

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P936941

Luminaire Tested: SQ4-FB-050U-125D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

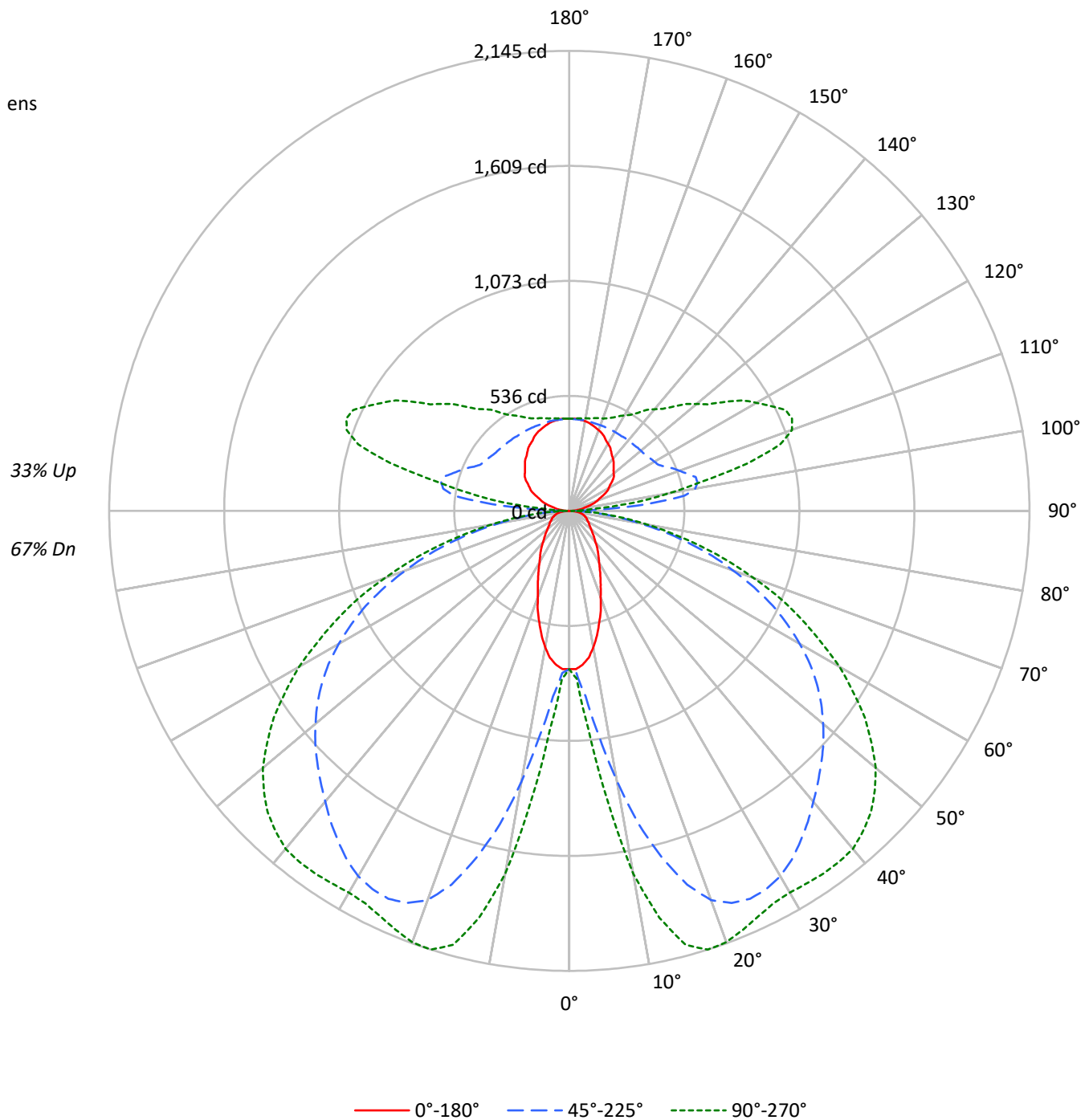
Test Method: LM-79-2019  
Report Number: P936941  
REPORT IS A COMBINATION OF REPORTS P933480 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-050U-125D-92765-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8501.2 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 84  
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: P936941  
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### Luminous Intensity Polar Plot





TEST NUMBER: P936941

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |    |    | 0  |    |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 82 | 82 | 82 | 72 | 72 | 72 | 67 | 67 | 67 | 67 |
| 1   | 101 | 96  | 92  | 88  | 95  | 91  | 87  | 83  | 80 | 78 | 75 | 71 | 69 | 67 | 62 | 61 | 59 | 55 | 55 | 55 | 55 |
| 2   | 91  | 83  | 76  | 71  | 86  | 78  | 72  | 67  | 70 | 65 | 61 | 61 | 58 | 55 | 54 | 51 | 49 | 45 | 45 | 45 | 45 |
| 3   | 83  | 72  | 64  | 58  | 77  | 68  | 61  | 55  | 61 | 55 | 50 | 54 | 49 | 45 | 47 | 44 | 41 | 37 | 37 | 37 | 37 |
| 4   | 75  | 64  | 55  | 48  | 70  | 60  | 52  | 46  | 53 | 47 | 42 | 47 | 42 | 38 | 42 | 38 | 34 | 31 | 31 | 31 | 31 |
| 5   | 69  | 56  | 47  | 41  | 64  | 53  | 45  | 39  | 47 | 41 | 36 | 42 | 37 | 32 | 37 | 33 | 29 | 26 | 26 | 26 | 26 |
| 6   | 63  | 50  | 41  | 35  | 59  | 47  | 39  | 34  | 42 | 36 | 31 | 38 | 32 | 28 | 33 | 29 | 25 | 23 | 23 | 23 | 23 |
| 7   | 58  | 45  | 36  | 30  | 55  | 43  | 35  | 29  | 38 | 32 | 27 | 34 | 29 | 24 | 30 | 26 | 22 | 20 | 20 | 20 | 20 |
| 8   | 54  | 41  | 32  | 27  | 51  | 39  | 31  | 26  | 35 | 28 | 24 | 31 | 26 | 22 | 27 | 23 | 20 | 17 | 17 | 17 | 17 |
| 9   | 50  | 37  | 29  | 24  | 47  | 35  | 28  | 23  | 32 | 25 | 21 | 28 | 23 | 19 | 25 | 21 | 17 | 15 | 15 | 15 | 15 |
| 10  | 47  | 34  | 26  | 21  | 44  | 32  | 25  | 20  | 29 | 23 | 19 | 26 | 21 | 17 | 23 | 19 | 16 | 14 | 14 | 14 | 14 |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4565 | 4565  | 4565  |
| 5°  | 4458 | 5274  | 6136  |
| 10° | 4042 | 7687  | 10172 |
| 15° | 3434 | 10040 | 12283 |
| 20° | 2795 | 11632 | 12518 |
| 25° | 2331 | 12169 | 12263 |
| 30° | 1964 | 12243 | 12240 |
| 35° | 1736 | 12036 | 12557 |
| 40° | 1512 | 11769 | 12883 |
| 45° | 1368 | 11572 | 12934 |
| 50° | 1253 | 11394 | 12720 |
| 55° | 1199 | 11135 | 12156 |
| 60° | 1227 | 10641 | 11266 |
| 65° | 1275 | 9893  | 10042 |
| 70° | 1354 | 8621  | 8484  |
| 75° | 1496 | 7024  | 6621  |
| 80° | 1621 | 4865  | 4461  |
| 85° | 1413 | 2577  | 2284  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 12934 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.4   | 1.1       |
| 10°-20°   | 423.0  | 5.0       |
| 20°-30°   | 739.9  | 8.7       |
| 30°-40°   | 952.5  | 11.2      |
| 40°-50°   | 1063.9 | 12.5      |
| 50°-60°   | 1019.0 | 12.0      |
| 60°-70°   | 807.6  | 9.5       |
| 70°-80°   | 474.9  | 5.6       |
| 80°-90°   | 133.6  | 1.6       |
| 90°-100°  | 209.9  | 2.5       |
| 100°-110° | 551.8  | 6.5       |
| 110°-120° | 572.2  | 6.7       |
| 120°-130° | 458.9  | 5.4       |
| 130°-140° | 360.1  | 4.2       |
| 140°-150° | 276.4  | 3.3       |
| 150°-160° | 199.1  | 2.3       |
| 160°-170° | 121.8  | 1.4       |
| 170°-180° | 41.1   | 0.5       |
| 0°-30°    | 1258.4 | 14.8      |
| 0°-40°    | 2211.0 | 26.0      |
| 0°-60°    | 4293.9 | 50.5      |
| 0°-90°    | 5709.9 | 67.2      |
| 90°-120°  | 1333.8 | 15.7      |
| 90°-150°  | 2429.3 | 28.6      |
| 90°-180°  | 2791.0 | 32.8      |
| 0°-180°   | 8501.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 738 | 738   | 738  | 738   | 738  |      |
| 5°   | 719 | 771   | 868  | 982   | 1018 | 66   |
| 15°  | 539 | 994   | 1675 | 2031  | 2095 | 150  |
| 25°  | 344 | 1127  | 1995 | 2083  | 2086 | 158  |
| 35°  | 233 | 1077  | 1879 | 1986  | 2064 | 145  |
| 45°  | 159 | 859   | 1661 | 1903  | 1988 | 123  |
| 55°  | 114 | 546   | 1409 | 1637  | 1682 | 104  |
| 65°  | 90  | 290   | 1046 | 1177  | 1193 | 89   |
| 75°  | 66  | 178   | 574  | 631   | 634  | 70   |
| 85°  | 24  | 55    | 142  | 157   | 159  | 25   |
| 90°  | 3   | 8     | 22   | 11    | 11   | 4    |
| 95°  | 28  | 109   | 362  | 186   | 127  | 31   |
| 105° | 100 | 151   | 610  | 926   | 864  | 105  |
| 115° | 177 | 214   | 489  | 975   | 1113 | 174  |
| 125° | 246 | 275   | 444  | 751   | 886  | 218  |
| 135° | 293 | 322   | 431  | 606   | 688  | 226  |
| 145° | 340 | 361   | 425  | 517   | 558  | 213  |
| 155° | 384 | 394   | 425  | 467   | 480  | 176  |
| 165° | 414 | 420   | 425  | 442   | 447  | 117  |
| 175° | 431 | 431   | 428  | 433   | 433  | 41   |
| 180° | 431 | 431   | 431  | 431   | 431  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 737.9 | 737.9 | 737.9 | 737.9  | 737.9  | 737.9  | 737.9  | 737.9  | 737.9  | 737.9  | 737.9  |
| 2.5°   | 737.9 | 737.9 | 742.6 | 745.0  | 749.7  | 752.2  | 756.8  | 761.6  | 775.8  | 778.2  | 783.0  |
| 5°     | 718.9 | 728.4 | 759.3 | 771.1  | 804.3  | 849.4  | 868.3  | 899.2  | 963.3  | 982.3  | 994.2  |
| 7.5°   | 690.5 | 711.8 | 787.7 | 806.7  | 889.7  | 1008.4 | 1058.2 | 1124.6 | 1226.6 | 1276.4 | 1316.8 |
| 10°    | 645.3 | 690.5 | 825.6 | 870.8  | 1006.0 | 1186.3 | 1278.9 | 1371.4 | 1525.6 | 1594.4 | 1620.5 |
| 12.5°  | 595.5 | 669.1 | 866.0 | 927.7  | 1122.2 | 1385.6 | 1497.1 | 1599.1 | 1774.7 | 1867.3 | 1881.5 |
| 15°    | 538.6 | 638.2 | 904.0 | 994.2  | 1245.6 | 1551.7 | 1675.1 | 1800.8 | 1964.6 | 2030.9 | 2047.6 |
| 17.5°  | 488.8 | 614.5 | 939.6 | 1034.4 | 1340.6 | 1701.2 | 1826.9 | 1931.3 | 2064.2 | 2109.3 | 2121.1 |
| 20°    | 427.1 | 576.5 | 963.3 | 1086.7 | 1440.2 | 1810.3 | 1931.3 | 2012.0 | 2102.2 | 2130.6 | 2135.3 |
| 22.5°  | 382.0 | 536.2 | 977.5 | 1105.7 | 1506.7 | 1876.7 | 1978.8 | 2042.8 | 2104.5 | 2114.0 | 2116.4 |
| 25°    | 344.1 | 491.1 | 975.2 | 1127.0 | 1563.6 | 1917.1 | 1995.4 | 2042.8 | 2078.4 | 2083.2 | 2083.2 |
| 27.5°  | 308.5 | 441.3 | 965.6 | 1131.7 | 1606.3 | 1926.5 | 1988.2 | 2021.5 | 2038.0 | 2047.6 | 2047.6 |
| 30°    | 277.6 | 393.9 | 941.9 | 1122.2 | 1625.3 | 1917.1 | 1966.9 | 1983.5 | 2000.1 | 2014.4 | 2021.5 |
| 32.5°  | 253.9 | 348.7 | 906.3 | 1103.2 | 1627.6 | 1893.3 | 1929.0 | 1938.4 | 1962.1 | 1995.4 | 2007.2 |
| 35°    | 232.6 | 303.7 | 866.0 | 1077.2 | 1613.4 | 1855.4 | 1879.1 | 1888.6 | 1936.1 | 1985.9 | 2002.5 |
| 37.5°  | 211.2 | 270.5 | 813.8 | 1032.1 | 1592.0 | 1810.3 | 1826.9 | 1843.5 | 1917.1 | 1976.3 | 1995.4 |
| 40°    | 189.8 | 242.0 | 752.2 | 982.3  | 1558.8 | 1755.8 | 1770.0 | 1796.0 | 1893.3 | 1962.1 | 1981.1 |
| 42.5°  | 173.2 | 218.3 | 685.7 | 930.0  | 1516.1 | 1694.1 | 1715.4 | 1753.3 | 1864.8 | 1938.4 | 1959.8 |
| 45°    | 159.0 | 194.5 | 614.5 | 858.9  | 1461.5 | 1629.9 | 1660.8 | 1713.0 | 1831.6 | 1902.9 | 1921.8 |
| 47.5°  | 144.7 | 178.0 | 540.9 | 785.3  | 1402.2 | 1565.9 | 1606.3 | 1665.6 | 1786.6 | 1855.4 | 1872.0 |
| 50°    | 132.8 | 161.3 | 467.4 | 707.0  | 1338.1 | 1497.1 | 1544.6 | 1606.3 | 1729.7 | 1793.7 | 1815.0 |
| 52.5°  | 123.4 | 147.1 | 398.6 | 628.8  | 1264.6 | 1425.9 | 1480.5 | 1544.6 | 1660.8 | 1722.5 | 1736.8 |
| 55°    | 113.8 | 135.3 | 339.3 | 545.7  | 1188.7 | 1350.0 | 1409.3 | 1471.0 | 1584.9 | 1637.1 | 1646.6 |
| 57.5°  | 109.2 | 125.7 | 289.5 | 467.4  | 1108.0 | 1264.6 | 1331.0 | 1387.9 | 1494.8 | 1535.1 | 1544.6 |
| 60°    | 102.0 | 118.6 | 251.5 | 401.0  | 1020.2 | 1183.9 | 1240.9 | 1297.8 | 1387.9 | 1421.2 | 1428.3 |
| 62.5°  | 94.9  | 113.8 | 223.0 | 336.9  | 930.0  | 1089.0 | 1145.9 | 1198.2 | 1274.1 | 1297.8 | 1307.3 |
| 65°    | 90.2  | 109.2 | 201.7 | 289.5  | 837.5  | 989.4  | 1046.3 | 1091.4 | 1153.1 | 1176.8 | 1181.6 |
| 67.5°  | 85.4  | 104.4 | 185.1 | 249.1  | 745.0  | 889.7  | 932.5  | 975.2  | 1022.6 | 1046.3 | 1048.7 |
| 70°    | 78.3  | 99.6  | 170.9 | 220.7  | 650.1  | 775.8  | 811.4  | 856.5  | 894.5  | 906.3  | 913.5  |
| 72.5°  | 73.6  | 92.5  | 161.3 | 199.3  | 552.8  | 666.7  | 699.9  | 726.0  | 759.3  | 771.1  | 771.1  |
| 75°    | 66.5  | 83.0  | 151.9 | 178.0  | 453.1  | 545.7  | 574.2  | 600.3  | 626.3  | 631.1  | 624.0  |
| 77.5°  | 59.4  | 73.6  | 130.5 | 149.5  | 353.5  | 431.8  | 455.6  | 469.8  | 491.1  | 495.9  | 498.3  |
| 80°    | 49.8  | 64.0  | 102.0 | 116.3  | 256.2  | 317.9  | 334.5  | 346.4  | 365.4  | 365.4  | 370.1  |
| 82.5°  | 37.9  | 49.8  | 73.6  | 83.0   | 173.2  | 218.3  | 232.6  | 239.7  | 251.5  | 251.5  | 251.5  |
| 85°    | 23.7  | 30.8  | 47.5  | 54.6   | 104.4  | 132.8  | 142.4  | 144.7  | 154.2  | 156.6  | 156.6  |
| 87.5°  | 11.9  | 16.6  | 30.8  | 33.2   | 54.6   | 68.8   | 68.8   | 73.6   | 73.6   | 71.2   | 68.8   |
| 90°    | 2.9   | 5.2   | 7.6   | 8.1    | 12.7   | 18.9   | 22.0   | 19.5   | 14.6   | 10.9   | 10.9   |
| 92.5°  | 11.6  | 31.2  | 50.8  | 55.8   | 78.4   | 108.6  | 123.7  | 108.3  | 77.8   | 54.9   | 52.7   |
| 95°    | 27.8  | 63.7  | 99.6  | 108.6  | 192.9  | 305.4  | 361.5  | 322.7  | 244.8  | 186.4  | 179.7  |
| 97.5°  | 48.0  | 79.7  | 111.4 | 119.4  | 259.9  | 447.4  | 541.0  | 516.4  | 467.2  | 430.2  | 417.6  |
| 100°   | 63.6  | 92.3  | 121.1 | 128.3  | 284.2  | 492.2  | 596.2  | 597.9  | 601.6  | 604.3  | 589.3  |
| 102.5° | 76.8  | 103.8 | 130.6 | 137.3  | 295.5  | 506.3  | 611.8  | 643.1  | 705.8  | 752.8  | 740.0  |
| 105°   | 99.5  | 122.2 | 144.9 | 150.6  | 303.7  | 507.9  | 610.0  | 680.3  | 820.8  | 926.2  | 919.3  |
| 107.5° | 122.5 | 143.8 | 164.9 | 170.2  | 305.3  | 485.3  | 575.3  | 673.3  | 869.3  | 1016.3 | 1018.0 |
| 110°   | 138.1 | 157.2 | 176.4 | 181.1  | 302.9  | 465.3  | 546.4  | 656.0  | 875.2  | 1039.5 | 1046.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 112.5° | 153.5 | 171.7 | 189.9 | 194.5 | 303.0 | 447.8 | 520.2 | 632.3 | 856.6 | 1024.7 | 1035.7 |
| 115°   | 176.6 | 193.4 | 210.2 | 214.4 | 305.8 | 427.7 | 488.7 | 596.7 | 812.7 | 974.7  | 990.0  |
| 117.5° | 199.4 | 214.7 | 229.9 | 233.8 | 311.5 | 415.2 | 467.0 | 564.5 | 759.4 | 905.6  | 922.6  |
| 120°   | 212.6 | 227.0 | 241.4 | 245.1 | 316.1 | 410.9 | 458.3 | 547.4 | 725.5 | 859.1  | 875.6  |
| 122.5° | 225.7 | 240.2 | 254.7 | 258.4 | 322.8 | 408.7 | 451.6 | 531.8 | 692.3 | 812.6  | 828.9  |
| 125°   | 245.6 | 258.8 | 272.1 | 275.4 | 331.7 | 406.9 | 444.5 | 512.6 | 648.9 | 751.0  | 766.0  |
| 127.5° | 261.8 | 275.2 | 288.5 | 291.9 | 340.7 | 405.8 | 438.4 | 496.9 | 613.8 | 701.6  | 714.2  |
| 130°   | 270.5 | 284.9 | 299.3 | 302.8 | 347.2 | 406.4 | 436.0 | 488.1 | 592.3 | 670.5  | 682.1  |
| 132.5° | 279.5 | 293.9 | 308.3 | 311.8 | 352.6 | 406.9 | 434.1 | 480.7 | 573.9 | 643.8  | 654.3  |
| 135°   | 292.7 | 305.8 | 318.9 | 322.2 | 358.4 | 406.5 | 430.6 | 469.7 | 547.7 | 606.3  | 615.3  |
| 137.5° | 306.3 | 319.3 | 332.2 | 335.5 | 367.0 | 408.9 | 430.0 | 463.0 | 529.0 | 578.5  | 585.9  |
| 140°   | 317.6 | 329.6 | 341.4 | 344.4 | 372.3 | 409.4 | 428.0 | 456.5 | 513.5 | 556.2  | 563.2  |
| 142.5° | 326.2 | 337.2 | 348.3 | 351.1 | 376.7 | 410.9 | 428.0 | 453.1 | 503.1 | 540.6  | 546.6  |
| 145°   | 339.6 | 349.2 | 358.8 | 361.3 | 382.6 | 410.9 | 425.1 | 445.6 | 486.5 | 517.3  | 521.8  |
| 147.5° | 352.9 | 362.2 | 371.6 | 374.0 | 391.0 | 413.7 | 425.1 | 441.2 | 473.4 | 497.6  | 501.4  |
| 150°   | 361.5 | 370.1 | 378.5 | 380.6 | 395.5 | 415.2 | 425.1 | 438.8 | 466.0 | 486.3  | 489.3  |
| 152.5° | 370.4 | 376.9 | 383.3 | 384.9 | 398.3 | 416.1 | 425.1 | 436.7 | 460.0 | 477.4  | 479.6  |
| 155°   | 383.8 | 388.6 | 393.2 | 394.4 | 404.6 | 418.3 | 425.1 | 434.4 | 452.9 | 466.7  | 468.2  |
| 157.5° | 393.6 | 398.2 | 402.9 | 404.0 | 411.0 | 420.4 | 425.1 | 432.3 | 446.7 | 457.4  | 458.5  |
| 160°   | 400.2 | 403.8 | 407.3 | 408.3 | 413.9 | 421.4 | 425.1 | 431.3 | 443.6 | 452.9  | 453.4  |
| 162.5° | 406.9 | 409.6 | 412.3 | 413.0 | 417.0 | 422.4 | 425.1 | 430.3 | 440.7 | 448.5  | 449.0  |
| 165°   | 414.1 | 416.5 | 418.9 | 419.6 | 421.5 | 423.9 | 425.1 | 428.8 | 436.2 | 441.8  | 442.5  |
| 167.5° | 420.7 | 421.8 | 423.0 | 423.3 | 424.9 | 427.0 | 428.0 | 430.4 | 435.3 | 438.9  | 439.2  |
| 170°   | 425.1 | 426.2 | 427.4 | 427.7 | 427.8 | 427.9 | 428.0 | 430.4 | 435.3 | 438.9  | 438.9  |
| 172.5° | 427.4 | 427.7 | 427.9 | 428.0 | 428.0 | 428.0 | 428.0 | 429.9 | 433.7 | 436.6  | 436.4  |
| 175°   | 430.6 | 430.6 | 430.6 | 430.6 | 429.8 | 428.6 | 428.0 | 429.2 | 431.6 | 433.4  | 433.4  |
| 177.5° | 430.6 | 430.6 | 430.6 | 430.6 | 430.0 | 429.0 | 428.6 | 429.5 | 431.5 | 432.9  | 432.6  |
| 180°   | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6  | 430.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 737.9  | 737.9  |
| 2.5°   | 787.7  | 783.0  |
| 5°     | 1013.1 | 1017.9 |
| 7.5°   | 1364.3 | 1361.9 |
| 10°    | 1696.4 | 1717.8 |
| 12.5°  | 1938.4 | 1943.2 |
| 15°    | 2085.5 | 2095.1 |
| 17.5°  | 2142.4 | 2144.9 |
| 20°    | 2144.9 | 2140.1 |
| 22.5°  | 2118.7 | 2114.0 |
| 25°    | 2087.9 | 2085.5 |
| 27.5°  | 2059.4 | 2061.8 |
| 30°    | 2047.6 | 2054.7 |
| 32.5°  | 2047.6 | 2059.4 |
| 35°    | 2052.3 | 2064.2 |
| 37.5°  | 2049.9 | 2064.2 |
| 40°    | 2040.5 | 2057.0 |
| 42.5°  | 2014.4 | 2026.3 |
| 45°    | 1974.0 | 1988.2 |
| 47.5°  | 1921.8 | 1931.3 |
| 50°    | 1855.4 | 1864.8 |
| 52.5°  | 1772.3 | 1774.7 |
| 55°    | 1672.7 | 1682.2 |
| 57.5°  | 1565.9 | 1568.2 |
| 60°    | 1447.3 | 1454.4 |
| 62.5°  | 1321.6 | 1321.6 |
| 65°    | 1188.7 | 1193.4 |
| 67.5°  | 1051.1 | 1062.9 |
| 70°    | 911.1  | 913.5  |
| 72.5°  | 773.5  | 773.5  |
| 75°    | 631.1  | 633.5  |
| 77.5°  | 495.9  | 495.9  |
| 80°    | 367.7  | 370.1  |
| 82.5°  | 253.9  | 258.6  |
| 85°    | 159.0  | 159.0  |
| 87.5°  | 73.6   | 66.5   |
| 90°    | 10.9   | 10.9   |
| 92.5°  | 43.9   | 35.2   |
| 95°    | 153.3  | 126.8  |
| 97.5°  | 367.3  | 317.1  |
| 100°   | 529.3  | 469.3  |
| 102.5° | 688.6  | 637.2  |
| 105°   | 891.7  | 864.0  |
| 107.5° | 1024.6 | 1031.4 |
| 110°   | 1075.4 | 1104.2 |





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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1080.0 | 1124.1 |
| 115°   | 1051.3 | 1112.6 |
| 117.5° | 990.6  | 1058.6 |
| 120°   | 941.6  | 1007.7 |
| 122.5° | 894.0  | 959.1  |
| 125°   | 826.0  | 886.0  |
| 127.5° | 764.9  | 815.5  |
| 130°   | 728.9  | 775.6  |
| 132.5° | 696.2  | 738.0  |
| 135°   | 651.4  | 687.5  |
| 137.5° | 615.5  | 645.0  |
| 140°   | 590.7  | 618.4  |
| 142.5° | 570.4  | 594.1  |
| 145°   | 539.8  | 557.7  |
| 147.5° | 516.2  | 531.1  |
| 150°   | 501.5  | 513.5  |
| 152.5° | 488.8  | 497.9  |
| 155°   | 474.3  | 480.3  |
| 157.5° | 462.8  | 467.0  |
| 160°   | 455.9  | 458.3  |
| 162.5° | 451.4  | 453.7  |
| 165°   | 444.9  | 447.4  |
| 167.5° | 440.2  | 441.3  |
| 170°   | 438.9  | 438.9  |
| 172.5° | 435.5  | 434.6  |
| 175°   | 433.4  | 433.4  |
| 177.5° | 431.6  | 430.6  |
| 180°   | 430.6  | 430.6  |



TEST NUMBER: P936941

CATALOG NUMBER: SQ4-FB-050U-125D-92765-1D-UNV-STD-W-6-5000K

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 7.70             | 8.80  | 8.49  | 9.62  | 10.61 | 20.87          | 21.96 | 21.65 | 22.78 | 23.78 |
|                 | 3H   | 8.43             | 9.41  | 9.22  | 10.24 | 11.27 | 22.72          | 23.71 | 23.52 | 24.53 | 25.56 |
|                 | 4H   | 8.73             | 9.67  | 9.55  | 10.50 | 11.54 | 23.37          | 24.31 | 24.19 | 25.14 | 26.18 |
|                 | 6H   | 9.00             | 9.86  | 9.83  | 10.70 | 11.76 | 23.81          | 24.68 | 24.64 | 25.52 | 26.57 |
|                 | 8H   | 9.07             | 9.90  | 9.91  | 10.76 | 11.81 | 23.94          | 24.76 | 24.77 | 25.62 | 26.67 |
|                 | 12H  | 9.10             | 9.89  | 9.94  | 10.74 | 11.82 | 24.01          | 24.80 | 24.85 | 25.65 | 26.73 |
| 4H              | 2H   | 14.94            | 15.87 | 15.76 | 16.71 | 17.74 | 21.17          | 22.11 | 21.99 | 22.94 | 23.98 |
|                 | 3H   | 16.53            | 17.31 | 17.36 | 18.18 | 19.23 | 23.23          | 24.02 | 24.07 | 24.88 | 25.94 |
|                 | 4H   | 16.63            | 17.35 | 17.48 | 18.21 | 19.29 | 24.01          | 24.72 | 24.85 | 25.59 | 26.67 |
|                 | 6H   | 16.66            | 17.28 | 17.52 | 18.17 | 19.25 | 24.56          | 25.18 | 25.42 | 26.06 | 27.15 |
|                 | 8H   | 16.64            | 17.22 | 17.51 | 18.10 | 19.20 | 24.72          | 25.30 | 25.59 | 26.19 | 27.29 |
|                 | 12H  | 16.61            | 17.13 | 17.50 | 18.04 | 19.14 | 24.82          | 25.35 | 25.71 | 26.25 | 27.36 |
| 8H              | 4H   | 18.09            | 18.68 | 18.96 | 19.56 | 20.66 | 24.09          | 24.67 | 24.95 | 25.55 | 26.65 |
|                 | 6H   | 18.35            | 18.83 | 19.24 | 19.75 | 20.85 | 24.72          | 25.21 | 25.62 | 26.13 | 27.23 |
|                 | 8H   | 18.37            | 18.80 | 19.27 | 19.72 | 20.83 | 24.94          | 25.37 | 25.85 | 26.29 | 27.41 |
|                 | 12H  | 18.35            | 18.73 | 19.26 | 19.64 | 20.81 | 25.10          | 25.48 | 26.01 | 26.39 | 27.55 |
| 12H             | 4H   | 18.25            | 18.77 | 19.14 | 19.68 | 20.78 | 24.05          | 24.58 | 24.94 | 25.48 | 26.58 |
|                 | 6H   | 18.61            | 19.04 | 19.51 | 19.96 | 21.07 | 24.71          | 25.14 | 25.61 | 26.06 | 27.17 |
|                 | 8H   | 18.69            | 19.07 | 19.60 | 19.98 | 21.15 | 24.95          | 25.33 | 25.86 | 26.24 | 27.41 |