

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: P938305

Luminaire Tested: SQ4-FB-150U-050D-B50-1D-UNV-W2A-W-12

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938305  
REPORT IS A COMBINATION OF REPORTS P933621 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-150U-050D-B50-1D-UNV-W2A-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

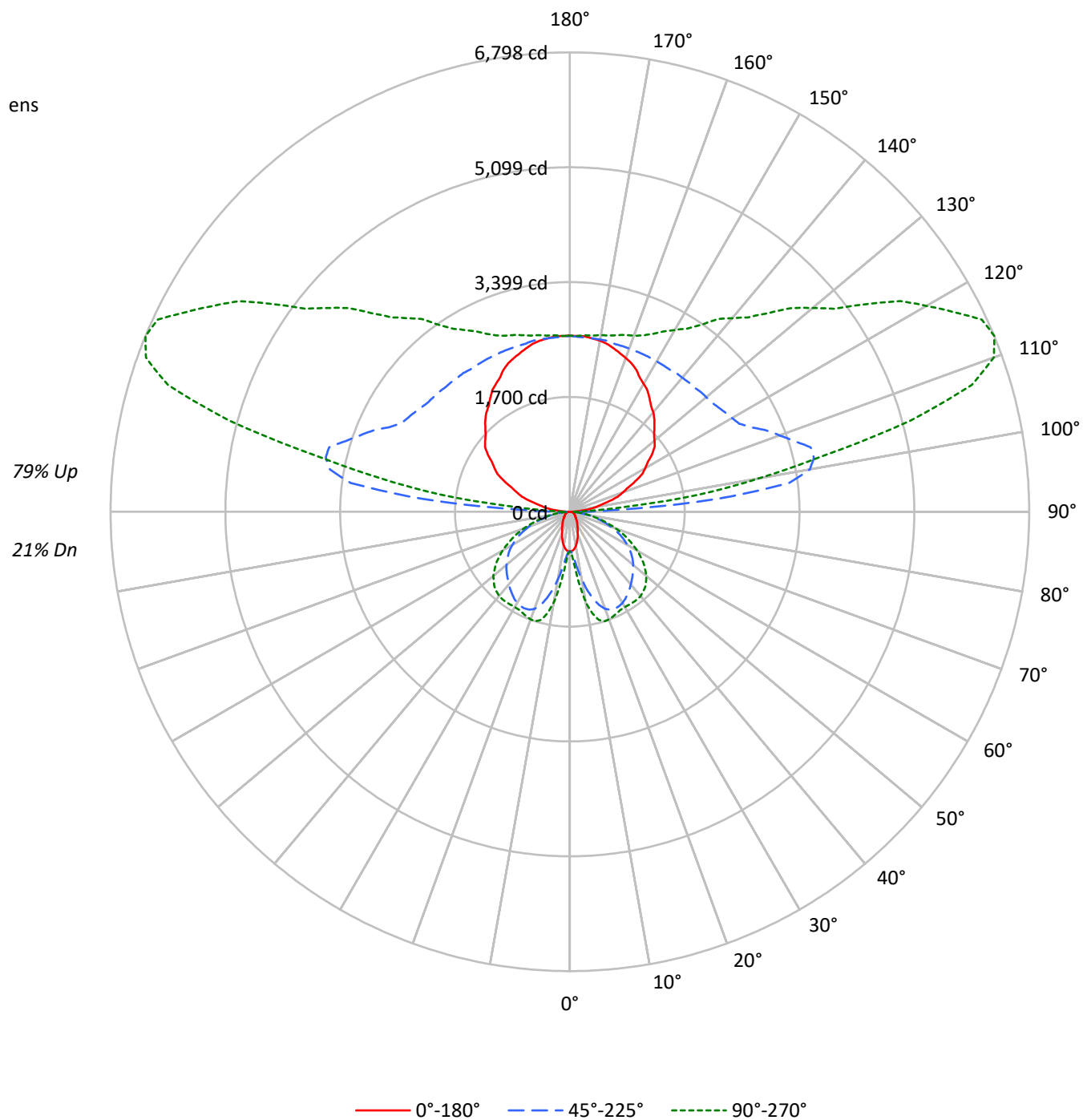
Lumens per Lamp: N/A  
Luminaire Lumens: 21411.9 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 166.8  
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: P938305

CATALOG NUMBER: SQ4-FB-150U-050D-B50-1D-UNV-W2A-W-12

### Luminous Intensity Polar Plot



TEST NUMBER: P938305

CATALOG NUMBER: SQ4-FB-150U-050D-B50-1D-UNV-W2A-W-12

**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 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 100 | 100 | 100 | 100 | 89 | 89 | 89 | 89 | 67 | 67 | 67 | 48 | 48 | 48 | 30 | 30 | 30 | 21 |    |    |
| 1   | 91  | 87  | 83  | 80  | 80 | 77 | 74 | 71 | 58 | 56 | 54 | 41 | 40 | 39 | 26 | 25 | 24 | 17 |    |    |
| 2   | 83  | 75  | 70  | 65  | 73 | 67 | 62 | 58 | 51 | 48 | 45 | 36 | 34 | 32 | 22 | 21 | 20 | 14 |    |    |
| 3   | 75  | 66  | 59  | 53  | 66 | 59 | 53 | 48 | 45 | 40 | 37 | 32 | 29 | 27 | 20 | 18 | 17 | 12 |    |    |
| 4   | 69  | 58  | 50  | 45  | 60 | 52 | 45 | 40 | 39 | 35 | 31 | 28 | 25 | 23 | 17 | 16 | 14 | 10 |    |    |
| 5   | 63  | 51  | 44  | 38  | 55 | 46 | 39 | 34 | 35 | 30 | 27 | 25 | 22 | 19 | 15 | 14 | 12 | 8  |    |    |
| 6   | 57  | 46  | 38  | 32  | 51 | 41 | 34 | 29 | 31 | 26 | 23 | 22 | 19 | 17 | 14 | 12 | 11 | 7  |    |    |
| 7   | 53  | 41  | 33  | 28  | 47 | 37 | 30 | 25 | 28 | 23 | 20 | 20 | 17 | 14 | 12 | 11 | 9  | 6  |    |    |
| 8   | 49  | 37  | 30  | 24  | 43 | 33 | 27 | 22 | 25 | 21 | 17 | 18 | 15 | 13 | 11 | 9  | 8  | 5  |    |    |
| 9   | 45  | 34  | 26  | 21  | 40 | 30 | 24 | 19 | 23 | 18 | 15 | 16 | 13 | 11 | 10 | 9  | 7  | 5  |    |    |
| 10  | 42  | 31  | 24  | 19  | 37 | 27 | 21 | 17 | 21 | 17 | 14 | 15 | 12 | 10 | 10 | 8  | 6  | 4  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1808 | 1808 | 1808 |
| 5°  | 1767 | 2090 | 2430 |
| 10° | 1603 | 3047 | 4029 |
| 15° | 1363 | 3982 | 4864 |
| 20° | 1110 | 4616 | 4958 |
| 25° | 926  | 4831 | 4857 |
| 30° | 782  | 4863 | 4848 |
| 35° | 691  | 4784 | 4973 |
| 40° | 603  | 4680 | 5103 |
| 45° | 546  | 4605 | 5123 |
| 50° | 502  | 4537 | 5038 |
| 55° | 481  | 4437 | 4814 |
| 60° | 493  | 4244 | 4462 |
| 65° | 514  | 3950 | 3977 |
| 70° | 548  | 3448 | 3360 |
| 75° | 610  | 2813 | 2622 |
| 80° | 672  | 1954 | 1767 |
| 85° | 609  | 1038 | 904  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6495 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 75.6    | 0.4       |
| 10°-20°   | 335.1   | 1.6       |
| 20°-30°   | 586.1   | 2.7       |
| 30°-40°   | 754.5   | 3.5       |
| 40°-50°   | 842.7   | 3.9       |
| 50°-60°   | 807.2   | 3.8       |
| 60°-70°   | 639.7   | 3.0       |
| 70°-80°   | 376.1   | 1.8       |
| 80°-90°   | 114.4   | 0.5       |
| 90°-100°  | 1269.3  | 5.9       |
| 100°-110° | 3337.1  | 15.6      |
| 110°-120° | 3460.2  | 16.2      |
| 120°-130° | 2775.5  | 13.0      |
| 130°-140° | 2177.8  | 10.2      |
| 140°-150° | 1671.5  | 7.8       |
| 150°-160° | 1203.8  | 5.6       |
| 160°-170° | 736.5   | 3.4       |
| 170°-180° | 248.8   | 1.2       |
| 0°-30°    | 996.8   | 4.7       |
| 0°-40°    | 1751.3  | 8.2       |
| 0°-60°    | 3401.2  | 15.9      |
| 0°-90°    | 4531.4  | 21.2      |
| 90°-120°  | 8066.6  | 37.7      |
| 90°-150°  | 14691.3 | 68.6      |
| 90°-180°  | 16880.0 | 78.8      |
| 0°-180°   | 21411.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 584  | 584   | 584  | 584   | 584  |      |
| 5°   | 570  | 611   | 688  | 778   | 806  | 53   |
| 15°  | 427  | 788   | 1327 | 1609  | 1659 | 119  |
| 25°  | 272  | 893   | 1580 | 1650  | 1652 | 126  |
| 35°  | 184  | 853   | 1488 | 1573  | 1635 | 115  |
| 45°  | 126  | 680   | 1316 | 1507  | 1575 | 97   |
| 55°  | 90   | 432   | 1116 | 1297  | 1332 | 82   |
| 65°  | 72   | 229   | 829  | 932   | 945  | 71   |
| 75°  | 53   | 141   | 455  | 500   | 502  | 55   |
| 85°  | 19   | 43    | 113  | 124   | 126  | 20   |
| 90°  | 18   | 49    | 133  | 66    | 66   | 16   |
| 95°  | 168  | 657   | 2186 | 1127  | 767  | 186  |
| 105° | 601  | 911   | 3689 | 5601  | 5225 | 637  |
| 115° | 1068 | 1297  | 2955 | 5895  | 6728 | 1055 |
| 125° | 1486 | 1666  | 2688 | 4542  | 5358 | 1319 |
| 135° | 1770 | 1949  | 2604 | 3666  | 4158 | 1370 |
| 145° | 2054 | 2184  | 2571 | 3128  | 3373 | 1286 |
| 155° | 2321 | 2386  | 2571 | 2822  | 2905 | 1066 |
| 165° | 2504 | 2538  | 2571 | 2672  | 2705 | 707  |
| 175° | 2604 | 2604  | 2588 | 2622  | 2622 | 247  |
| 180° | 2604 | 2604  | 2604 | 2604  | 2604 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 584.5 | 584.5 | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  |
| 2.5°   | 584.5 | 584.5 | 588.2  | 590.1  | 593.8  | 595.7  | 599.5  | 603.3  | 614.6  | 616.4  | 620.2  |
| 5°     | 569.5 | 576.9 | 601.4  | 610.7  | 637.1  | 672.8  | 687.8  | 712.3  | 763.0  | 778.0  | 787.5  |
| 7.5°   | 546.9 | 563.8 | 623.9  | 638.9  | 704.8  | 798.8  | 838.2  | 890.8  | 971.6  | 1011.1 | 1043.0 |
| 10°    | 511.2 | 546.9 | 654.0  | 689.8  | 796.8  | 939.7  | 1012.9 | 1086.2 | 1208.4 | 1263.0 | 1283.6 |
| 12.5°  | 471.7 | 530.0 | 685.9  | 734.8  | 888.9  | 1097.5 | 1185.9 | 1266.7 | 1405.8 | 1479.1 | 1490.3 |
| 15°    | 426.7 | 505.6 | 716.0  | 787.5  | 986.7  | 1229.1 | 1326.8 | 1426.4 | 1556.1 | 1608.7 | 1621.9 |
| 17.5°  | 387.1 | 486.7 | 744.2  | 819.4  | 1061.9 | 1347.5 | 1447.0 | 1529.8 | 1635.1 | 1670.7 | 1680.2 |
| 20°    | 338.3 | 456.7 | 763.0  | 860.8  | 1140.8 | 1434.0 | 1529.8 | 1593.7 | 1665.1 | 1687.6 | 1691.4 |
| 22.5°  | 302.6 | 424.7 | 774.3  | 875.8  | 1193.4 | 1486.6 | 1567.3 | 1618.2 | 1667.0 | 1674.5 | 1676.3 |
| 25°    | 272.5 | 389.0 | 772.4  | 892.7  | 1238.5 | 1518.5 | 1580.5 | 1618.2 | 1646.3 | 1650.1 | 1650.1 |
| 27.5°  | 244.3 | 349.6 | 764.9  | 896.5  | 1272.3 | 1526.1 | 1574.9 | 1601.2 | 1614.3 | 1621.9 | 1621.9 |
| 30°    | 219.9 | 312.0 | 746.1  | 888.9  | 1287.3 | 1518.5 | 1558.0 | 1571.2 | 1584.3 | 1595.6 | 1601.2 |
| 32.5°  | 201.1 | 276.3 | 717.9  | 873.9  | 1289.2 | 1499.7 | 1527.9 | 1535.4 | 1554.2 | 1580.5 | 1589.9 |
| 35°    | 184.2 | 240.6 | 685.9  | 853.2  | 1278.0 | 1469.6 | 1488.4 | 1496.0 | 1533.5 | 1573.0 | 1586.1 |
| 37.5°  | 167.3 | 214.3 | 644.6  | 817.5  | 1261.0 | 1434.0 | 1447.0 | 1460.2 | 1518.5 | 1565.5 | 1580.5 |
| 40°    | 150.4 | 191.7 | 595.7  | 778.0  | 1234.7 | 1390.7 | 1402.0 | 1422.7 | 1499.7 | 1554.2 | 1569.2 |
| 42.5°  | 137.2 | 172.9 | 543.1  | 736.7  | 1200.9 | 1341.9 | 1358.8 | 1388.9 | 1477.1 | 1535.4 | 1552.3 |
| 45°    | 125.9 | 154.1 | 486.7  | 680.3  | 1157.7 | 1291.1 | 1315.5 | 1356.9 | 1450.9 | 1507.2 | 1522.2 |
| 47.5°  | 114.6 | 140.9 | 428.5  | 622.0  | 1110.7 | 1240.4 | 1272.3 | 1319.3 | 1415.1 | 1469.6 | 1482.8 |
| 50°    | 105.3 | 127.8 | 370.2  | 560.0  | 1059.9 | 1185.9 | 1223.4 | 1272.3 | 1370.1 | 1420.8 | 1437.7 |
| 52.5°  | 97.7  | 116.6 | 315.7  | 498.0  | 1001.7 | 1129.5 | 1172.7 | 1223.4 | 1315.5 | 1364.4 | 1375.7 |
| 55°    | 90.2  | 107.1 | 268.7  | 432.3  | 941.6  | 1069.3 | 1116.3 | 1165.2 | 1255.4 | 1296.8 | 1304.2 |
| 57.5°  | 86.5  | 99.6  | 229.3  | 370.2  | 877.7  | 1001.7 | 1054.3 | 1099.4 | 1183.9 | 1216.0 | 1223.4 |
| 60°    | 80.8  | 94.0  | 199.2  | 317.7  | 808.1  | 937.8  | 982.9  | 1028.0 | 1099.4 | 1125.8 | 1131.4 |
| 62.5°  | 75.2  | 90.2  | 176.6  | 266.8  | 736.7  | 862.6  | 907.8  | 949.0  | 1009.2 | 1028.0 | 1035.5 |
| 65°    | 71.5  | 86.5  | 159.7  | 229.3  | 663.4  | 783.7  | 828.8  | 864.5  | 913.4  | 932.1  | 935.9  |
| 67.5°  | 67.6  | 82.7  | 146.5  | 197.4  | 590.1  | 704.8  | 738.6  | 772.4  | 810.0  | 828.8  | 830.7  |
| 70°    | 62.0  | 78.9  | 135.3  | 174.8  | 514.9  | 614.6  | 642.8  | 678.5  | 708.5  | 717.9  | 723.6  |
| 72.5°  | 58.3  | 73.3  | 127.8  | 157.8  | 437.9  | 528.1  | 554.4  | 575.1  | 601.4  | 610.7  | 610.7  |
| 75°    | 52.6  | 65.8  | 120.3  | 140.9  | 358.9  | 432.3  | 454.8  | 475.5  | 496.1  | 499.9  | 494.3  |
| 77.5°  | 47.0  | 58.3  | 103.4  | 118.4  | 280.0  | 342.0  | 360.8  | 372.1  | 389.0  | 392.7  | 394.6  |
| 80°    | 39.5  | 50.7  | 80.8   | 92.1   | 203.0  | 251.8  | 265.0  | 274.4  | 289.4  | 289.4  | 293.2  |
| 82.5°  | 30.1  | 39.5  | 58.3   | 65.8   | 137.2  | 172.9  | 184.2  | 189.8  | 199.2  | 199.2  | 199.2  |
| 85°    | 18.8  | 24.5  | 37.5   | 43.2   | 82.7   | 105.3  | 112.7  | 114.6  | 122.2  | 124.0  | 124.0  |
| 87.5°  | 9.4   | 13.2  | 24.5   | 26.3   | 43.2   | 54.5   | 54.5   | 58.3   | 58.3   | 56.4   | 54.5   |
| 90°    | 17.5  | 31.5  | 45.5   | 48.9   | 76.9   | 114.1  | 132.8  | 118.1  | 88.5   | 66.4   | 66.4   |
| 92.5°  | 69.9  | 188.7 | 307.6  | 337.3  | 474.2  | 656.7  | 747.9  | 655.5  | 470.6  | 332.0  | 318.9  |
| 95°    | 167.7 | 385.2 | 602.7  | 657.1  | 1166.8 | 1846.5 | 2186.3 | 1950.9 | 1480.3 | 1127.2 | 1087.3 |
| 97.5°  | 290.1 | 481.9 | 673.8  | 721.8  | 1571.7 | 2705.0 | 3271.5 | 3122.8 | 2825.4 | 2602.2 | 2526.1 |
| 100°   | 384.4 | 558.4 | 732.4  | 776.0  | 1719.1 | 2976.6 | 3605.3 | 3616.2 | 3637.9 | 3654.3 | 3563.6 |
| 102.5° | 464.9 | 627.2 | 789.5  | 830.1  | 1786.6 | 3062.0 | 3699.8 | 3889.3 | 4268.3 | 4552.6 | 4474.9 |
| 105°   | 601.2 | 738.7 | 876.2  | 910.6  | 1836.8 | 3071.7 | 3689.2 | 4114.1 | 4963.8 | 5601.1 | 5559.4 |
| 107.5° | 741.0 | 869.2 | 997.3  | 1029.4 | 1846.1 | 2935.0 | 3479.5 | 4072.1 | 5257.4 | 6146.4 | 6156.5 |
| 110°   | 835.4 | 951.1 | 1066.8 | 1095.8 | 1832.1 | 2813.9 | 3304.8 | 3967.4 | 5292.4 | 6286.2 | 6329.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 928.0  | 1038.3 | 1148.6 | 1176.2 | 1832.7 | 2708.0 | 3145.7 | 3823.8 | 5180.0 | 6197.1 | 6263.9 |
| 115°   | 1067.8 | 1169.6 | 1271.4 | 1296.8 | 1849.6 | 2586.7 | 2955.3 | 3608.5 | 4914.9 | 5894.8 | 5987.4 |
| 117.5° | 1205.9 | 1298.3 | 1390.7 | 1413.8 | 1883.9 | 2510.7 | 2824.1 | 3413.7 | 4592.8 | 5477.1 | 5579.8 |
| 120°   | 1286.2 | 1373.3 | 1460.2 | 1482.0 | 1911.9 | 2485.1 | 2771.7 | 3310.4 | 4387.7 | 5195.7 | 5295.5 |
| 122.5° | 1364.9 | 1452.7 | 1540.4 | 1562.4 | 1952.2 | 2471.7 | 2731.6 | 3216.6 | 4186.7 | 4914.3 | 5012.8 |
| 125°   | 1485.5 | 1565.5 | 1645.5 | 1665.5 | 2006.3 | 2460.7 | 2687.9 | 3099.9 | 3924.0 | 4542.0 | 4632.7 |
| 127.5° | 1583.3 | 1664.1 | 1744.9 | 1765.1 | 2060.4 | 2454.3 | 2651.2 | 3005.0 | 3712.6 | 4243.3 | 4319.8 |
| 130°   | 1635.8 | 1722.8 | 1809.7 | 1831.5 | 2100.0 | 2458.1 | 2637.1 | 2952.1 | 3582.1 | 4054.5 | 4125.2 |
| 132.5° | 1690.0 | 1776.9 | 1863.9 | 1885.7 | 2132.0 | 2460.6 | 2624.9 | 2906.9 | 3470.8 | 3893.8 | 3957.1 |
| 135°   | 1770.3 | 1849.5 | 1928.8 | 1948.6 | 2167.1 | 2458.4 | 2604.0 | 2840.1 | 3312.3 | 3666.5 | 3721.1 |
| 137.5° | 1852.5 | 1931.0 | 2009.4 | 2029.0 | 2219.5 | 2473.4 | 2600.4 | 2800.0 | 3199.3 | 3498.8 | 3543.4 |
| 140°   | 1920.7 | 1992.9 | 2065.2 | 2083.2 | 2251.5 | 2475.9 | 2588.2 | 2760.6 | 3105.6 | 3364.2 | 3405.9 |
| 142.5° | 1973.1 | 2039.9 | 2106.6 | 2123.4 | 2278.3 | 2484.9 | 2588.2 | 2739.7 | 3042.6 | 3269.8 | 3305.8 |
| 145°   | 2053.5 | 2111.8 | 2170.0 | 2184.5 | 2313.2 | 2484.9 | 2570.7 | 2694.6 | 2942.4 | 3128.2 | 3155.4 |
| 147.5° | 2133.8 | 2190.5 | 2247.2 | 2261.4 | 2364.5 | 2502.0 | 2570.7 | 2668.3 | 2863.2 | 3009.4 | 3032.0 |
| 150°   | 2186.3 | 2237.6 | 2288.9 | 2301.7 | 2391.3 | 2511.0 | 2570.7 | 2653.1 | 2817.8 | 2941.3 | 2959.5 |
| 152.5° | 2240.5 | 2279.3 | 2318.1 | 2327.8 | 2408.8 | 2516.8 | 2570.7 | 2641.1 | 2781.6 | 2887.1 | 2900.9 |
| 155°   | 2320.9 | 2349.7 | 2378.3 | 2385.5 | 2447.3 | 2529.6 | 2570.7 | 2626.7 | 2738.6 | 2822.5 | 2831.6 |
| 157.5° | 2380.3 | 2408.2 | 2436.2 | 2443.2 | 2485.7 | 2542.3 | 2570.7 | 2614.3 | 2701.2 | 2766.5 | 2773.0 |
| 160°   | 2420.5 | 2442.2 | 2464.0 | 2469.4 | 2503.2 | 2548.2 | 2570.7 | 2608.0 | 2682.5 | 2738.5 | 2742.2 |
| 162.5° | 2460.6 | 2477.0 | 2493.2 | 2497.3 | 2521.8 | 2554.4 | 2570.7 | 2602.2 | 2665.2 | 2712.3 | 2715.8 |
| 165°   | 2504.3 | 2519.1 | 2533.8 | 2537.6 | 2548.6 | 2563.4 | 2570.7 | 2593.3 | 2638.3 | 2672.1 | 2675.8 |
| 167.5° | 2544.6 | 2551.6 | 2558.5 | 2560.3 | 2569.6 | 2582.0 | 2588.2 | 2603.0 | 2632.5 | 2654.6 | 2656.2 |
| 170°   | 2570.7 | 2577.7 | 2584.8 | 2586.5 | 2587.1 | 2587.8 | 2588.2 | 2603.0 | 2632.5 | 2654.6 | 2654.6 |
| 172.5° | 2584.8 | 2586.2 | 2587.8 | 2588.2 | 2588.2 | 2588.2 | 2588.2 | 2599.9 | 2623.2 | 2640.7 | 2639.3 |
| 175°   | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2598.8 | 2591.8 | 2588.2 | 2595.6 | 2610.3 | 2621.5 | 2621.5 |
| 177.5° | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2599.9 | 2594.5 | 2591.8 | 2597.5 | 2609.2 | 2617.9 | 2616.3 |
| 180°   | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2604.0 | 2604.0 |

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CATALOG NUMBER: SQ4-FB-150U-050D-B50-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 584.5  | 584.5  |
| 2.5°   | 623.9  | 620.2  |
| 5°     | 802.5  | 806.2  |
| 7.5°   | 1080.6 | 1078.8 |
| 10°    | 1343.7 | 1360.7 |
| 12.5°  | 1535.4 | 1539.1 |
| 15°    | 1652.0 | 1659.4 |
| 17.5°  | 1697.1 | 1698.9 |
| 20°    | 1698.9 | 1695.2 |
| 22.5°  | 1678.2 | 1674.5 |
| 25°    | 1653.8 | 1652.0 |
| 27.5°  | 1631.2 | 1633.2 |
| 30°    | 1621.9 | 1627.5 |
| 32.5°  | 1621.9 | 1631.2 |
| 35°    | 1625.6 | 1635.1 |
| 37.5°  | 1623.8 | 1635.1 |
| 40°    | 1616.2 | 1629.4 |
| 42.5°  | 1595.6 | 1605.0 |
| 45°    | 1563.6 | 1574.9 |
| 47.5°  | 1522.2 | 1529.8 |
| 50°    | 1469.6 | 1477.1 |
| 52.5°  | 1403.9 | 1405.8 |
| 55°    | 1325.0 | 1332.4 |
| 57.5°  | 1240.4 | 1242.2 |
| 60°    | 1146.4 | 1152.0 |
| 62.5°  | 1046.8 | 1046.8 |
| 65°    | 941.6  | 945.3  |
| 67.5°  | 832.6  | 841.9  |
| 70°    | 721.7  | 723.6  |
| 72.5°  | 612.7  | 612.7  |
| 75°    | 499.9  | 501.7  |
| 77.5°  | 392.7  | 392.7  |
| 80°    | 291.3  | 293.2  |
| 82.5°  | 201.1  | 204.8  |
| 85°    | 125.9  | 125.9  |
| 87.5°  | 58.3   | 52.6   |
| 90°    | 66.4   | 66.4   |
| 92.5°  | 266.0  | 213.2  |
| 95°    | 927.2  | 767.2  |
| 97.5°  | 2221.6 | 1917.1 |
| 100°   | 3200.9 | 2838.1 |
| 102.5° | 4164.2 | 3853.5 |
| 105°   | 5392.4 | 5225.4 |
| 107.5° | 6196.9 | 6237.3 |
| 110°   | 6503.7 | 6677.7 |

TEST NUMBER: P938305

CATALOG NUMBER: SQ4-FB-150U-050D-B50-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 6531.1 | 6798.3 |
| 115°   | 6357.8 | 6728.3 |
| 117.5° | 5990.7 | 6401.5 |
| 120°   | 5694.7 | 6094.0 |
| 122.5° | 5406.6 | 5800.4 |
| 125°   | 4995.5 | 5358.3 |
| 127.5° | 4625.8 | 4931.8 |
| 130°   | 4407.9 | 4690.6 |
| 132.5° | 4210.2 | 4463.4 |
| 135°   | 3939.3 | 4157.6 |
| 137.5° | 3722.1 | 3900.7 |
| 140°   | 3572.9 | 3739.9 |
| 142.5° | 3449.4 | 3593.1 |
| 145°   | 3264.2 | 3373.0 |
| 147.5° | 3122.1 | 3212.1 |
| 150°   | 3032.5 | 3105.6 |
| 152.5° | 2956.0 | 3011.1 |
| 155°   | 2868.0 | 2904.6 |
| 157.5° | 2798.5 | 2824.1 |
| 160°   | 2757.0 | 2771.7 |
| 162.5° | 2729.8 | 2743.8 |
| 165°   | 2690.6 | 2705.3 |
| 167.5° | 2662.4 | 2668.6 |
| 170°   | 2654.6 | 2654.6 |
| 172.5° | 2633.9 | 2628.5 |
| 175°   | 2621.5 | 2621.5 |
| 177.5° | 2610.2 | 2604.0 |
| 180°   | 2604.0 | 2604.0 |

(END OF REPORT)