

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: P937780

Luminaire Tested: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937780  
REPORT IS A COMBINATION OF REPORTS P933560 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

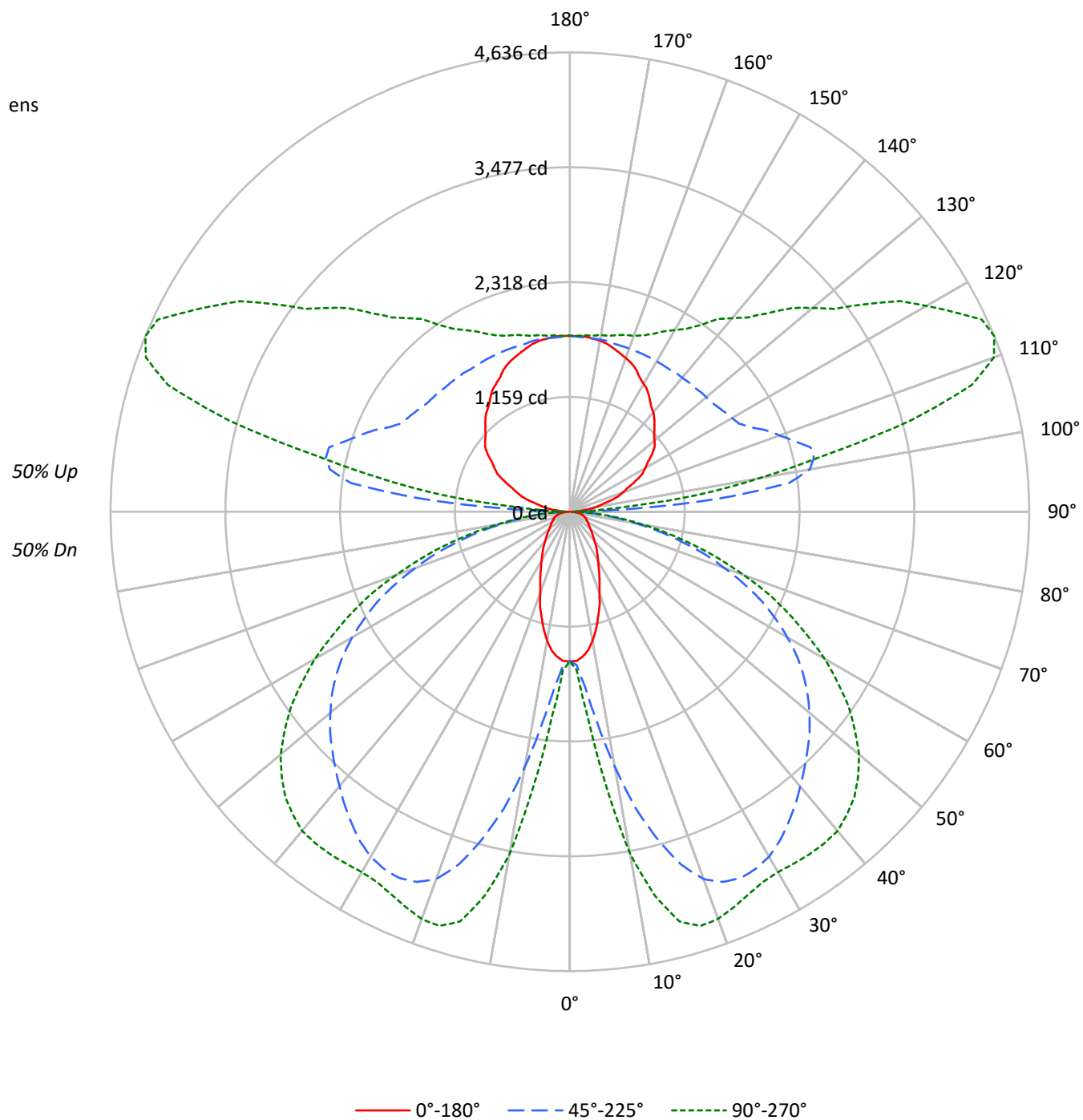
Lumens per Lamp: N/A  
Luminaire Lumens: 23181.7 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 206.4  
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: P937780

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-12-4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P937780

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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   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 69 | 69 | 69 | 56 | 56 | 56 |
| 1   | 97  | 93  | 89  | 85  | 90 | 86 | 82 | 79 | 72 | 70 | 67 | 60 | 58 | 57 | 49 | 48 | 47 |
| 2   | 88  | 80  | 74  | 68  | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 52 | 49 | 46 | 42 | 40 | 38 |
| 3   | 80  | 70  | 62  | 56  | 73 | 65 | 58 | 53 | 55 | 50 | 45 | 46 | 42 | 39 | 37 | 34 | 32 |
| 4   | 73  | 62  | 53  | 47  | 67 | 57 | 50 | 44 | 48 | 43 | 38 | 40 | 36 | 32 | 33 | 30 | 27 |
| 5   | 67  | 54  | 46  | 40  | 61 | 50 | 43 | 37 | 43 | 37 | 32 | 36 | 31 | 28 | 29 | 26 | 23 |
| 6   | 61  | 49  | 40  | 34  | 56 | 45 | 37 | 32 | 38 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 20 |
| 7   | 56  | 44  | 35  | 30  | 52 | 40 | 33 | 28 | 34 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 17 |
| 8   | 52  | 39  | 31  | 26  | 48 | 37 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 |
| 9   | 48  | 36  | 28  | 23  | 44 | 33 | 26 | 21 | 28 | 23 | 19 | 24 | 19 | 16 | 20 | 16 | 14 |
| 10  | 45  | 33  | 25  | 20  | 41 | 30 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 12 |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4664 | 4664  | 4664  |
| 5°  | 4558 | 5392  | 6269  |
| 10° | 4136 | 7861  | 10393 |
| 15° | 3516 | 10273 | 12549 |
| 20° | 2864 | 11908 | 12789 |
| 25° | 2390 | 12464 | 12529 |
| 30° | 2016 | 12546 | 12506 |
| 35° | 1784 | 12341 | 12829 |
| 40° | 1555 | 12074 | 13163 |
| 45° | 1409 | 11879 | 13215 |
| 50° | 1294 | 11704 | 12996 |
| 55° | 1240 | 11448 | 12420 |
| 60° | 1271 | 10950 | 11511 |
| 65° | 1324 | 10191 | 10261 |
| 70° | 1415 | 8893  | 8668  |
| 75° | 1573 | 7258  | 6765  |
| 80° | 1731 | 5039  | 4559  |
| 85° | 1572 | 2678  | 2333  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13215 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 195.0   | 0.8       |
| 10°-20°   | 864.4   | 3.7       |
| 20°-30°   | 1512.0  | 6.5       |
| 30°-40°   | 1946.4  | 8.4       |
| 40°-50°   | 2174.1  | 9.4       |
| 50°-60°   | 2082.3  | 9.0       |
| 60°-70°   | 1650.2  | 7.1       |
| 70°-80°   | 970.4   | 4.2       |
| 80°-90°   | 276.3   | 1.2       |
| 90°-100°  | 865.5   | 3.7       |
| 100°-110° | 2275.5  | 9.8       |
| 110°-120° | 2359.4  | 10.2      |
| 120°-130° | 1892.6  | 8.2       |
| 130°-140° | 1485.0  | 6.4       |
| 140°-150° | 1139.8  | 4.9       |
| 150°-160° | 820.8   | 3.5       |
| 160°-170° | 502.2   | 2.2       |
| 170°-180° | 169.7   | 0.7       |
| 0°-30°    | 2571.5  | 11.1      |
| 0°-40°    | 4517.9  | 19.5      |
| 0°-60°    | 8774.2  | 37.8      |
| 0°-90°    | 11671.2 | 50.3      |
| 90°-120°  | 5500.5  | 23.7      |
| 90°-150°  | 10017.8 | 43.2      |
| 90°-180°  | 11511.0 | 49.7      |
| 0°-180°   | 23181.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1508 | 1508  | 1508 | 1508  | 1508 |      |
| 5°   | 1469 | 1576  | 1774 | 2007  | 2080 | 136  |
| 15°  | 1100 | 2031  | 3423 | 4150  | 4281 | 306  |
| 25°  | 703  | 2303  | 4077 | 4257  | 4262 | 324  |
| 35°  | 475  | 2201  | 3840 | 4058  | 4218 | 297  |
| 45°  | 325  | 1755  | 3394 | 3888  | 4063 | 251  |
| 55°  | 233  | 1115  | 2880 | 3345  | 3437 | 212  |
| 65°  | 184  | 592   | 2138 | 2405  | 2439 | 183  |
| 75°  | 136  | 364   | 1173 | 1290  | 1294 | 142  |
| 85°  | 48   | 112   | 291  | 320   | 325  | 51   |
| 90°  | 12   | 33    | 90   | 45    | 45   | 13   |
| 95°  | 114  | 448   | 1491 | 769   | 523  | 127  |
| 105° | 410  | 621   | 2516 | 3819  | 3563 | 435  |
| 115° | 728  | 884   | 2015 | 4020  | 4588 | 719  |
| 125° | 1013 | 1136  | 1833 | 3097  | 3654 | 899  |
| 135° | 1207 | 1329  | 1776 | 2500  | 2835 | 934  |
| 145° | 1400 | 1490  | 1753 | 2133  | 2300 | 877  |
| 155° | 1582 | 1627  | 1753 | 1924  | 1981 | 727  |
| 165° | 1708 | 1730  | 1753 | 1822  | 1845 | 482  |
| 175° | 1776 | 1776  | 1765 | 1788  | 1788 | 169  |
| 180° | 1776 | 1776  | 1776 | 1776  | 1776 |      |

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CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-12-4000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1507.8 | 1507.8 | 1507.8 | 1507.8 | 1507.8 | 1507.8 | 1507.8 | 1507.8 | 1507.8 | 1507.8 | 1507.8 |
| 2.5°   | 1507.8 | 1507.8 | 1517.5 | 1522.4 | 1532.0 | 1536.9 | 1546.6 | 1556.3 | 1585.4 | 1590.3 | 1599.9 |
| 5°     | 1469.0 | 1488.4 | 1551.4 | 1575.7 | 1643.6 | 1735.7 | 1774.5 | 1837.5 | 1968.4 | 2007.2 | 2031.4 |
| 7.5°   | 1410.8 | 1454.5 | 1609.7 | 1648.4 | 1818.1 | 2060.5 | 2162.3 | 2298.1 | 2506.6 | 2608.4 | 2690.8 |
| 10°    | 1318.8 | 1410.8 | 1687.2 | 1779.3 | 2055.6 | 2424.1 | 2613.2 | 2802.3 | 3117.4 | 3258.0 | 3311.4 |
| 12.5°  | 1217.0 | 1367.2 | 1769.6 | 1895.7 | 2293.2 | 2831.4 | 3059.2 | 3267.7 | 3626.5 | 3815.6 | 3844.6 |
| 15°    | 1100.5 | 1304.1 | 1847.2 | 2031.4 | 2545.4 | 3170.8 | 3422.8 | 3679.8 | 4014.3 | 4150.1 | 4184.0 |
| 17.5°  | 998.7  | 1255.7 | 1919.9 | 2113.8 | 2739.2 | 3476.2 | 3733.2 | 3946.4 | 4217.9 | 4310.1 | 4334.4 |
| 20°    | 872.7  | 1178.1 | 1968.4 | 2220.5 | 2942.9 | 3699.2 | 3946.4 | 4111.3 | 4295.6 | 4353.7 | 4363.4 |
| 22.5°  | 780.5  | 1095.7 | 1997.5 | 2259.2 | 3078.6 | 3835.0 | 4043.5 | 4174.3 | 4300.4 | 4319.8 | 4324.6 |
| 25°    | 703.0  | 1003.6 | 1992.6 | 2302.9 | 3195.0 | 3917.4 | 4077.4 | 4174.3 | 4247.1 | 4256.7 | 4256.7 |
| 27.5°  | 630.3  | 901.8  | 1973.2 | 2312.6 | 3282.2 | 3936.8 | 4062.9 | 4130.7 | 4164.7 | 4184.0 | 4184.0 |
| 30°    | 567.3  | 804.8  | 1924.7 | 2293.2 | 3321.0 | 3917.4 | 4019.2 | 4053.1 | 4087.1 | 4116.1 | 4130.7 |
| 32.5°  | 518.8  | 712.7  | 1852.0 | 2254.5 | 3325.9 | 3868.9 | 3941.7 | 3961.1 | 4009.5 | 4077.4 | 4101.6 |
| 35°    | 475.1  | 620.6  | 1769.6 | 2201.1 | 3296.9 | 3791.4 | 3839.8 | 3859.3 | 3956.2 | 4058.0 | 4091.9 |
| 37.5°  | 431.5  | 552.7  | 1662.9 | 2109.0 | 3253.2 | 3699.2 | 3733.2 | 3767.1 | 3917.4 | 4038.6 | 4077.4 |
| 40°    | 387.8  | 494.5  | 1536.9 | 2007.2 | 3185.3 | 3587.7 | 3616.8 | 3670.2 | 3868.9 | 4009.5 | 4048.2 |
| 42.5°  | 353.9  | 446.1  | 1401.2 | 1900.5 | 3098.0 | 3461.7 | 3505.3 | 3582.9 | 3810.7 | 3961.1 | 4004.7 |
| 45°    | 324.8  | 397.6  | 1255.7 | 1755.1 | 2986.5 | 3330.8 | 3393.8 | 3500.5 | 3742.8 | 3888.3 | 3927.1 |
| 47.5°  | 295.8  | 363.7  | 1105.4 | 1604.8 | 2865.3 | 3199.8 | 3282.2 | 3403.4 | 3650.8 | 3791.4 | 3825.3 |
| 50°    | 271.5  | 329.7  | 955.1  | 1444.8 | 2734.5 | 3059.2 | 3156.2 | 3282.2 | 3534.4 | 3665.3 | 3708.9 |
| 52.5°  | 252.1  | 300.6  | 814.5  | 1284.8 | 2584.1 | 2913.8 | 3025.3 | 3156.2 | 3393.8 | 3519.8 | 3548.9 |
| 55°    | 232.7  | 276.4  | 693.3  | 1115.1 | 2428.9 | 2758.6 | 2879.9 | 3006.0 | 3238.6 | 3345.3 | 3364.7 |
| 57.5°  | 223.0  | 257.0  | 591.5  | 955.1  | 2264.1 | 2584.1 | 2719.8 | 2836.3 | 3054.4 | 3136.8 | 3156.2 |
| 60°    | 208.5  | 242.4  | 513.9  | 819.4  | 2084.8 | 2419.3 | 2535.6 | 2652.0 | 2836.3 | 2904.1 | 2918.7 |
| 62.5°  | 194.0  | 232.7  | 455.7  | 688.5  | 1900.5 | 2225.3 | 2341.7 | 2448.3 | 2603.5 | 2652.0 | 2671.4 |
| 65°    | 184.2  | 223.0  | 412.1  | 591.5  | 1711.5 | 2021.7 | 2138.1 | 2230.2 | 2356.3 | 2404.7 | 2414.4 |
| 67.5°  | 174.6  | 213.3  | 378.2  | 509.1  | 1522.4 | 1818.1 | 1905.3 | 1992.6 | 2089.6 | 2138.1 | 2142.9 |
| 70°    | 160.0  | 203.6  | 349.1  | 450.9  | 1328.4 | 1585.4 | 1658.1 | 1750.2 | 1827.8 | 1852.0 | 1866.5 |
| 72.5°  | 150.3  | 189.1  | 329.7  | 407.2  | 1129.7 | 1362.4 | 1430.2 | 1483.6 | 1551.4 | 1575.7 | 1575.7 |
| 75°    | 135.7  | 169.7  | 310.3  | 363.7  | 926.0  | 1115.1 | 1173.3 | 1226.6 | 1279.9 | 1289.6 | 1275.1 |
| 77.5°  | 121.2  | 150.3  | 266.6  | 305.4  | 722.4  | 882.4  | 930.8  | 960.0  | 1003.6 | 1013.3 | 1018.1 |
| 80°    | 101.8  | 130.9  | 208.5  | 237.6  | 523.6  | 649.7  | 683.6  | 707.8  | 746.6  | 746.6  | 756.4  |
| 82.5°  | 77.5   | 101.8  | 150.3  | 169.7  | 353.9  | 446.1  | 475.1  | 489.6  | 513.9  | 513.9  | 513.9  |
| 85°    | 48.5   | 63.0   | 96.9   | 111.5  | 213.3  | 271.5  | 290.9  | 295.8  | 315.2  | 320.0  | 320.0  |
| 87.5°  | 24.3   | 33.9   | 63.0   | 67.9   | 111.5  | 140.6  | 140.6  | 150.3  | 150.3  | 145.4  | 140.6  |
| 90°    | 11.9   | 21.5   | 30.9   | 33.3   | 52.4   | 77.8   | 90.5   | 80.5   | 60.4   | 45.3   | 45.3   |
| 92.5°  | 47.7   | 128.6  | 209.7  | 230.0  | 323.4  | 447.8  | 510.1  | 447.0  | 321.0  | 226.4  | 217.5  |
| 95°    | 114.4  | 262.7  | 411.0  | 448.1  | 795.6  | 1259.1 | 1490.8 | 1330.3 | 1009.3 | 768.6  | 741.3  |
| 97.5°  | 197.8  | 328.6  | 459.5  | 492.2  | 1071.7 | 1844.4 | 2230.8 | 2129.4 | 1926.5 | 1774.4 | 1722.5 |
| 100°   | 262.1  | 380.8  | 499.4  | 529.1  | 1172.2 | 2029.7 | 2458.5 | 2465.9 | 2480.7 | 2491.8 | 2430.0 |
| 102.5° | 317.0  | 427.6  | 538.3  | 566.0  | 1218.3 | 2088.0 | 2522.8 | 2652.0 | 2910.5 | 3104.3 | 3051.3 |
| 105°   | 410.0  | 503.7  | 597.4  | 620.8  | 1252.5 | 2094.6 | 2515.7 | 2805.4 | 3384.8 | 3819.3 | 3790.9 |
| 107.5° | 505.3  | 592.7  | 680.1  | 701.9  | 1258.8 | 2001.3 | 2372.6 | 2776.8 | 3585.0 | 4191.1 | 4198.0 |
| 110°   | 569.7  | 648.5  | 727.4  | 747.2  | 1249.2 | 1918.7 | 2253.4 | 2705.2 | 3608.8 | 4286.4 | 4316.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 632.8  | 708.0  | 783.2  | 802.0  | 1249.7 | 1846.6 | 2145.0 | 2607.4 | 3532.2 | 4225.7 | 4271.2 |
| 115°   | 728.1  | 797.5  | 866.9  | 884.2  | 1261.2 | 1763.8 | 2015.1 | 2460.6 | 3351.4 | 4019.5 | 4082.6 |
| 117.5° | 822.3  | 885.3  | 948.3  | 964.1  | 1284.7 | 1712.0 | 1925.8 | 2327.7 | 3131.7 | 3734.7 | 3804.7 |
| 120°   | 877.1  | 936.4  | 995.8  | 1010.6 | 1303.8 | 1694.6 | 1890.0 | 2257.3 | 2991.9 | 3542.9 | 3611.0 |
| 122.5° | 930.7  | 990.6  | 1050.4 | 1065.4 | 1331.2 | 1685.5 | 1862.6 | 2193.3 | 2854.9 | 3351.0 | 3418.1 |
| 125°   | 1013.0 | 1067.5 | 1122.0 | 1135.7 | 1368.0 | 1677.9 | 1832.8 | 2113.8 | 2675.7 | 3097.2 | 3158.9 |
| 127.5° | 1079.6 | 1134.7 | 1189.8 | 1203.6 | 1405.0 | 1673.5 | 1807.8 | 2049.0 | 2531.5 | 2893.4 | 2945.5 |
| 130°   | 1115.4 | 1174.7 | 1234.1 | 1248.9 | 1432.0 | 1676.2 | 1798.3 | 2013.0 | 2442.6 | 2764.7 | 2813.0 |
| 132.5° | 1152.4 | 1211.7 | 1271.0 | 1285.8 | 1453.8 | 1677.8 | 1789.9 | 1982.1 | 2366.7 | 2655.1 | 2698.3 |
| 135°   | 1207.2 | 1261.2 | 1315.2 | 1328.7 | 1477.7 | 1676.3 | 1775.6 | 1936.6 | 2258.6 | 2500.1 | 2537.3 |
| 137.5° | 1263.2 | 1316.7 | 1370.1 | 1383.5 | 1513.4 | 1686.6 | 1773.2 | 1909.3 | 2181.6 | 2385.8 | 2416.2 |
| 140°   | 1309.7 | 1359.0 | 1408.1 | 1420.5 | 1535.3 | 1688.3 | 1764.8 | 1882.4 | 2117.6 | 2294.0 | 2322.5 |
| 142.5° | 1345.4 | 1391.0 | 1436.5 | 1447.9 | 1553.5 | 1694.4 | 1764.8 | 1868.2 | 2074.7 | 2229.6 | 2254.1 |
| 145°   | 1400.2 | 1439.9 | 1479.7 | 1489.6 | 1577.4 | 1694.5 | 1753.0 | 1837.4 | 2006.4 | 2133.1 | 2151.6 |
| 147.5° | 1455.0 | 1493.7 | 1532.4 | 1542.0 | 1612.3 | 1706.1 | 1753.0 | 1819.5 | 1952.4 | 2052.1 | 2067.5 |
| 150°   | 1490.8 | 1525.7 | 1560.7 | 1569.4 | 1630.7 | 1712.2 | 1753.0 | 1809.2 | 1921.4 | 2005.6 | 2018.0 |
| 152.5° | 1527.7 | 1554.2 | 1580.7 | 1587.3 | 1642.5 | 1716.1 | 1753.0 | 1800.9 | 1896.7 | 1968.6 | 1978.0 |
| 155°   | 1582.5 | 1602.1 | 1621.8 | 1626.7 | 1668.8 | 1724.9 | 1753.0 | 1791.1 | 1867.3 | 1924.5 | 1930.7 |
| 157.5° | 1623.0 | 1642.1 | 1661.2 | 1666.0 | 1695.0 | 1733.7 | 1753.0 | 1782.6 | 1841.9 | 1886.4 | 1890.8 |
| 160°   | 1650.4 | 1665.3 | 1680.1 | 1683.9 | 1706.9 | 1737.6 | 1753.0 | 1778.4 | 1829.2 | 1867.3 | 1869.8 |
| 162.5° | 1677.8 | 1688.9 | 1700.1 | 1702.9 | 1719.6 | 1741.8 | 1753.0 | 1774.4 | 1817.3 | 1849.5 | 1851.8 |
| 165°   | 1707.6 | 1717.7 | 1727.8 | 1730.3 | 1737.8 | 1747.9 | 1753.0 | 1768.4 | 1799.0 | 1822.0 | 1824.5 |
| 167.5° | 1735.0 | 1739.8 | 1744.6 | 1745.8 | 1752.1 | 1760.6 | 1764.8 | 1775.0 | 1795.1 | 1810.2 | 1811.3 |
| 170°   | 1753.0 | 1757.8 | 1762.5 | 1763.7 | 1764.1 | 1764.6 | 1764.8 | 1775.0 | 1795.1 | 1810.2 | 1810.2 |
| 172.5° | 1762.5 | 1763.5 | 1764.6 | 1764.8 | 1764.8 | 1764.8 | 1764.8 | 1772.8 | 1788.7 | 1800.7 | 1799.7 |
| 175°   | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1772.0 | 1767.2 | 1764.8 | 1769.9 | 1779.9 | 1787.5 | 1787.5 |
| 177.5° | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1772.9 | 1769.1 | 1767.2 | 1771.2 | 1779.2 | 1785.1 | 1784.0 |
| 180°   | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 |

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CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1507.8 | 1507.8 |
| 2.5°   | 1609.7 | 1599.9 |
| 5°     | 2070.2 | 2079.9 |
| 7.5°   | 2787.7 | 2782.9 |
| 10°    | 3466.5 | 3510.1 |
| 12.5°  | 3961.1 | 3970.7 |
| 15°    | 4261.6 | 4281.0 |
| 17.5°  | 4378.0 | 4382.8 |
| 20°    | 4382.8 | 4373.1 |
| 22.5°  | 4329.5 | 4319.8 |
| 25°    | 4266.5 | 4261.6 |
| 27.5°  | 4208.3 | 4213.2 |
| 30°    | 4184.0 | 4198.6 |
| 32.5°  | 4184.0 | 4208.3 |
| 35°    | 4193.7 | 4217.9 |
| 37.5°  | 4188.9 | 4217.9 |
| 40°    | 4169.5 | 4203.4 |
| 42.5°  | 4116.1 | 4140.4 |
| 45°    | 4033.7 | 4062.9 |
| 47.5°  | 3927.1 | 3946.4 |
| 50°    | 3791.4 | 3810.7 |
| 52.5°  | 3621.6 | 3626.5 |
| 55°    | 3418.0 | 3437.4 |
| 57.5°  | 3199.8 | 3204.7 |
| 60°    | 2957.4 | 2972.0 |
| 62.5°  | 2700.5 | 2700.5 |
| 65°    | 2428.9 | 2438.7 |
| 67.5°  | 2147.8 | 2172.1 |
| 70°    | 1861.8 | 1866.5 |
| 72.5°  | 1580.5 | 1580.5 |
| 75°    | 1289.6 | 1294.5 |
| 77.5°  | 1013.3 | 1013.3 |
| 80°    | 751.5  | 756.4  |
| 82.5°  | 518.8  | 528.5  |
| 85°    | 324.8  | 324.8  |
| 87.5°  | 150.3  | 135.7  |
| 90°    | 45.3   | 45.3   |
| 92.5°  | 181.4  | 145.4  |
| 95°    | 632.2  | 523.1  |
| 97.5°  | 1514.9 | 1307.3 |
| 100°   | 2182.7 | 1935.3 |
| 102.5° | 2839.5 | 2627.7 |
| 105°   | 3676.9 | 3563.1 |
| 107.5° | 4225.6 | 4253.1 |
| 110°   | 4434.7 | 4553.4 |



TEST NUMBER: P937780

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 4453.5 | 4635.7 |
| 115°   | 4335.3 | 4587.9 |
| 117.5° | 4084.9 | 4365.1 |
| 120°   | 3883.1 | 4155.4 |
| 122.5° | 3686.6 | 3955.1 |
| 125°   | 3406.3 | 3653.6 |
| 127.5° | 3154.3 | 3362.9 |
| 130°   | 3005.7 | 3198.5 |
| 132.5° | 2870.9 | 3043.6 |
| 135°   | 2686.1 | 2835.0 |
| 137.5° | 2538.0 | 2659.9 |
| 140°   | 2436.4 | 2550.2 |
| 142.5° | 2352.1 | 2450.1 |
| 145°   | 2225.8 | 2299.9 |
| 147.5° | 2128.9 | 2190.3 |
| 150°   | 2067.9 | 2117.6 |
| 152.5° | 2015.6 | 2053.2 |
| 155°   | 1955.6 | 1980.6 |
| 157.5° | 1908.3 | 1925.8 |
| 160°   | 1879.9 | 1890.0 |
| 162.5° | 1861.4 | 1870.9 |
| 165°   | 1834.7 | 1844.7 |
| 167.5° | 1815.5 | 1819.7 |
| 170°   | 1810.2 | 1810.2 |
| 172.5° | 1796.0 | 1792.2 |
| 175°   | 1787.5 | 1787.5 |
| 177.5° | 1779.8 | 1775.6 |
| 180°   | 1775.6 | 1775.6 |

TEST NUMBER: P937780

CATALOG NUMBER: SQ4-FB-100U-125D-B2750-1D-UNV-W2A-W-12-4000K

**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 | 6.39             | 7.30  | 7.34  | 8.26  | 9.53  | 19.58          | 20.49 | 20.53 | 21.46 | 22.72 |
|                 | 3H   | 7.10             | 7.91  | 8.06  | 8.89  | 10.17 | 21.43          | 22.24 | 22.39 | 23.22 | 24.51 |
|                 | 4H   | 7.40             | 8.17  | 8.37  | 9.15  | 10.44 | 22.08          | 22.85 | 23.05 | 23.83 | 25.13 |
|                 | 6H   | 7.65             | 8.36  | 8.64  | 9.35  | 10.66 | 22.52          | 23.23 | 23.50 | 24.22 | 25.52 |
|                 | 8H   | 7.72             | 8.40  | 8.71  | 9.40  | 10.71 | 22.64          | 23.32 | 23.63 | 24.32 | 25.63 |
|                 | 12H  | 7.74             | 8.39  | 8.74  | 9.38  | 10.71 | 22.72          | 23.36 | 23.71 | 24.36 | 25.69 |
| 4H              | 2H   | 13.62            | 14.39 | 14.60 | 15.37 | 16.67 | 19.86          | 20.63 | 20.84 | 21.61 | 22.91 |
|                 | 3H   | 15.19            | 15.84 | 16.18 | 16.85 | 18.15 | 21.92          | 22.56 | 22.90 | 23.57 | 24.88 |
|                 | 4H   | 15.29            | 15.88 | 16.28 | 16.88 | 18.21 | 22.69          | 23.28 | 23.69 | 24.28 | 25.61 |
|                 | 6H   | 15.30            | 15.81 | 16.31 | 16.84 | 18.17 | 23.24          | 23.75 | 24.24 | 24.77 | 26.10 |
|                 | 8H   | 15.28            | 15.76 | 16.29 | 16.78 | 18.12 | 23.40          | 23.88 | 24.41 | 24.90 | 26.24 |
|                 | 12H  | 15.24            | 15.67 | 16.27 | 16.70 | 18.05 | 23.50          | 23.93 | 24.53 | 24.97 | 26.32 |
| 8H              | 4H   | 16.74            | 17.22 | 17.75 | 18.24 | 19.58 | 22.75          | 23.23 | 23.76 | 24.25 | 25.59 |
|                 | 6H   | 16.98            | 17.38 | 18.02 | 18.44 | 19.78 | 23.39          | 23.78 | 24.42 | 24.85 | 26.19 |
|                 | 8H   | 17.00            | 17.35 | 18.04 | 18.40 | 19.76 | 23.61          | 23.96 | 24.65 | 25.01 | 26.37 |
|                 | 12H  | 16.97            | 17.28 | 18.02 | 18.32 | 19.73 | 23.76          | 24.07 | 24.81 | 25.11 | 26.51 |
| 12H             | 4H   | 16.89            | 17.32 | 17.92 | 18.35 | 19.70 | 22.71          | 23.14 | 23.74 | 24.17 | 25.52 |
|                 | 6H   | 17.24            | 17.59 | 18.29 | 18.64 | 20.00 | 23.37          | 23.72 | 24.42 | 24.77 | 26.13 |
|                 | 8H   | 17.32            | 17.62 | 18.36 | 18.66 | 20.07 | 23.61          | 23.91 | 24.65 | 24.96 | 26.36 |