

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: P937925

Luminaire Tested: SQ4-FB-125U-075D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937925  
REPORT IS A COMBINATION OF REPORTS P933590 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-075D-92765-1D-UNV-STD-W-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

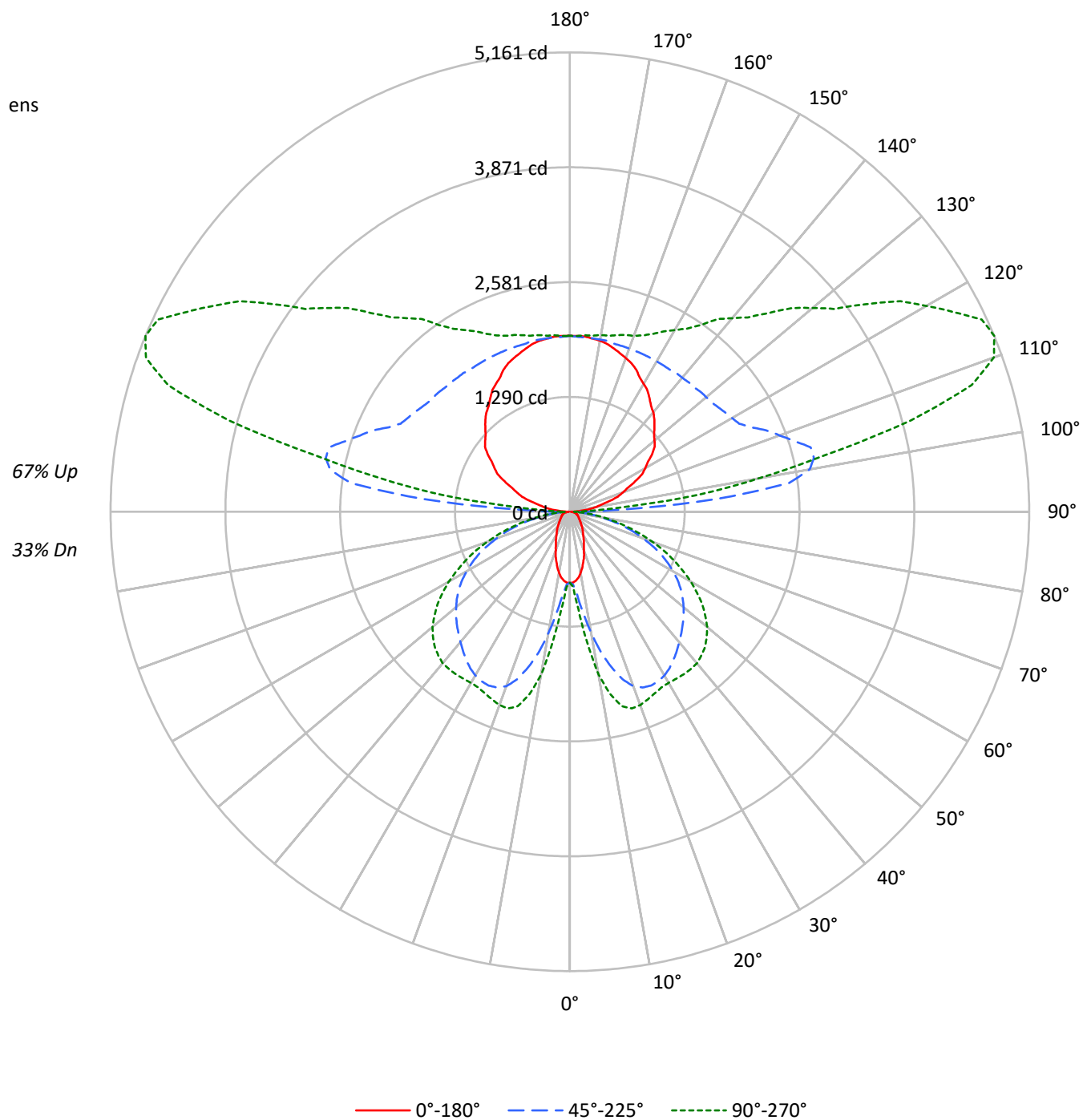
Lumens per Lamp: N/A  
Luminaire Lumens: 18987.2 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect

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

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### Luminous Intensity Polar Plot



TEST NUMBER: P937925

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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 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 56 | 56 | 56 | 40 | 40 | 40 | 33 |    |    |
| 1   | 94  | 89  | 85  | 82  | 84 | 80 | 77 | 74 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |    |    |
| 2   | 85  | 77  | 71  | 66  | 76 | 70 | 65 | 60 | 55 | 52 | 49 | 42 | 40 | 38 | 30 | 29 | 27 | 22 |    |    |
| 3   | 77  | 68  | 60  | 54  | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 31 | 26 | 24 | 23 | 18 |    |    |
| 4   | 70  | 59  | 52  | 46  | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 29 | 26 | 23 | 21 | 19 | 15 |    |    |
| 5   | 64  | 53  | 45  | 39  | 57 | 48 | 41 | 35 | 38 | 33 | 29 | 29 | 25 | 23 | 21 | 18 | 16 | 13 |    |    |
| 6   | 59  | 47  | 39  | 33  | 53 | 42 | 35 | 30 | 34 | 29 | 25 | 26 | 22 | 19 | 19 | 16 | 14 | 11 |    |    |
| 7   | 54  | 42  | 34  | 29  | 49 | 38 | 31 | 26 | 31 | 25 | 22 | 23 | 20 | 17 | 17 | 14 | 12 | 10 |    |    |
| 8   | 50  | 38  | 30  | 25  | 45 | 34 | 28 | 23 | 28 | 23 | 19 | 21 | 18 | 15 | 15 | 13 | 11 | 8  |    |    |
| 9   | 47  | 34  | 27  | 22  | 42 | 31 | 25 | 20 | 25 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 7  |    |    |
| 10  | 43  | 31  | 24  | 19  | 39 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 14 | 12 | 13 | 10 | 9  | 7  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2465 | 2465 | 2465 |
| 5°  | 2409 | 2850 | 3313 |
| 10° | 2186 | 4155 | 5493 |
| 15° | 1859 | 5430 | 6633 |
| 20° | 1513 | 6294 | 6760 |
| 25° | 1263 | 6588 | 6622 |
| 30° | 1066 | 6631 | 6610 |
| 35° | 943  | 6523 | 6781 |
| 40° | 822  | 6381 | 6958 |
| 45° | 745  | 6279 | 6985 |
| 50° | 684  | 6186 | 6869 |
| 55° | 655  | 6050 | 6565 |
| 60° | 672  | 5787 | 6084 |
| 65° | 700  | 5386 | 5423 |
| 70° | 748  | 4700 | 4582 |
| 75° | 831  | 3836 | 3575 |
| 80° | 915  | 2663 | 2409 |
| 85° | 830  | 1415 | 1233 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6985 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 103.1   | 0.5       |
| 10°-20°   | 456.9   | 2.4       |
| 20°-30°   | 799.2   | 4.2       |
| 30°-40°   | 1028.8  | 5.4       |
| 40°-50°   | 1149.1  | 6.1       |
| 50°-60°   | 1100.6  | 5.8       |
| 60°-70°   | 872.2   | 4.6       |
| 70°-80°   | 512.8   | 2.7       |
| 80°-90°   | 150.0   | 0.8       |
| 90°-100°  | 963.6   | 5.1       |
| 100°-110° | 2533.3  | 13.3      |
| 110°-120° | 2626.8  | 13.8      |
| 120°-130° | 2107.0  | 11.1      |
| 130°-140° | 1653.2  | 8.7       |
| 140°-150° | 1268.9  | 6.7       |
| 150°-160° | 913.8   | 4.8       |
| 160°-170° | 559.1   | 2.9       |
| 170°-180° | 188.9   | 1.0       |
| 0°-30°    | 1359.1  | 7.2       |
| 0°-40°    | 2387.9  | 12.6      |
| 0°-60°    | 4637.5  | 24.4      |
| 0°-90°    | 6172.6  | 32.5      |
| 90°-120°  | 6123.6  | 32.3      |
| 90°-150°  | 11152.7 | 58.7      |
| 90°-180°  | 12815.0 | 67.5      |
| 0°-180°   | 18987.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 797  | 797   | 797  | 797   | 797  |      |
| 5°   | 776  | 833   | 938  | 1061  | 1099 | 72   |
| 15°  | 582  | 1074  | 1809 | 2194  | 2263 | 162  |
| 25°  | 372  | 1217  | 2155 | 2250  | 2252 | 171  |
| 35°  | 251  | 1163  | 2030 | 2145  | 2229 | 157  |
| 45°  | 172  | 928   | 1794 | 2055  | 2147 | 133  |
| 55°  | 123  | 589   | 1522 | 1768  | 1817 | 112  |
| 65°  | 97   | 313   | 1130 | 1271  | 1289 | 97   |
| 75°  | 72   | 192   | 620  | 682   | 684  | 75   |
| 85°  | 26   | 59    | 154  | 169   | 172  | 27   |
| 90°  | 13   | 37    | 101  | 50    | 50   | 13   |
| 95°  | 127  | 499   | 1660 | 856   | 582  | 141  |
| 105° | 456  | 691   | 2801 | 4252  | 3967 | 484  |
| 115° | 811  | 984   | 2244 | 4475  | 5108 | 801  |
| 125° | 1128 | 1264  | 2040 | 3448  | 4068 | 1001 |
| 135° | 1344 | 1479  | 1977 | 2783  | 3156 | 1040 |
| 145° | 1559 | 1658  | 1952 | 2375  | 2560 | 977  |
| 155° | 1762 | 1811  | 1952 | 2143  | 2205 | 810  |
| 165° | 1901 | 1926  | 1952 | 2028  | 2054 | 537  |
| 175° | 1977 | 1977  | 1965 | 1990  | 1990 | 188  |
| 180° | 1977 | 1977  | 1977 | 1977  | 1977 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 796.9 | 796.9 | 796.9  | 796.9  | 796.9  | 796.9  | 796.9  | 796.9  | 796.9  | 796.9  | 796.9  |
| 2.5°   | 796.9 | 796.9 | 802.0  | 804.6  | 809.7  | 812.3  | 817.4  | 822.5  | 837.9  | 840.5  | 845.6  |
| 5°     | 776.4 | 786.7 | 820.0  | 832.8  | 868.6  | 917.3  | 937.8  | 971.2  | 1040.4 | 1060.9 | 1073.7 |
| 7.5°   | 745.7 | 768.7 | 850.7  | 871.2  | 960.9  | 1089.1 | 1142.9 | 1214.7 | 1324.8 | 1378.6 | 1422.2 |
| 10°    | 697.0 | 745.7 | 891.7  | 940.4  | 1086.5 | 1281.3 | 1381.2 | 1481.1 | 1647.7 | 1722.0 | 1750.2 |
| 12.5°  | 643.2 | 722.6 | 935.3  | 1002.0 | 1212.1 | 1496.5 | 1616.9 | 1727.1 | 1916.7 | 2016.7 | 2032.1 |
| 15°    | 581.7 | 689.3 | 976.4  | 1073.7 | 1345.3 | 1675.9 | 1809.1 | 1944.9 | 2121.7 | 2193.5 | 2211.4 |
| 17.5°  | 527.9 | 663.7 | 1014.8 | 1117.3 | 1447.8 | 1837.3 | 1973.1 | 2085.9 | 2229.4 | 2278.0 | 2290.9 |
| 20°    | 461.2 | 622.7 | 1040.4 | 1173.7 | 1555.5 | 1955.2 | 2085.9 | 2173.0 | 2270.4 | 2301.1 | 2306.2 |
| 22.5°  | 412.5 | 579.1 | 1055.8 | 1194.2 | 1627.2 | 2026.9 | 2137.1 | 2206.3 | 2272.9 | 2283.2 | 2285.7 |
| 25°    | 371.5 | 530.4 | 1053.2 | 1217.2 | 1688.7 | 2070.5 | 2155.1 | 2206.3 | 2244.7 | 2249.9 | 2249.9 |
| 27.5°  | 333.1 | 476.6 | 1043.0 | 1222.3 | 1734.8 | 2080.7 | 2147.4 | 2183.2 | 2201.2 | 2211.4 | 2211.4 |
| 30°    | 299.8 | 425.4 | 1017.4 | 1212.1 | 1755.3 | 2070.5 | 2124.3 | 2142.2 | 2160.2 | 2175.5 | 2183.2 |
| 32.5°  | 274.2 | 376.7 | 978.9  | 1191.6 | 1757.9 | 2044.9 | 2083.3 | 2093.6 | 2119.2 | 2155.1 | 2167.9 |
| 35°    | 251.1 | 328.0 | 935.3  | 1163.4 | 1742.5 | 2003.9 | 2029.5 | 2039.7 | 2091.0 | 2144.8 | 2162.7 |
| 37.5°  | 228.1 | 292.1 | 878.9  | 1114.7 | 1719.4 | 1955.2 | 1973.1 | 1991.1 | 2070.5 | 2134.6 | 2155.1 |
| 40°    | 205.0 | 261.4 | 812.3  | 1060.9 | 1683.6 | 1896.2 | 1911.6 | 1939.8 | 2044.9 | 2119.2 | 2139.7 |
| 42.5°  | 187.1 | 235.7 | 740.5  | 1004.5 | 1637.4 | 1829.6 | 1852.7 | 1893.7 | 2014.1 | 2093.6 | 2116.6 |
| 45°    | 171.7 | 210.1 | 663.7  | 927.6  | 1578.5 | 1760.4 | 1793.8 | 1850.1 | 1978.2 | 2055.1 | 2075.6 |
| 47.5°  | 156.3 | 192.2 | 584.2  | 848.1  | 1514.5 | 1691.3 | 1734.8 | 1798.9 | 1929.6 | 2003.9 | 2021.8 |
| 50°    | 143.5 | 174.2 | 504.8  | 763.6  | 1445.3 | 1616.9 | 1668.2 | 1734.8 | 1868.1 | 1937.2 | 1960.3 |
| 52.5°  | 133.2 | 158.9 | 430.5  | 679.0  | 1365.8 | 1540.1 | 1599.0 | 1668.2 | 1793.8 | 1860.4 | 1875.8 |
| 55°    | 123.0 | 146.1 | 366.4  | 589.3  | 1283.8 | 1458.1 | 1522.1 | 1588.8 | 1711.8 | 1768.1 | 1778.4 |
| 57.5°  | 117.9 | 135.8 | 312.6  | 504.8  | 1196.7 | 1365.8 | 1437.6 | 1499.1 | 1614.4 | 1657.9 | 1668.2 |
| 60°    | 110.2 | 128.1 | 271.6  | 433.0  | 1101.9 | 1278.7 | 1340.2 | 1401.7 | 1499.1 | 1535.0 | 1542.6 |
| 62.5°  | 102.5 | 123.0 | 240.9  | 363.9  | 1004.5 | 1176.2 | 1237.7 | 1294.1 | 1376.1 | 1401.7 | 1412.0 |
| 65°    | 97.4  | 117.9 | 217.8  | 312.6  | 904.5  | 1068.6 | 1130.1 | 1178.8 | 1245.4 | 1271.0 | 1276.2 |
| 67.5°  | 92.2  | 112.7 | 199.9  | 269.1  | 804.6  | 960.9  | 1007.1 | 1053.2 | 1104.5 | 1130.1 | 1132.7 |
| 70°    | 84.6  | 107.6 | 184.5  | 238.3  | 702.1  | 837.9  | 876.3  | 925.0  | 966.0  | 978.9  | 986.6  |
| 72.5°  | 79.4  | 99.9  | 174.2  | 215.2  | 597.0  | 720.0  | 755.9  | 784.1  | 820.0  | 832.8  | 832.8  |
| 75°    | 71.7  | 89.7  | 164.0  | 192.2  | 489.4  | 589.3  | 620.1  | 648.3  | 676.5  | 681.6  | 673.9  |
| 77.5°  | 64.1  | 79.4  | 140.9  | 161.4  | 381.8  | 466.4  | 492.0  | 507.4  | 530.4  | 535.5  | 538.1  |
| 80°    | 53.8  | 69.2  | 110.2  | 125.6  | 276.7  | 343.4  | 361.3  | 374.1  | 394.6  | 394.6  | 399.7  |
| 82.5°  | 41.0  | 53.8  | 79.4   | 89.7   | 187.1  | 235.7  | 251.1  | 258.8  | 271.6  | 271.6  | 271.6  |
| 85°    | 25.6  | 33.3  | 51.2   | 58.9   | 112.7  | 143.5  | 153.7  | 156.3  | 166.6  | 169.1  | 169.1  |
| 87.5°  | 12.8  | 17.9  | 33.3   | 35.9   | 58.9   | 74.3   | 74.3   | 79.4   | 79.4   | 76.9   | 74.3   |
| 90°    | 13.2  | 23.8  | 34.5   | 37.2   | 58.3   | 86.6   | 100.8  | 89.6   | 67.2   | 50.4   | 50.4   |
| 92.5°  | 53.0  | 143.2 | 233.5  | 256.1  | 360.0  | 498.6  | 567.8  | 497.6  | 357.3  | 252.1  | 242.1  |
| 95°    | 127.4 | 292.5 | 457.6  | 498.8  | 885.7  | 1401.7 | 1659.7 | 1481.0 | 1123.7 | 855.8  | 825.3  |
| 97.5°  | 220.2 | 365.8 | 511.5  | 547.9  | 1193.1 | 2053.4 | 2483.5 | 2370.6 | 2144.8 | 1975.4 | 1917.6 |
| 100°   | 291.9 | 424.0 | 556.0  | 589.1  | 1305.0 | 2259.7 | 2737.0 | 2745.3 | 2761.7 | 2774.1 | 2705.3 |
| 102.5° | 352.9 | 476.2 | 599.3  | 630.2  | 1356.4 | 2324.5 | 2808.6 | 2952.5 | 3240.2 | 3456.1 | 3397.1 |
| 105°   | 456.4 | 560.7 | 665.1  | 691.2  | 1394.4 | 2331.9 | 2800.6 | 3123.1 | 3768.2 | 4252.0 | 4220.3 |
| 107.5° | 562.5 | 659.8 | 757.1  | 781.4  | 1401.5 | 2228.2 | 2641.5 | 3091.3 | 3991.1 | 4665.9 | 4673.6 |
| 110°   | 634.2 | 722.0 | 809.9  | 831.8  | 1390.8 | 2136.1 | 2508.7 | 3011.7 | 4017.6 | 4772.1 | 4805.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 704.5  | 788.2  | 871.9  | 892.8  | 1391.2 | 2055.8 | 2388.1 | 2902.8 | 3932.3 | 4704.5 | 4755.2 |
| 115°   | 810.6  | 887.8  | 965.1  | 984.4  | 1404.1 | 1963.6 | 2243.5 | 2739.4 | 3731.1 | 4474.9 | 4545.2 |
| 117.5° | 915.5  | 985.6  | 1055.8 | 1073.3 | 1430.2 | 1906.0 | 2143.9 | 2591.5 | 3486.6 | 4157.8 | 4235.8 |
| 120°   | 976.4  | 1042.5 | 1108.6 | 1125.1 | 1451.4 | 1886.6 | 2104.1 | 2513.1 | 3330.9 | 3944.3 | 4020.0 |
| 122.5° | 1036.1 | 1102.8 | 1169.4 | 1186.0 | 1481.9 | 1876.4 | 2073.7 | 2441.9 | 3178.3 | 3730.7 | 3805.4 |
| 125°   | 1127.7 | 1188.4 | 1249.2 | 1264.4 | 1523.1 | 1868.0 | 2040.4 | 2353.2 | 2978.9 | 3448.0 | 3516.9 |
| 127.5° | 1202.0 | 1263.3 | 1324.7 | 1340.0 | 1564.2 | 1863.1 | 2012.6 | 2281.1 | 2818.3 | 3221.2 | 3279.3 |
| 130°   | 1241.8 | 1307.8 | 1373.9 | 1390.3 | 1594.2 | 1866.1 | 2002.0 | 2241.1 | 2719.3 | 3077.9 | 3131.6 |
| 132.5° | 1282.9 | 1348.9 | 1415.0 | 1431.5 | 1618.6 | 1868.0 | 1992.7 | 2206.7 | 2634.8 | 2955.9 | 3004.0 |
| 135°   | 1344.0 | 1404.1 | 1464.2 | 1479.3 | 1645.1 | 1866.3 | 1976.8 | 2156.1 | 2514.6 | 2783.4 | 2824.9 |
| 137.5° | 1406.3 | 1465.9 | 1525.4 | 1540.2 | 1684.9 | 1877.7 | 1974.1 | 2125.7 | 2428.7 | 2656.0 | 2689.9 |
| 140°   | 1458.0 | 1512.8 | 1567.7 | 1581.4 | 1709.2 | 1879.6 | 1964.8 | 2095.7 | 2357.5 | 2553.8 | 2585.5 |
| 142.5° | 1497.8 | 1548.5 | 1599.3 | 1611.9 | 1729.5 | 1886.4 | 1964.8 | 2079.8 | 2309.8 | 2482.3 | 2509.5 |
| 145°   | 1558.9 | 1603.1 | 1647.4 | 1658.4 | 1756.1 | 1886.4 | 1951.6 | 2045.6 | 2233.7 | 2374.7 | 2395.4 |
| 147.5° | 1619.9 | 1662.9 | 1705.9 | 1716.7 | 1795.0 | 1899.4 | 1951.6 | 2025.6 | 2173.6 | 2284.5 | 2301.6 |
| 150°   | 1659.7 | 1698.6 | 1737.6 | 1747.3 | 1815.4 | 1906.2 | 1951.6 | 2014.1 | 2139.1 | 2232.8 | 2246.6 |
| 152.5° | 1700.8 | 1730.3 | 1759.8 | 1767.2 | 1828.7 | 1910.6 | 1951.6 | 2005.0 | 2111.7 | 2191.7 | 2202.2 |
| 155°   | 1761.8 | 1783.7 | 1805.5 | 1810.9 | 1857.8 | 1920.3 | 1951.6 | 1994.0 | 2078.9 | 2142.6 | 2149.5 |
| 157.5° | 1807.0 | 1828.2 | 1849.4 | 1854.7 | 1887.0 | 1930.1 | 1951.6 | 1984.6 | 2050.6 | 2100.1 | 2105.0 |
| 160°   | 1837.5 | 1854.0 | 1870.5 | 1874.6 | 1900.3 | 1934.5 | 1951.6 | 1979.9 | 2036.5 | 2078.9 | 2081.8 |
| 162.5° | 1868.0 | 1880.4 | 1892.7 | 1895.8 | 1914.4 | 1939.2 | 1951.6 | 1975.5 | 2023.3 | 2059.0 | 2061.7 |
| 165°   | 1901.1 | 1912.3 | 1923.5 | 1926.3 | 1934.8 | 1946.0 | 1951.6 | 1968.7 | 2002.8 | 2028.5 | 2031.3 |
| 167.5° | 1931.7 | 1937.0 | 1942.3 | 1943.6 | 1950.7 | 1960.1 | 1964.8 | 1976.0 | 1998.4 | 2015.2 | 2016.4 |
| 170°   | 1951.6 | 1956.9 | 1962.2 | 1963.5 | 1963.9 | 1964.5 | 1964.8 | 1976.0 | 1998.4 | 2015.2 | 2015.2 |
| 172.5° | 1962.2 | 1963.4 | 1964.6 | 1964.8 | 1964.8 | 1964.8 | 1964.8 | 1973.7 | 1991.4 | 2004.6 | 2003.6 |
| 175°   | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1972.8 | 1967.5 | 1964.8 | 1970.5 | 1981.7 | 1990.0 | 1990.0 |
| 177.5° | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1973.7 | 1969.5 | 1967.5 | 1971.9 | 1980.7 | 1987.4 | 1986.2 |
| 180°   | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1976.8 | 1976.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 796.9  | 796.9  |
| 2.5°   | 850.7  | 845.6  |
| 5°     | 1094.2 | 1099.3 |
| 7.5°   | 1473.5 | 1470.9 |
| 10°    | 1832.2 | 1855.3 |
| 12.5°  | 2093.6 | 2098.7 |
| 15°    | 2252.4 | 2262.7 |
| 17.5°  | 2313.9 | 2316.5 |
| 20°    | 2316.5 | 2311.4 |
| 22.5°  | 2288.3 | 2283.2 |
| 25°    | 2255.0 | 2252.4 |
| 27.5°  | 2224.2 | 2226.8 |
| 30°    | 2211.4 | 2219.1 |
| 32.5°  | 2211.4 | 2224.2 |
| 35°    | 2216.5 | 2229.4 |
| 37.5°  | 2214.0 | 2229.4 |
| 40°    | 2203.7 | 2221.7 |
| 42.5°  | 2175.5 | 2188.4 |
| 45°    | 2132.0 | 2147.4 |
| 47.5°  | 2075.6 | 2085.9 |
| 50°    | 2003.9 | 2014.1 |
| 52.5°  | 1914.2 | 1916.7 |
| 55°    | 1806.6 | 1816.8 |
| 57.5°  | 1691.3 | 1693.8 |
| 60°    | 1563.1 | 1570.8 |
| 62.5°  | 1427.3 | 1427.3 |
| 65°    | 1283.8 | 1289.0 |
| 67.5°  | 1135.2 | 1148.0 |
| 70°    | 984.0  | 986.6  |
| 72.5°  | 835.3  | 835.3  |
| 75°    | 681.6  | 684.2  |
| 77.5°  | 535.5  | 535.5  |
| 80°    | 397.2  | 399.7  |
| 82.5°  | 274.2  | 279.3  |
| 85°    | 171.7  | 171.7  |
| 87.5°  | 79.4   | 71.7   |
| 90°    | 50.4   | 50.4   |
| 92.5°  | 201.9  | 161.9  |
| 95°    | 703.9  | 582.4  |
| 97.5°  | 1686.5 | 1455.3 |
| 100°   | 2429.9 | 2154.5 |
| 102.5° | 3161.2 | 2925.4 |
| 105°   | 4093.6 | 3966.8 |
| 107.5° | 4704.3 | 4734.9 |
| 110°   | 4937.2 | 5069.2 |





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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 4958.0 | 5160.8 |
| 115°   | 4826.5 | 5107.8 |
| 117.5° | 4547.7 | 4859.6 |
| 120°   | 4323.1 | 4626.1 |
| 122.5° | 4104.3 | 4403.3 |
| 125°   | 3792.2 | 4067.6 |
| 127.5° | 3511.6 | 3743.9 |
| 130°   | 3346.2 | 3560.9 |
| 132.5° | 3196.1 | 3388.3 |
| 135°   | 2990.5 | 3156.2 |
| 137.5° | 2825.5 | 2961.2 |
| 140°   | 2712.4 | 2839.1 |
| 142.5° | 2618.6 | 2727.7 |
| 145°   | 2477.9 | 2560.5 |
| 147.5° | 2370.0 | 2438.5 |
| 150°   | 2302.1 | 2357.6 |
| 152.5° | 2244.1 | 2285.9 |
| 155°   | 2177.3 | 2204.9 |
| 157.5° | 2124.5 | 2143.9 |
| 160°   | 2093.0 | 2104.1 |
| 162.5° | 2072.3 | 2082.9 |
| 165°   | 2042.5 | 2053.8 |
| 167.5° | 2021.1 | 2025.8 |
| 170°   | 2015.2 | 2015.2 |
| 172.5° | 1999.4 | 1995.3 |
| 175°   | 1990.0 | 1990.0 |
| 177.5° | 1981.5 | 1976.8 |
| 180°   | 1976.8 | 1976.8 |

TEST NUMBER: P937925

CATALOG NUMBER: SQ4-FB-125U-075D-92765-1D-UNV-STD-W-12-2700K

**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 | 2.28             | 3.03  | 3.37  | 4.12  | 5.62  | 15.47          | 16.22 | 16.56 | 17.31 | 18.81 |
|                 | 3H   | 2.98             | 3.65  | 4.07  | 4.75  | 6.26  | 17.31          | 17.98 | 18.41 | 19.08 | 20.59 |
|                 | 4H   | 3.27             | 3.91  | 4.38  | 5.01  | 6.53  | 17.95          | 18.59 | 19.06 | 19.69 | 21.21 |
|                 | 6H   | 3.51             | 4.10  | 4.63  | 5.20  | 6.74  | 18.38          | 18.97 | 19.50 | 20.07 | 21.60 |
|                 | 8H   | 3.58             | 4.14  | 4.70  | 5.26  | 6.78  | 18.50          | 19.06 | 19.62 | 20.18 | 21.71 |
|                 | 12H  | 3.59             | 4.12  | 4.72  | 5.24  | 6.79  | 18.57          | 19.10 | 19.69 | 20.21 | 21.76 |
| 4H              | 2H   | 9.49             | 10.13 | 10.61 | 11.23 | 12.75 | 15.73          | 16.37 | 16.85 | 17.47 | 18.99 |
|                 | 3H   | 11.05            | 11.58 | 12.17 | 12.71 | 14.24 | 17.77          | 18.31 | 18.89 | 19.43 | 20.97 |
|                 | 4H   | 11.14            | 11.63 | 12.26 | 12.74 | 14.30 | 18.54          | 19.03 | 19.66 | 20.14 | 21.70 |
|                 | 6H   | 11.14            | 11.56 | 12.27 | 12.70 | 14.24 | 19.08          | 19.50 | 20.21 | 20.63 | 22.18 |
|                 | 8H   | 11.11            | 11.51 | 12.25 | 12.64 | 14.20 | 19.24          | 19.63 | 20.37 | 20.76 | 22.32 |
|                 | 12H  | 11.06            | 11.42 | 12.21 | 12.56 | 14.13 | 19.33          | 19.68 | 20.48 | 20.83 | 22.39 |
| 8H              | 4H   | 12.57            | 12.97 | 13.71 | 14.10 | 15.66 | 18.59          | 18.98 | 19.72 | 20.11 | 21.67 |
|                 | 6H   | 12.81            | 13.14 | 13.96 | 14.31 | 15.87 | 19.22          | 19.54 | 20.37 | 20.71 | 22.27 |
|                 | 8H   | 12.83            | 13.11 | 13.99 | 14.26 | 15.84 | 19.44          | 19.72 | 20.60 | 20.87 | 22.45 |
|                 | 12H  | 12.79            | 13.04 | 13.95 | 14.19 | 15.80 | 19.58          | 19.83 | 20.74 | 20.98 | 22.59 |
| 12H             | 4H   | 12.71            | 13.07 | 13.86 | 14.21 | 15.78 | 18.54          | 18.89 | 19.69 | 20.03 | 21.60 |
|                 | 6H   | 13.07            | 13.35 | 14.23 | 14.51 | 16.09 | 19.20          | 19.48 | 20.36 | 20.63 | 22.21 |
|                 | 8H   | 13.13            | 13.38 | 14.30 | 14.53 | 16.15 | 19.43          | 19.67 | 20.59 | 20.82 | 22.44 |