

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: P938180

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

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938180  
REPORT IS A COMBINATION OF REPORTS P933592 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-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**

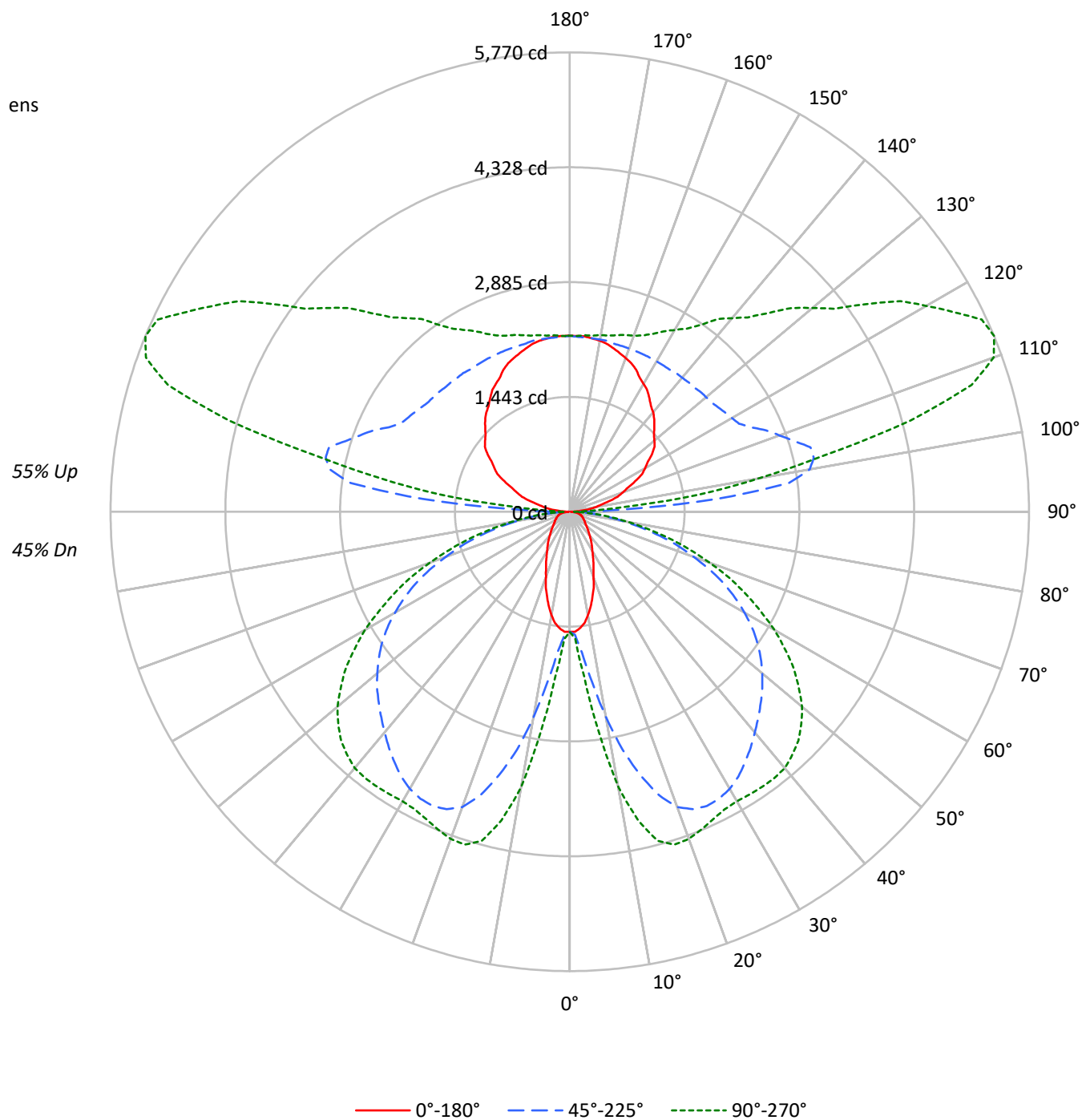
Lumens per Lamp: N/A  
Luminaire Lumens: 26000.8 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 225.6  
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: P938180

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

### Luminous Intensity Polar Plot



TEST NUMBER: P938180

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

**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  | 92  | 88  | 84  | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 44 | 42 |
| 2   | 87  | 79  | 73  | 68  | 79 | 73 | 67 | 63 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 |
| 3   | 79  | 69  | 62  | 56  | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 |
| 4   | 72  | 61  | 53  | 47  | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 25 |
| 5   | 66  | 54  | 46  | 39  | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 27 | 23 | 21 |
| 6   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 18 |
| 7   | 56  | 43  | 35  | 29  | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 22 | 18 | 16 |
| 8   | 52  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 |
| 9   | 48  | 35  | 28  | 23  | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 |
| 10  | 45  | 32  | 25  | 20  | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 |

**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   | 3.3       |
| 20°-30°   | 1512.0  | 5.8       |
| 30°-40°   | 1946.4  | 7.5       |
| 40°-50°   | 2174.1  | 8.4       |
| 50°-60°   | 2082.3  | 8.0       |
| 60°-70°   | 1650.2  | 6.3       |
| 70°-80°   | 970.4   | 3.7       |
| 80°-90°   | 278.0   | 1.1       |
| 90°-100°  | 1077.4  | 4.1       |
| 100°-110° | 2832.5  | 10.9      |
| 110°-120° | 2937.0  | 11.3      |
| 120°-130° | 2355.8  | 9.1       |
| 130°-140° | 1848.5  | 7.1       |
| 140°-150° | 1418.8  | 5.5       |
| 150°-160° | 1021.8  | 3.9       |
| 160°-170° | 625.2   | 2.4       |
| 170°-180° | 211.2   | 0.8       |
| 0°-30°    | 2571.5  | 9.9       |
| 0°-40°    | 4517.9  | 17.4      |
| 0°-60°    | 8774.2  | 33.7      |
| 0°-90°    | 11672.8 | 44.9      |
| 90°-120°  | 6846.8  | 26.3      |
| 90°-150°  | 12469.9 | 48.0      |
| 90°-180°  | 14328.0 | 55.1      |
| 0°-180°   | 26000.8 | 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°  | 15   | 42    | 113  | 56    | 56   | 16   |
| 95°  | 142  | 558   | 1856 | 957   | 651  | 158  |
| 105° | 510  | 773   | 3131 | 4754  | 4435 | 541  |
| 115° | 906  | 1101  | 2508 | 5003  | 5711 | 895  |
| 125° | 1261 | 1414  | 2281 | 3855  | 4548 | 1119 |
| 135° | 1503 | 1654  | 2210 | 3112  | 3529 | 1163 |
| 145° | 1743 | 1854  | 2182 | 2655  | 2863 | 1092 |
| 155° | 1970 | 2025  | 2182 | 2396  | 2465 | 905  |
| 165° | 2126 | 2154  | 2182 | 2268  | 2296 | 600  |
| 175° | 2210 | 2210  | 2197 | 2225  | 2225 | 210  |
| 180° | 2210 | 2210  | 2210 | 2210  | 2210 |      |

TEST NUMBER: P938180

CATALOG NUMBER: SQ4-FB-125U-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°    | 14.8   | 26.6   | 38.6   | 41.5   | 65.2   | 96.8   | 112.7  | 100.2  | 75.2   | 56.3   | 56.3   |
| 92.5°  | 59.3   | 160.2  | 261.1  | 286.3  | 402.5  | 557.4  | 634.9  | 556.4  | 399.5  | 281.8  | 270.6  |
| 95°    | 142.4  | 327.0  | 511.6  | 557.7  | 990.3  | 1567.3 | 1855.7 | 1655.9 | 1256.4 | 956.8  | 922.8  |
| 97.5°  | 246.2  | 409.0  | 571.9  | 612.6  | 1334.0 | 2295.9 | 2776.9 | 2650.6 | 2398.1 | 2208.7 | 2144.1 |
| 100°   | 326.3  | 474.1  | 621.7  | 658.7  | 1459.1 | 2526.5 | 3060.2 | 3069.5 | 3087.9 | 3101.7 | 3024.8 |
| 102.5° | 394.6  | 532.4  | 670.1  | 704.6  | 1516.5 | 2599.0 | 3140.3 | 3301.1 | 3622.9 | 3864.2 | 3798.3 |
| 105°   | 510.3  | 627.0  | 743.7  | 772.9  | 1559.0 | 2607.2 | 3131.3 | 3492.0 | 4213.3 | 4754.2 | 4718.8 |
| 107.5° | 629.0  | 737.7  | 846.5  | 873.7  | 1567.0 | 2491.3 | 2953.4 | 3456.4 | 4462.4 | 5217.0 | 5225.6 |
| 110°   | 709.1  | 807.3  | 905.5  | 930.1  | 1555.0 | 2388.4 | 2805.0 | 3367.4 | 4492.1 | 5335.7 | 5372.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 787.7  | 881.3  | 974.9  | 998.3  | 1555.5 | 2298.6 | 2670.1 | 3245.7 | 4396.7 | 5260.0 | 5316.8 |
| 115°   | 906.3  | 992.6  | 1079.1 | 1100.6 | 1569.9 | 2195.5 | 2508.4 | 3062.9 | 4171.7 | 5003.4 | 5082.0 |
| 117.5° | 1023.6 | 1102.0 | 1180.5 | 1200.1 | 1599.1 | 2131.1 | 2397.1 | 2897.6 | 3898.3 | 4648.8 | 4736.0 |
| 120°   | 1091.8 | 1165.6 | 1239.5 | 1257.9 | 1622.8 | 2109.4 | 2352.6 | 2809.9 | 3724.3 | 4410.1 | 4494.8 |
| 122.5° | 1158.5 | 1233.0 | 1307.5 | 1326.1 | 1656.9 | 2098.0 | 2318.5 | 2730.2 | 3553.7 | 4171.2 | 4254.8 |
| 125°   | 1260.9 | 1328.8 | 1396.7 | 1413.7 | 1703.0 | 2088.6 | 2281.4 | 2631.1 | 3330.7 | 3855.2 | 3932.2 |
| 127.5° | 1344.0 | 1412.5 | 1481.1 | 1498.2 | 1748.9 | 2083.1 | 2250.3 | 2550.5 | 3151.1 | 3601.6 | 3666.5 |
| 130°   | 1388.5 | 1462.3 | 1536.1 | 1554.5 | 1782.5 | 2086.5 | 2238.4 | 2505.7 | 3040.4 | 3441.4 | 3501.4 |
| 132.5° | 1434.4 | 1508.2 | 1582.1 | 1600.6 | 1809.7 | 2088.6 | 2228.0 | 2467.3 | 2946.0 | 3305.0 | 3358.7 |
| 135°   | 1502.7 | 1569.9 | 1637.2 | 1654.0 | 1839.4 | 2086.7 | 2210.3 | 2410.7 | 2811.5 | 3112.2 | 3158.5 |
| 137.5° | 1572.4 | 1639.0 | 1705.5 | 1722.2 | 1883.8 | 2099.5 | 2207.3 | 2376.7 | 2715.5 | 2969.7 | 3007.6 |
| 140°   | 1630.2 | 1691.5 | 1752.8 | 1768.2 | 1911.1 | 2101.6 | 2196.9 | 2343.2 | 2635.9 | 2855.4 | 2890.9 |
| 142.5° | 1674.7 | 1731.4 | 1788.1 | 1802.3 | 1933.8 | 2109.2 | 2196.9 | 2325.4 | 2582.6 | 2775.4 | 2805.9 |
| 145°   | 1743.0 | 1792.4 | 1841.9 | 1854.2 | 1963.5 | 2109.2 | 2182.1 | 2287.2 | 2497.5 | 2655.2 | 2678.3 |
| 147.5° | 1811.2 | 1859.3 | 1907.4 | 1919.5 | 2007.0 | 2123.7 | 2182.1 | 2264.8 | 2430.3 | 2554.3 | 2573.4 |
| 150°   | 1855.7 | 1899.2 | 1942.8 | 1953.6 | 2029.8 | 2131.3 | 2182.1 | 2252.0 | 2391.7 | 2496.5 | 2511.9 |
| 152.5° | 1901.7 | 1934.6 | 1967.7 | 1975.9 | 2044.7 | 2136.2 | 2182.1 | 2241.8 | 2361.0 | 2450.5 | 2462.3 |
| 155°   | 1969.9 | 1994.3 | 2018.7 | 2024.8 | 2077.2 | 2147.1 | 2182.1 | 2229.5 | 2324.5 | 2395.6 | 2403.4 |
| 157.5° | 2020.4 | 2044.1 | 2067.9 | 2073.8 | 2109.9 | 2158.0 | 2182.1 | 2218.9 | 2292.8 | 2348.2 | 2353.6 |
| 160°   | 2054.5 | 2072.9 | 2091.4 | 2096.0 | 2124.7 | 2163.0 | 2182.1 | 2213.7 | 2277.0 | 2324.5 | 2327.6 |
| 162.5° | 2088.6 | 2102.4 | 2116.3 | 2119.7 | 2140.5 | 2168.2 | 2182.1 | 2208.8 | 2262.2 | 2302.2 | 2305.2 |
| 165°   | 2125.6 | 2138.1 | 2150.7 | 2153.8 | 2163.3 | 2175.8 | 2182.1 | 2201.2 | 2239.4 | 2268.0 | 2271.2 |
| 167.5° | 2159.8 | 2165.7 | 2171.7 | 2173.1 | 2181.0 | 2191.6 | 2196.9 | 2209.4 | 2234.4 | 2253.2 | 2254.6 |
| 170°   | 2182.1 | 2188.0 | 2193.9 | 2195.4 | 2195.8 | 2196.5 | 2196.9 | 2209.4 | 2234.4 | 2253.2 | 2253.2 |
| 172.5° | 2193.9 | 2195.3 | 2196.6 | 2196.9 | 2196.9 | 2196.9 | 2196.9 | 2206.8 | 2226.6 | 2241.4 | 2240.2 |
| 175°   | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2205.8 | 2199.8 | 2196.9 | 2203.2 | 2215.7 | 2225.1 | 2225.1 |
| 177.5° | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2206.8 | 2202.1 | 2199.8 | 2204.8 | 2214.6 | 2222.1 | 2220.8 |
| 180°   | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 |

TEST NUMBER: P938180

CATALOG NUMBER: SQ4-FB-125U-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°    | 56.3   | 56.3   |
| 92.5°  | 225.8  | 181.0  |
| 95°    | 787.0  | 651.2  |
| 97.5°  | 1885.6 | 1627.2 |
| 100°   | 2716.9 | 2409.0 |
| 102.5° | 3534.6 | 3270.9 |
| 105°   | 4577.0 | 4435.3 |
| 107.5° | 5259.9 | 5294.1 |
| 110°   | 5520.3 | 5667.9 |



TEST NUMBER: P938180

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

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 5543.5 | 5770.3 |
| 115°   | 5396.5 | 5711.0 |
| 117.5° | 5084.8 | 5433.6 |
| 120°   | 4833.6 | 5172.5 |
| 122.5° | 4589.1 | 4923.3 |
| 125°   | 4240.1 | 4548.0 |
| 127.5° | 3926.3 | 4186.1 |
| 130°   | 3741.4 | 3981.4 |
| 132.5° | 3573.6 | 3788.5 |
| 135°   | 3343.6 | 3528.9 |
| 137.5° | 3159.2 | 3310.9 |
| 140°   | 3032.7 | 3174.4 |
| 142.5° | 2927.8 | 3049.8 |
| 145°   | 2770.6 | 2862.9 |
| 147.5° | 2649.9 | 2726.4 |
| 150°   | 2574.0 | 2636.0 |
| 152.5° | 2509.1 | 2555.9 |
| 155°   | 2434.4 | 2465.3 |
| 157.5° | 2375.4 | 2397.1 |
| 160°   | 2340.1 | 2352.6 |
| 162.5° | 2317.0 | 2328.9 |
| 165°   | 2283.7 | 2296.3 |
| 167.5° | 2259.8 | 2265.1 |
| 170°   | 2253.2 | 2253.2 |
| 172.5° | 2235.6 | 2231.0 |
| 175°   | 2225.1 | 2225.1 |
| 177.5° | 2215.5 | 2210.3 |
| 180°   | 2210.3 | 2210.3 |

TEST NUMBER: P938180

CATALOG NUMBER: SQ4-FB-125U-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 | 5.88             | 6.73  | 6.87  | 7.74  | 9.07  | 19.07          | 19.92 | 20.06 | 20.93 | 22.27 |
|                 | 3H   | 6.58             | 7.34  | 7.58  | 8.36  | 9.72  | 20.91          | 21.68 | 21.91 | 22.69 | 24.05 |
|                 | 4H   | 6.88             | 7.60  | 7.89  | 8.62  | 9.99  | 21.56          | 22.28 | 22.57 | 23.31 | 24.67 |
|                 | 6H   | 7.13             | 7.80  | 8.15  | 8.82  | 10.20 | 21.99          | 22.66 | 23.02 | 23.69 | 25.07 |
|                 | 8H   | 7.19             | 7.83  | 8.23  | 8.87  | 10.25 | 22.12          | 22.75 | 23.15 | 23.80 | 25.17 |
|                 | 12H  | 7.21             | 7.82  | 8.25  | 8.85  | 10.26 | 22.19          | 22.79 | 23.22 | 23.83 | 25.23 |
| 4H              | 2H   | 13.10            | 13.82 | 14.12 | 14.84 | 16.21 | 19.34          | 20.06 | 20.36 | 21.09 | 22.45 |
|                 | 3H   | 14.66            | 15.27 | 15.69 | 16.32 | 17.70 | 21.39          | 22.00 | 22.42 | 23.05 | 24.43 |
|                 | 4H   | 14.76            | 15.31 | 15.80 | 16.35 | 17.76 | 22.16          | 22.72 | 23.20 | 23.76 | 25.16 |
|                 | 6H   | 14.77            | 15.25 | 15.82 | 16.31 | 17.71 | 22.70          | 23.18 | 23.75 | 24.25 | 25.65 |
|                 | 8H   | 14.74            | 15.19 | 15.79 | 16.25 | 17.66 | 22.87          | 23.31 | 23.92 | 24.37 | 25.79 |
|                 | 12H  | 14.70            | 15.11 | 15.77 | 16.18 | 17.60 | 22.96          | 23.37 | 24.03 | 24.44 | 25.86 |
| 8H              | 4H   | 16.20            | 16.65 | 17.25 | 17.71 | 19.13 | 22.22          | 22.67 | 23.27 | 23.72 | 25.14 |
|                 | 6H   | 16.45            | 16.82 | 17.52 | 17.92 | 19.33 | 22.85          | 23.22 | 23.93 | 24.32 | 25.73 |
|                 | 8H   | 16.46            | 16.79 | 17.55 | 17.87 | 19.30 | 23.07          | 23.40 | 24.16 | 24.48 | 25.91 |
|                 | 12H  | 16.43            | 16.72 | 17.52 | 17.80 | 19.27 | 23.22          | 23.51 | 24.31 | 24.59 | 26.06 |
| 12H             | 4H   | 16.35            | 16.75 | 17.42 | 17.83 | 19.25 | 22.17          | 22.58 | 23.24 | 23.65 | 25.07 |
|                 | 6H   | 16.71            | 17.03 | 17.79 | 18.12 | 19.55 | 22.83          | 23.16 | 23.92 | 24.24 | 25.68 |
|                 | 8H   | 16.78            | 17.06 | 17.86 | 18.14 | 19.61 | 23.07          | 23.35 | 24.15 | 24.43 | 25.90 |