 9084 | 9767  |
| 25° | 1822 | 9506 | 9568  |
| 30° | 1536 | 9567 | 9551  |
| 35° | 1358 | 9408 | 9797  |
| 40° | 1183 | 9201 | 10052 |
| 45° | 1072 | 9050 | 10092 |
| 50° | 983  | 8914 | 9924  |
| 55° | 941  | 8715 | 9485  |
| 60° | 964  | 8332 | 8790  |
| 65° | 1003 | 7750 | 7836  |
| 70° | 1068 | 6759 | 6620  |
| 75° | 1183 | 5511 | 5166  |
| 80° | 1292 | 3822 | 3481  |
| 85° | 1150 | 2028 | 1782  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10092 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 99.3    | 0.7       |
| 10°-20°   | 440.1   | 3.3       |
| 20°-30°   | 769.8   | 5.7       |
| 30°-40°   | 990.9   | 7.4       |
| 40°-50°   | 1106.8  | 8.2       |
| 50°-60°   | 1060.1  | 7.9       |
| 60°-70°   | 840.1   | 6.2       |
| 70°-80°   | 494.0   | 3.7       |
| 80°-90°   | 141.7   | 1.1       |
| 90°-100°  | 564.3   | 4.2       |
| 100°-110° | 1483.6  | 11.0      |
| 110°-120° | 1538.4  | 11.4      |
| 120°-130° | 1234.0  | 9.2       |
| 130°-140° | 968.2   | 7.2       |
| 140°-150° | 743.1   | 5.5       |
| 150°-160° | 535.2   | 4.0       |
| 160°-170° | 327.5   | 2.4       |
| 170°-180° | 110.6   | 0.8       |
| 0°-30°    | 1309.2  | 9.7       |
| 0°-40°    | 2300.1  | 17.1      |
| 0°-60°    | 4467.0  | 33.2      |
| 0°-90°    | 5942.8  | 44.2      |
| 90°-120°  | 3586.3  | 26.7      |
| 90°-150°  | 6531.7  | 48.6      |
| 90°-180°  | 7505.0  | 55.8      |
| 0°-180°   | 13447.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 768  | 768   | 768  | 768   | 768  |      |
| 5°   | 748  | 802   | 903  | 1022  | 1059 | 69   |
| 15°  | 560  | 1034  | 1743 | 2113  | 2180 | 156  |
| 25°  | 358  | 1172  | 2076 | 2167  | 2170 | 165  |
| 35°  | 242  | 1121  | 1955 | 2066  | 2147 | 151  |
| 45°  | 165  | 894   | 1728 | 1980  | 2068 | 128  |
| 55°  | 118  | 568   | 1466 | 1703  | 1750 | 108  |
| 65°  | 94   | 301   | 1088 | 1224  | 1242 | 93   |
| 75°  | 69   | 185   | 597  | 657   | 659  | 72   |
| 85°  | 25   | 57    | 148  | 163   | 165  | 26   |
| 90°  | 8    | 22    | 59   | 30    | 30   | 8    |
| 95°  | 75   | 292   | 972  | 501   | 341  | 83   |
| 105° | 267  | 405   | 1640 | 2490  | 2323 | 283  |
| 115° | 475  | 577   | 1314 | 2621  | 2991 | 469  |
| 125° | 660  | 740   | 1195 | 2019  | 2382 | 586  |
| 135° | 787  | 866   | 1158 | 1630  | 1848 | 609  |
| 145° | 913  | 971   | 1143 | 1391  | 1500 | 572  |
| 155° | 1032 | 1061  | 1143 | 1255  | 1291 | 474  |
| 165° | 1113 | 1128  | 1143 | 1188  | 1203 | 314  |
| 175° | 1158 | 1158  | 1151 | 1165  | 1165 | 110  |
| 180° | 1158 | 1158  | 1158 | 1158  | 1158 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 767.7 | 767.7 | 767.7  | 767.7  | 767.7  | 767.7  | 767.7  | 767.7  | 767.7  | 767.7  | 767.7  |
| 2.5°   | 767.7 | 767.7 | 772.6  | 775.0  | 780.0  | 782.4  | 787.4  | 792.3  | 807.2  | 809.6  | 814.5  |
| 5°     | 747.9 | 757.8 | 789.9  | 802.2  | 836.8  | 883.7  | 903.4  | 935.5  | 1002.1 | 1021.9 | 1034.2 |
| 7.5°   | 718.2 | 740.5 | 819.5  | 839.2  | 925.6  | 1049.0 | 1100.8 | 1169.9 | 1276.1 | 1328.0 | 1369.9 |
| 10°    | 671.4 | 718.2 | 859.0  | 905.9  | 1046.5 | 1234.1 | 1330.4 | 1426.7 | 1587.1 | 1658.7 | 1685.8 |
| 12.5°  | 619.5 | 696.0 | 900.9  | 965.1  | 1167.5 | 1441.4 | 1557.4 | 1663.6 | 1846.2 | 1942.5 | 1957.3 |
| 15°    | 560.3 | 664.0 | 940.4  | 1034.2 | 1295.8 | 1614.2 | 1742.6 | 1873.4 | 2043.7 | 2112.8 | 2130.1 |
| 17.5°  | 508.5 | 639.3 | 977.4  | 1076.2 | 1394.6 | 1769.7 | 1900.6 | 2009.1 | 2147.4 | 2194.2 | 2206.7 |
| 20°    | 444.3 | 599.8 | 1002.1 | 1130.4 | 1498.2 | 1883.3 | 2009.1 | 2093.1 | 2186.9 | 2216.5 | 2221.4 |
| 22.5°  | 397.4 | 557.8 | 1016.9 | 1150.2 | 1567.3 | 1952.4 | 2058.5 | 2125.1 | 2189.4 | 2199.2 | 2201.7 |
| 25°    | 357.9 | 510.9 | 1014.4 | 1172.5 | 1626.6 | 1994.4 | 2075.8 | 2125.1 | 2162.2 | 2167.2 | 2167.2 |
| 27.5°  | 320.8 | 459.1 | 1004.6 | 1177.4 | 1671.0 | 2004.3 | 2068.4 | 2103.0 | 2120.3 | 2130.1 | 2130.1 |
| 30°    | 288.8 | 409.7 | 979.9  | 1167.5 | 1690.7 | 1994.4 | 2046.2 | 2063.5 | 2080.8 | 2095.5 | 2103.0 |
| 32.5°  | 264.1 | 362.9 | 942.9  | 1147.7 | 1693.2 | 1969.7 | 2006.7 | 2016.6 | 2041.3 | 2075.8 | 2088.1 |
| 35°    | 241.9 | 316.0 | 900.9  | 1120.6 | 1678.4 | 1930.2 | 1954.9 | 1964.8 | 2014.1 | 2065.9 | 2083.2 |
| 37.5°  | 219.7 | 281.4 | 846.6  | 1073.7 | 1656.2 | 1883.3 | 1900.6 | 1917.9 | 1994.4 | 2056.0 | 2075.8 |
| 40°    | 197.4 | 251.8 | 782.4  | 1021.9 | 1621.6 | 1826.5 | 1841.3 | 1868.5 | 1969.7 | 2041.3 | 2061.0 |
| 42.5°  | 180.2 | 227.1 | 713.3  | 967.5  | 1577.2 | 1762.4 | 1784.6 | 1824.0 | 1940.0 | 2016.6 | 2038.8 |
| 45°    | 165.4 | 202.4 | 639.3  | 893.5  | 1520.5 | 1695.7 | 1727.8 | 1782.1 | 1905.5 | 1979.5 | 1999.3 |
| 47.5°  | 150.6 | 185.1 | 562.7  | 817.0  | 1458.7 | 1629.1 | 1671.0 | 1732.8 | 1858.6 | 1930.2 | 1947.5 |
| 50°    | 138.2 | 167.8 | 486.2  | 735.5  | 1392.1 | 1557.4 | 1606.9 | 1671.0 | 1799.4 | 1866.0 | 1888.2 |
| 52.5°  | 128.3 | 153.0 | 414.7  | 654.1  | 1315.5 | 1483.4 | 1540.2 | 1606.9 | 1727.8 | 1792.0 | 1806.7 |
| 55°    | 118.4 | 140.7 | 353.0  | 567.7  | 1236.6 | 1404.5 | 1466.1 | 1530.4 | 1648.8 | 1703.1 | 1713.0 |
| 57.5°  | 113.6 | 130.9 | 301.1  | 486.2  | 1152.6 | 1315.5 | 1384.7 | 1444.0 | 1555.0 | 1597.0 | 1606.9 |
| 60°    | 106.1 | 123.4 | 261.6  | 417.1  | 1061.4 | 1231.7 | 1290.9 | 1350.1 | 1444.0 | 1478.5 | 1485.9 |
| 62.5°  | 98.7  | 118.4 | 232.0  | 350.5  | 967.5  | 1132.9 | 1192.2 | 1246.5 | 1325.4 | 1350.1 | 1360.0 |
| 65°    | 93.8  | 113.6 | 209.8  | 301.1  | 871.3  | 1029.3 | 1088.5 | 1135.4 | 1199.5 | 1224.3 | 1229.2 |
| 67.5°  | 88.8  | 108.6 | 192.5  | 259.2  | 775.0  | 925.6  | 970.1  | 1014.4 | 1063.8 | 1088.5 | 1091.0 |
| 70°    | 81.4  | 103.7 | 177.7  | 229.6  | 676.3  | 807.2  | 844.1  | 891.0  | 930.5  | 942.9  | 950.3  |
| 72.5°  | 76.5  | 96.3  | 167.8  | 207.3  | 575.1  | 693.6  | 728.1  | 755.3  | 789.9  | 802.2  | 802.2  |
| 75°    | 69.1  | 86.4  | 157.9  | 185.1  | 471.5  | 567.7  | 597.3  | 624.5  | 651.7  | 656.6  | 649.1  |
| 77.5°  | 61.7  | 76.5  | 135.7  | 155.5  | 367.8  | 449.3  | 473.9  | 488.7  | 510.9  | 515.8  | 518.4  |
| 80°    | 51.8  | 66.7  | 106.1  | 121.0  | 266.6  | 330.7  | 348.0  | 360.3  | 380.1  | 380.1  | 385.1  |
| 82.5°  | 39.5  | 51.8  | 76.5   | 86.4   | 180.2  | 227.1  | 241.9  | 249.3  | 261.6  | 261.6  | 261.6  |
| 85°    | 24.7  | 32.1  | 49.4   | 56.8   | 108.6  | 138.2  | 148.1  | 150.6  | 160.5  | 162.9  | 162.9  |
| 87.5°  | 12.3  | 17.3  | 32.1   | 34.6   | 56.8   | 71.5   | 71.5   | 76.5   | 76.5   | 74.1   | 71.5   |
| 90°    | 7.8   | 14.0  | 20.2   | 21.8   | 34.2   | 50.7   | 59.0   | 52.5   | 39.3   | 29.5   | 29.5   |
| 92.5°  | 31.1  | 84.0  | 136.8  | 150.0  | 210.8  | 292.0  | 332.5  | 291.4  | 209.3  | 147.7  | 141.8  |
| 95°    | 74.6  | 171.3 | 268.0  | 292.2  | 518.7  | 820.9  | 972.0  | 867.4  | 658.1  | 501.2  | 483.4  |
| 97.5°  | 129.0 | 214.3 | 299.6  | 320.9  | 698.8  | 1202.6 | 1454.5 | 1388.4 | 1256.1 | 1156.9 | 1123.1 |
| 100°   | 170.9 | 248.3 | 325.7  | 345.0  | 764.3  | 1323.4 | 1602.9 | 1607.8 | 1617.4 | 1624.7 | 1584.3 |
| 102.5° | 206.7 | 278.8 | 351.0  | 369.0  | 794.3  | 1361.3 | 1644.9 | 1729.1 | 1897.7 | 2024.1 | 1989.5 |
| 105°   | 267.3 | 328.4 | 389.5  | 404.8  | 816.6  | 1365.7 | 1640.2 | 1829.1 | 2206.9 | 2490.2 | 2471.6 |
| 107.5° | 329.4 | 386.4 | 443.4  | 457.7  | 820.8  | 1304.9 | 1547.0 | 1810.5 | 2337.4 | 2732.6 | 2737.1 |
| 110°   | 371.4 | 422.8 | 474.3  | 487.2  | 814.5  | 1251.0 | 1469.3 | 1763.9 | 2352.9 | 2794.8 | 2814.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 412.5  | 461.6  | 510.7  | 522.9  | 814.8  | 1204.0 | 1398.6 | 1700.1 | 2303.0 | 2755.2 | 2784.9 |
| 115°   | 474.8  | 520.0  | 565.3  | 576.6  | 822.3  | 1150.0 | 1313.9 | 1604.3 | 2185.2 | 2620.8 | 2662.0 |
| 117.5° | 536.1  | 577.2  | 618.3  | 628.6  | 837.6  | 1116.2 | 1255.6 | 1517.7 | 2041.9 | 2435.0 | 2480.7 |
| 120°   | 571.9  | 610.6  | 649.2  | 658.8  | 850.0  | 1104.9 | 1232.3 | 1471.8 | 1950.8 | 2310.0 | 2354.3 |
| 122.5° | 606.8  | 645.9  | 684.9  | 694.6  | 867.9  | 1098.9 | 1214.4 | 1430.0 | 1861.4 | 2184.9 | 2228.7 |
| 125°   | 660.4  | 696.0  | 731.6  | 740.5  | 892.0  | 1094.0 | 1195.0 | 1378.2 | 1744.6 | 2019.4 | 2059.8 |
| 127.5° | 704.0  | 739.8  | 775.8  | 784.7  | 916.1  | 1091.2 | 1178.7 | 1336.0 | 1650.6 | 1886.5 | 1920.5 |
| 130°   | 727.2  | 765.9  | 804.5  | 814.3  | 933.6  | 1092.9 | 1172.5 | 1312.5 | 1592.6 | 1802.6 | 1834.0 |
| 132.5° | 751.3  | 790.0  | 828.6  | 838.4  | 947.9  | 1094.0 | 1167.0 | 1292.4 | 1543.1 | 1731.1 | 1759.2 |
| 135°   | 787.1  | 822.3  | 857.6  | 866.4  | 963.5  | 1093.0 | 1157.7 | 1262.7 | 1472.6 | 1630.1 | 1654.4 |
| 137.5° | 823.6  | 858.4  | 893.4  | 902.1  | 986.8  | 1099.7 | 1156.1 | 1244.8 | 1422.4 | 1555.5 | 1575.4 |
| 140°   | 853.9  | 886.0  | 918.1  | 926.2  | 1001.0 | 1100.8 | 1150.7 | 1227.4 | 1380.7 | 1495.7 | 1514.3 |
| 142.5° | 877.2  | 906.9  | 936.6  | 944.0  | 1012.9 | 1104.7 | 1150.7 | 1218.0 | 1352.7 | 1453.8 | 1469.7 |
| 145°   | 913.0  | 938.9  | 964.8  | 971.3  | 1028.5 | 1104.8 | 1142.9 | 1198.0 | 1308.2 | 1390.8 | 1402.9 |
| 147.5° | 948.7  | 973.9  | 999.1  | 1005.5 | 1051.3 | 1112.4 | 1142.9 | 1186.3 | 1272.9 | 1338.0 | 1347.9 |
| 150°   | 972.0  | 994.8  | 1017.6 | 1023.3 | 1063.2 | 1116.3 | 1142.9 | 1179.5 | 1252.8 | 1307.7 | 1315.8 |
| 152.5° | 996.1  | 1013.4 | 1030.7 | 1035.0 | 1070.9 | 1118.9 | 1142.9 | 1174.2 | 1236.7 | 1283.6 | 1289.8 |
| 155°   | 1031.8 | 1044.6 | 1057.4 | 1060.6 | 1088.0 | 1124.6 | 1142.9 | 1167.8 | 1217.6 | 1254.8 | 1258.8 |
| 157.5° | 1058.2 | 1070.6 | 1083.2 | 1086.2 | 1105.1 | 1130.3 | 1142.9 | 1162.3 | 1200.9 | 1230.0 | 1232.8 |
| 160°   | 1076.2 | 1085.9 | 1095.5 | 1097.9 | 1113.0 | 1132.9 | 1142.9 | 1159.6 | 1192.7 | 1217.6 | 1219.2 |
| 162.5° | 1094.0 | 1101.3 | 1108.6 | 1110.3 | 1121.2 | 1135.7 | 1142.9 | 1156.9 | 1184.9 | 1205.9 | 1207.5 |
| 165°   | 1113.4 | 1120.0 | 1126.5 | 1128.2 | 1133.1 | 1139.7 | 1142.9 | 1152.9 | 1173.0 | 1188.0 | 1189.7 |
| 167.5° | 1131.3 | 1134.3 | 1137.5 | 1138.3 | 1142.4 | 1147.9 | 1150.7 | 1157.2 | 1170.4 | 1180.2 | 1180.9 |
| 170°   | 1142.9 | 1146.0 | 1149.2 | 1149.9 | 1150.2 | 1150.5 | 1150.7 | 1157.2 | 1170.4 | 1180.2 | 1180.2 |
| 172.5° | 1149.2 | 1149.8 | 1150.5 | 1150.7 | 1150.7 | 1150.7 | 1150.7 | 1155.9 | 1166.3 | 1174.0 | 1173.5 |
| 175°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.4 | 1152.3 | 1150.7 | 1154.0 | 1160.5 | 1165.4 | 1165.4 |
| 177.5° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.9 | 1153.5 | 1152.3 | 1154.9 | 1160.0 | 1164.0 | 1163.3 |
| 180°   | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |

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CATALOG NUMBER: SQ4-FB-100U-100D-B50-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 767.7  | 767.7  |
| 2.5°   | 819.5  | 814.5  |
| 5°     | 1053.9 | 1058.9 |
| 7.5°   | 1419.2 | 1416.8 |
| 10°    | 1764.8 | 1787.0 |
| 12.5°  | 2016.6 | 2021.5 |
| 15°    | 2169.6 | 2179.5 |
| 17.5°  | 2228.8 | 2231.3 |
| 20°    | 2231.3 | 2226.4 |
| 22.5°  | 2204.1 | 2199.2 |
| 25°    | 2172.1 | 2169.6 |
| 27.5°  | 2142.4 | 2144.9 |
| 30°    | 2130.1 | 2137.6 |
| 32.5°  | 2130.1 | 2142.4 |
| 35°    | 2135.0 | 2147.4 |
| 37.5°  | 2132.6 | 2147.4 |
| 40°    | 2122.7 | 2140.0 |
| 42.5°  | 2095.5 | 2107.9 |
| 45°    | 2053.6 | 2068.4 |
| 47.5°  | 1999.3 | 2009.1 |
| 50°    | 1930.2 | 1940.0 |
| 52.5°  | 1843.8 | 1846.2 |
| 55°    | 1740.1 | 1750.0 |
| 57.5°  | 1629.1 | 1631.5 |
| 60°    | 1505.6 | 1513.1 |
| 62.5°  | 1374.8 | 1374.8 |
| 65°    | 1236.6 | 1241.6 |
| 67.5°  | 1093.4 | 1105.8 |
| 70°    | 947.8  | 950.3  |
| 72.5°  | 804.6  | 804.6  |
| 75°    | 656.6  | 659.0  |
| 77.5°  | 515.8  | 515.8  |
| 80°    | 382.6  | 385.1  |
| 82.5°  | 264.1  | 269.1  |
| 85°    | 165.4  | 165.4  |
| 87.5°  | 76.5   | 69.1   |
| 90°    | 29.5   | 29.5   |
| 92.5°  | 118.3  | 94.8   |
| 95°    | 412.3  | 341.1  |
| 97.5°  | 987.7  | 852.4  |
| 100°   | 1423.1 | 1261.8 |
| 102.5° | 1851.4 | 1713.2 |
| 105°   | 2397.4 | 2323.1 |
| 107.5° | 2755.1 | 2773.0 |
| 110°   | 2891.5 | 2968.8 |

TEST NUMBER: P937708

CATALOG NUMBER: SQ4-FB-100U-100D-B50-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2903.6 | 3022.4 |
| 115°   | 2826.7 | 2991.4 |
| 117.5° | 2663.4 | 2846.1 |
| 120°   | 2531.9 | 2709.3 |
| 122.5° | 2403.7 | 2578.8 |
| 125°   | 2221.0 | 2382.3 |
| 127.5° | 2056.6 | 2192.7 |
| 130°   | 1959.7 | 2085.4 |
| 132.5° | 1871.8 | 1984.4 |
| 135°   | 1751.4 | 1848.5 |
| 137.5° | 1654.8 | 1734.3 |
| 140°   | 1588.5 | 1662.7 |
| 142.5° | 1533.6 | 1597.5 |
| 145°   | 1451.2 | 1499.5 |
| 147.5° | 1388.0 | 1428.1 |
| 150°   | 1348.2 | 1380.7 |
| 152.5° | 1314.2 | 1338.7 |
| 155°   | 1275.1 | 1291.3 |
| 157.5° | 1244.2 | 1255.6 |
| 160°   | 1225.8 | 1232.3 |
| 162.5° | 1213.6 | 1219.9 |
| 165°   | 1196.3 | 1202.8 |
| 167.5° | 1183.7 | 1186.5 |
| 170°   | 1180.2 | 1180.2 |
| 172.5° | 1171.0 | 1168.6 |
| 175°   | 1165.4 | 1165.4 |
| 177.5° | 1160.5 | 1157.7 |
| 180°   | 1157.7 | 1157.7 |

(END OF REPORT)