

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: P938192

Luminaire Tested: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-8-2700K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938192  
REPORT IS A COMBINATION OF REPORTS P933616 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-8-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

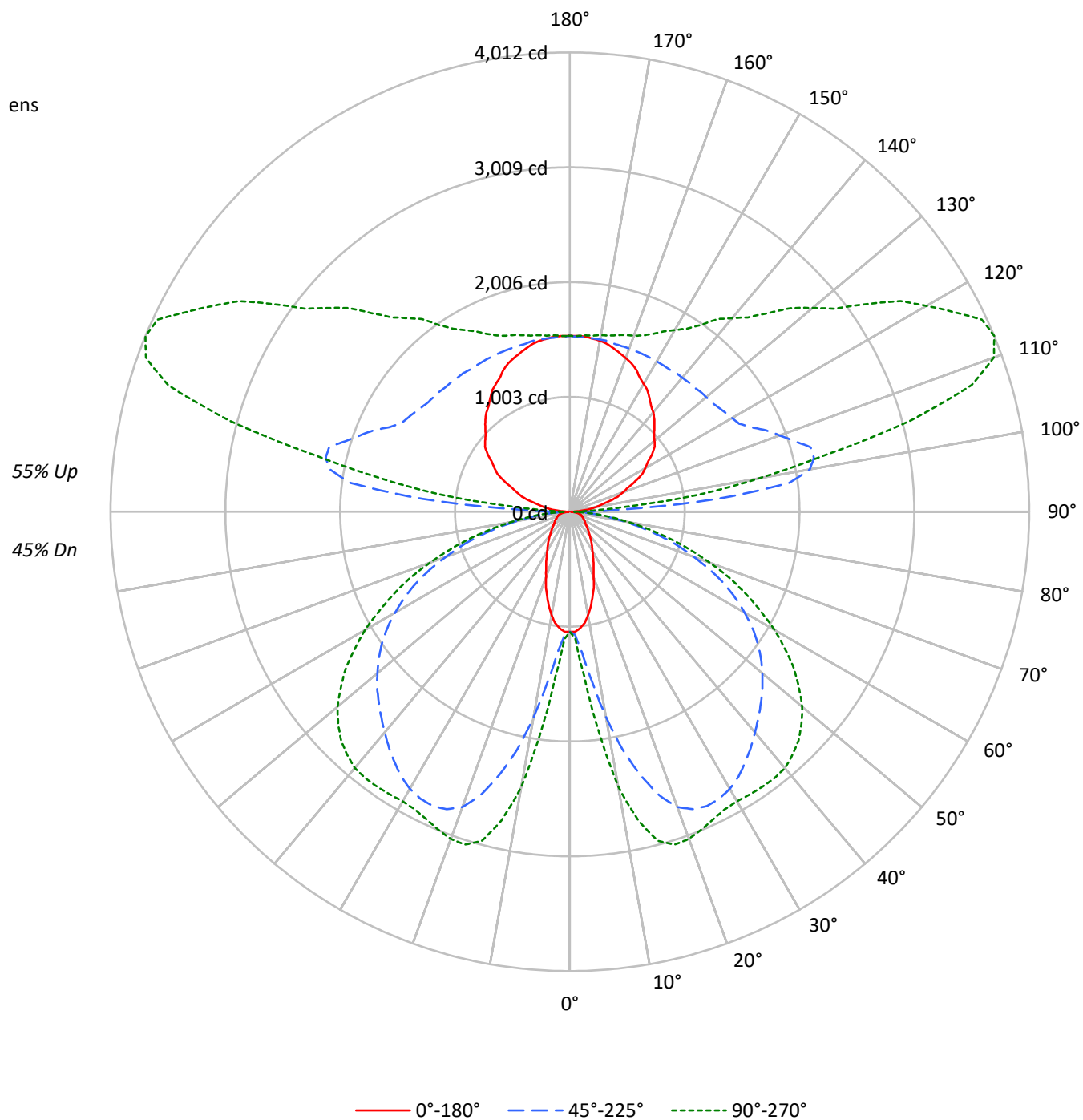
Lumens per Lamp: N/A  
Luminaire Lumens: 18078.4 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 150.4  
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: P938192

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-8-2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P938192

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-8-2700K

**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°  | 4864 | 4864  | 4864  |
| 5°  | 4752 | 5622  | 6538  |
| 10° | 4310 | 8195  | 10840 |
| 15° | 3663 | 10706 | 13088 |
| 20° | 2982 | 12408 | 13339 |
| 25° | 2488 | 12984 | 13068 |
| 30° | 2098 | 13066 | 13044 |
| 35° | 1855 | 12849 | 13380 |
| 40° | 1617 | 12567 | 13730 |
| 45° | 1464 | 12360 | 13783 |
| 50° | 1342 | 12175 | 13555 |
| 55° | 1286 | 11903 | 12954 |
| 60° | 1316 | 11379 | 12005 |
| 65° | 1370 | 10585 | 10702 |
| 70° | 1460 | 9231  | 9041  |
| 75° | 1617 | 7527  | 7055  |
| 80° | 1766 | 5220  | 4754  |
| 85° | 1570 | 2770  | 2434  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13783 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 135.6   | 0.8       |
| 10°-20°   | 601.1   | 3.3       |
| 20°-30°   | 1051.3  | 5.8       |
| 30°-40°   | 1353.4  | 7.5       |
| 40°-50°   | 1511.7  | 8.4       |
| 50°-60°   | 1447.8  | 8.0       |
| 60°-70°   | 1147.4  | 6.3       |
| 70°-80°   | 674.7   | 3.7       |
| 80°-90°   | 193.3   | 1.1       |
| 90°-100°  | 749.1   | 4.1       |
| 100°-110° | 1969.4  | 10.9      |
| 110°-120° | 2042.0  | 11.3      |
| 120°-130° | 1638.0  | 9.1       |
| 130°-140° | 1285.2  | 7.1       |
| 140°-150° | 986.5   | 5.5       |
| 150°-160° | 710.4   | 3.9       |
| 160°-170° | 434.7   | 2.4       |
| 170°-180° | 146.9   | 0.8       |
| 0°-30°    | 1788.0  | 9.9       |
| 0°-40°    | 3141.4  | 17.4      |
| 0°-60°    | 6100.9  | 33.7      |
| 0°-90°    | 8116.3  | 44.9      |
| 90°-120°  | 4760.5  | 26.3      |
| 90°-150°  | 8670.2  | 48.0      |
| 90°-180°  | 9962.0  | 55.1      |
| 0°-180°   | 18078.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1048 | 1048  | 1048 | 1048  | 1048 |      |
| 5°   | 1021 | 1096  | 1234 | 1396  | 1446 | 94   |
| 15°  | 765  | 1412  | 2380 | 2886  | 2977 | 213  |
| 25°  | 489  | 1601  | 2835 | 2960  | 2963 | 225  |
| 35°  | 330  | 1530  | 2670 | 2822  | 2933 | 206  |
| 45°  | 226  | 1220  | 2360 | 2704  | 2825 | 175  |
| 55°  | 162  | 775   | 2002 | 2326  | 2390 | 147  |
| 65°  | 128  | 411   | 1487 | 1672  | 1696 | 127  |
| 75°  | 94   | 253   | 816  | 897   | 900  | 99   |
| 85°  | 34   | 78    | 202  | 222   | 226  | 36   |
| 90°  | 10   | 29    | 78   | 39    | 39   | 11   |
| 95°  | 99   | 388   | 1290 | 665   | 453  | 110  |
| 105° | 355  | 537   | 2177 | 3306  | 3084 | 376  |
| 115° | 630  | 765   | 1744 | 3479  | 3971 | 622  |
| 125° | 877  | 983   | 1586 | 2680  | 3162 | 778  |
| 135° | 1045 | 1150  | 1537 | 2164  | 2454 | 808  |
| 145° | 1212 | 1289  | 1517 | 1846  | 1990 | 759  |
| 155° | 1370 | 1408  | 1517 | 1666  | 1714 | 629  |
| 165° | 1478 | 1498  | 1517 | 1577  | 1597 | 417  |
| 175° | 1537 | 1537  | 1528 | 1547  | 1547 | 146  |
| 180° | 1537 | 1537  | 1537 | 1537  | 1537 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 | 1048.4 |
| 2.5°   | 1048.4 | 1048.4 | 1055.2 | 1058.5 | 1065.2 | 1068.6 | 1075.4 | 1082.2 | 1102.4 | 1105.8 | 1112.4 |
| 5°     | 1021.4 | 1034.9 | 1078.8 | 1095.6 | 1142.8 | 1206.9 | 1233.8 | 1277.7 | 1368.6 | 1395.6 | 1412.4 |
| 7.5°   | 981.0  | 1011.3 | 1119.2 | 1146.2 | 1264.1 | 1432.7 | 1503.5 | 1597.9 | 1742.8 | 1813.6 | 1871.0 |
| 10°    | 916.9  | 981.0  | 1173.1 | 1237.1 | 1429.4 | 1685.5 | 1817.0 | 1948.5 | 2167.6 | 2265.4 | 2302.5 |
| 12.5°  | 846.1  | 950.7  | 1230.5 | 1318.1 | 1594.5 | 1968.7 | 2127.2 | 2272.1 | 2521.6 | 2653.0 | 2673.3 |
| 15°    | 765.2  | 906.9  | 1284.3 | 1412.4 | 1769.8 | 2204.6 | 2379.9 | 2558.6 | 2791.3 | 2885.6 | 2909.2 |
| 17.5°  | 694.4  | 873.1  | 1334.9 | 1469.8 | 1904.7 | 2417.1 | 2595.7 | 2744.1 | 2932.8 | 2996.9 | 3013.7 |
| 20°    | 606.8  | 819.2  | 1368.6 | 1543.9 | 2046.3 | 2572.2 | 2744.1 | 2858.6 | 2986.8 | 3027.2 | 3033.9 |
| 22.5°  | 542.7  | 761.8  | 1388.9 | 1570.9 | 2140.6 | 2666.5 | 2811.5 | 2902.4 | 2990.1 | 3003.6 | 3007.0 |
| 25°    | 488.8  | 697.8  | 1385.5 | 1601.3 | 2221.6 | 2723.9 | 2835.1 | 2902.4 | 2953.0 | 2959.8 | 2959.8 |
| 27.5°  | 438.2  | 627.0  | 1372.0 | 1608.0 | 2282.2 | 2737.3 | 2825.0 | 2872.2 | 2895.8 | 2909.2 | 2909.2 |
| 30°    | 394.4  | 559.6  | 1338.3 | 1594.5 | 2309.2 | 2723.9 | 2794.6 | 2818.2 | 2841.8 | 2862.0 | 2872.2 |
| 32.5°  | 360.8  | 495.5  | 1287.7 | 1567.5 | 2312.5 | 2690.1 | 2740.7 | 2754.1 | 2787.9 | 2835.1 | 2851.9 |
| 35°    | 330.4  | 431.5  | 1230.5 | 1530.5 | 2292.3 | 2636.2 | 2669.9 | 2683.3 | 2750.8 | 2821.6 | 2845.2 |
| 37.5°  | 300.0  | 384.3  | 1156.3 | 1466.4 | 2262.0 | 2572.2 | 2595.7 | 2619.3 | 2723.9 | 2808.1 | 2835.1 |
| 40°    | 269.7  | 343.8  | 1068.6 | 1395.6 | 2214.8 | 2494.6 | 2514.8 | 2551.9 | 2690.1 | 2787.9 | 2814.8 |
| 42.5°  | 246.1  | 310.2  | 974.3  | 1321.5 | 2154.1 | 2406.9 | 2437.3 | 2491.2 | 2649.7 | 2754.1 | 2784.5 |
| 45°    | 225.9  | 276.4  | 873.1  | 1220.3 | 2076.6 | 2315.9 | 2359.7 | 2433.9 | 2602.4 | 2703.6 | 2730.5 |
| 47.5°  | 205.7  | 252.8  | 768.6  | 1115.8 | 1992.3 | 2224.9 | 2282.2 | 2366.5 | 2538.4 | 2636.2 | 2659.8 |
| 50°    | 188.7  | 229.3  | 664.1  | 1004.6 | 1901.3 | 2127.2 | 2194.6 | 2282.2 | 2457.5 | 2548.6 | 2578.8 |
| 52.5°  | 175.3  | 209.0  | 566.3  | 893.3  | 1796.8 | 2026.0 | 2103.6 | 2194.6 | 2359.7 | 2447.4 | 2467.6 |
| 55°    | 161.8  | 192.1  | 482.1  | 775.4  | 1688.9 | 1918.1 | 2002.5 | 2090.1 | 2251.9 | 2326.1 | 2339.5 |
| 57.5°  | 155.1  | 178.7  | 411.2  | 664.1  | 1574.3 | 1796.8 | 1891.2 | 1972.1 | 2123.8 | 2181.0 | 2194.6 |
| 60°    | 144.9  | 168.5  | 357.4  | 569.7  | 1449.6 | 1682.1 | 1763.0 | 1844.0 | 1972.1 | 2019.3 | 2029.4 |
| 62.5°  | 134.9  | 161.8  | 316.9  | 478.7  | 1321.5 | 1547.3 | 1628.3 | 1702.4 | 1810.2 | 1844.0 | 1857.4 |
| 65°    | 128.1  | 155.1  | 286.5  | 411.2  | 1190.0 | 1405.8 | 1486.6 | 1550.7 | 1638.3 | 1672.1 | 1678.8 |
| 67.5°  | 121.3  | 148.3  | 262.9  | 354.0  | 1058.5 | 1264.1 | 1324.8 | 1385.5 | 1453.0 | 1486.6 | 1490.0 |
| 70°    | 111.3  | 141.6  | 242.7  | 313.5  | 923.7  | 1102.4 | 1152.9 | 1216.9 | 1270.9 | 1287.7 | 1297.9 |
| 72.5°  | 104.5  | 131.5  | 229.3  | 283.2  | 785.4  | 947.3  | 994.5  | 1031.6 | 1078.8 | 1095.6 | 1095.6 |
| 75°    | 94.4   | 118.0  | 215.7  | 252.8  | 643.9  | 775.4  | 815.8  | 852.9  | 889.9  | 896.7  | 886.6  |
| 77.5°  | 84.3   | 104.5  | 185.5  | 212.3  | 502.3  | 613.5  | 647.2  | 667.5  | 697.8  | 704.6  | 708.0  |
| 80°    | 70.8   | 91.0   | 144.9  | 165.1  | 364.0  | 451.7  | 475.3  | 492.2  | 519.1  | 519.1  | 525.9  |
| 82.5°  | 54.0   | 70.8   | 104.5  | 118.0  | 246.1  | 310.2  | 330.4  | 340.4  | 357.4  | 357.4  | 357.4  |
| 85°    | 33.7   | 43.8   | 67.4   | 77.5   | 148.3  | 188.7  | 202.3  | 205.7  | 219.1  | 222.5  | 222.5  |
| 87.5°  | 16.8   | 23.6   | 43.8   | 47.2   | 77.5   | 97.8   | 97.8   | 104.5  | 104.5  | 101.1  | 97.8   |
| 90°    | 10.4   | 18.6   | 26.8   | 28.9   | 45.4   | 67.4   | 78.4   | 69.6   | 52.2   | 39.1   | 39.1   |
| 92.5°  | 41.2   | 111.4  | 181.6  | 199.1  | 279.9  | 387.5  | 441.4  | 386.8  | 277.8  | 195.9  | 188.1  |
| 95°    | 99.0   | 227.4  | 355.8  | 387.8  | 688.6  | 1089.7 | 1290.2 | 1151.4 | 873.6  | 665.2  | 641.6  |
| 97.5°  | 171.2  | 284.5  | 397.7  | 426.0  | 927.6  | 1596.4 | 1930.7 | 1843.0 | 1667.4 | 1535.7 | 1490.8 |
| 100°   | 226.9  | 329.6  | 432.3  | 458.0  | 1014.5 | 1756.6 | 2127.8 | 2134.1 | 2147.0 | 2156.6 | 2103.2 |
| 102.5° | 274.3  | 370.1  | 465.9  | 489.9  | 1054.5 | 1807.1 | 2183.4 | 2295.3 | 2519.0 | 2686.7 | 2640.9 |
| 105°   | 354.8  | 435.9  | 517.0  | 537.3  | 1083.9 | 1812.8 | 2177.3 | 2427.9 | 2929.4 | 3305.5 | 3280.9 |
| 107.5° | 437.3  | 512.9  | 588.5  | 607.5  | 1089.4 | 1732.1 | 2053.5 | 2403.2 | 3102.7 | 3627.3 | 3633.3 |
| 110°   | 493.0  | 561.3  | 629.7  | 646.7  | 1081.3 | 1660.6 | 1950.4 | 2341.4 | 3123.4 | 3709.8 | 3735.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 547.7  | 612.7  | 677.9  | 694.1  | 1081.6 | 1598.2 | 1856.4 | 2256.6 | 3056.9 | 3657.2 | 3696.7 |
| 115°   | 630.2  | 690.2  | 750.2  | 765.2  | 1091.5 | 1526.6 | 1744.1 | 2129.5 | 2900.6 | 3478.8 | 3533.5 |
| 117.5° | 711.6  | 766.2  | 820.7  | 834.3  | 1111.8 | 1481.7 | 1666.7 | 2014.6 | 2710.4 | 3232.3 | 3293.0 |
| 120°   | 759.1  | 810.4  | 861.7  | 874.6  | 1128.3 | 1466.6 | 1635.7 | 1953.7 | 2589.4 | 3066.3 | 3125.1 |
| 122.5° | 805.5  | 857.3  | 909.0  | 922.0  | 1152.0 | 1458.6 | 1612.0 | 1898.3 | 2470.9 | 2900.3 | 2958.3 |
| 125°   | 876.7  | 923.9  | 971.1  | 982.9  | 1183.9 | 1452.2 | 1586.2 | 1829.5 | 2315.8 | 2680.5 | 2734.0 |
| 127.5° | 934.4  | 982.2  | 1029.8 | 1041.7 | 1216.0 | 1448.4 | 1564.6 | 1773.4 | 2191.0 | 2504.1 | 2549.3 |
| 130°   | 965.3  | 1016.7 | 1068.0 | 1080.9 | 1239.3 | 1450.7 | 1556.3 | 1742.2 | 2114.0 | 2392.8 | 2434.5 |
| 132.5° | 997.3  | 1048.7 | 1100.0 | 1112.8 | 1258.2 | 1452.2 | 1549.1 | 1715.5 | 2048.3 | 2297.9 | 2335.2 |
| 135°   | 1044.8 | 1091.5 | 1138.3 | 1150.0 | 1278.9 | 1450.8 | 1536.7 | 1676.1 | 1954.7 | 2163.8 | 2196.0 |
| 137.5° | 1093.2 | 1139.5 | 1185.8 | 1197.4 | 1309.8 | 1459.7 | 1534.6 | 1652.5 | 1888.1 | 2064.8 | 2091.2 |
| 140°   | 1133.4 | 1176.1 | 1218.7 | 1229.4 | 1328.8 | 1461.2 | 1527.5 | 1629.3 | 1832.7 | 1985.4 | 2010.0 |
| 142.5° | 1164.4 | 1203.9 | 1243.2 | 1253.1 | 1344.5 | 1466.5 | 1527.5 | 1616.8 | 1795.6 | 1929.7 | 1950.9 |
| 145°   | 1211.8 | 1246.2 | 1280.7 | 1289.2 | 1365.2 | 1466.5 | 1517.1 | 1590.2 | 1736.5 | 1846.2 | 1862.2 |
| 147.5° | 1259.3 | 1292.8 | 1326.3 | 1334.6 | 1395.5 | 1476.6 | 1517.1 | 1574.7 | 1689.7 | 1776.1 | 1789.3 |
| 150°   | 1290.2 | 1320.5 | 1350.8 | 1358.3 | 1411.2 | 1481.8 | 1517.1 | 1565.7 | 1662.9 | 1735.8 | 1746.6 |
| 152.5° | 1322.2 | 1345.1 | 1368.0 | 1373.8 | 1421.6 | 1485.2 | 1517.1 | 1558.6 | 1641.6 | 1703.9 | 1712.0 |
| 155°   | 1369.7 | 1386.6 | 1403.6 | 1407.8 | 1444.3 | 1492.8 | 1517.1 | 1550.2 | 1616.2 | 1665.7 | 1671.1 |
| 157.5° | 1404.8 | 1421.2 | 1437.7 | 1441.8 | 1466.9 | 1500.4 | 1517.1 | 1542.8 | 1594.1 | 1632.6 | 1636.4 |
| 160°   | 1428.5 | 1441.3 | 1454.2 | 1457.3 | 1477.3 | 1503.9 | 1517.1 | 1539.1 | 1583.1 | 1616.1 | 1618.3 |
| 162.5° | 1452.2 | 1461.7 | 1471.4 | 1473.8 | 1488.2 | 1507.4 | 1517.1 | 1535.6 | 1572.8 | 1600.7 | 1602.8 |
| 165°   | 1478.0 | 1486.7 | 1495.4 | 1497.6 | 1504.1 | 1512.7 | 1517.1 | 1530.5 | 1557.0 | 1577.0 | 1579.2 |
| 167.5° | 1501.7 | 1505.8 | 1509.9 | 1510.9 | 1516.4 | 1523.8 | 1527.5 | 1536.1 | 1553.6 | 1566.6 | 1567.5 |
| 170°   | 1517.1 | 1521.3 | 1525.5 | 1526.5 | 1526.8 | 1527.3 | 1527.5 | 1536.1 | 1553.6 | 1566.6 | 1566.6 |
| 172.5° | 1525.4 | 1526.3 | 1527.3 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1534.3 | 1548.1 | 1558.4 | 1557.6 |
| 175°   | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1533.6 | 1529.6 | 1527.5 | 1531.8 | 1540.5 | 1547.1 | 1547.1 |
| 177.5° | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1534.3 | 1531.2 | 1529.6 | 1532.9 | 1539.8 | 1545.0 | 1544.1 |
| 180°   | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1536.7 | 1536.7 |

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CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1048.4 | 1048.4 |
| 2.5°   | 1119.2 | 1112.4 |
| 5°     | 1439.4 | 1446.2 |
| 7.5°   | 1938.3 | 1935.0 |
| 10°    | 2410.3 | 2440.7 |
| 12.5°  | 2754.1 | 2760.9 |
| 15°    | 2963.2 | 2976.6 |
| 17.5°  | 3044.1 | 3047.5 |
| 20°    | 3047.5 | 3040.7 |
| 22.5°  | 3010.4 | 3003.6 |
| 25°    | 2966.6 | 2963.2 |
| 27.5°  | 2926.0 | 2929.4 |
| 30°    | 2909.2 | 2919.4 |
| 32.5°  | 2909.2 | 2926.0 |
| 35°    | 2916.0 | 2932.8 |
| 37.5°  | 2912.6 | 2932.8 |
| 40°    | 2899.2 | 2922.8 |
| 42.5°  | 2862.0 | 2878.9 |
| 45°    | 2804.7 | 2825.0 |
| 47.5°  | 2730.5 | 2744.1 |
| 50°    | 2636.2 | 2649.7 |
| 52.5°  | 2518.2 | 2521.6 |
| 55°    | 2376.6 | 2390.1 |
| 57.5°  | 2224.9 | 2228.3 |
| 60°    | 2056.3 | 2066.5 |
| 62.5°  | 1877.7 | 1877.7 |
| 65°    | 1688.9 | 1695.7 |
| 67.5°  | 1493.4 | 1510.2 |
| 70°    | 1294.5 | 1297.9 |
| 72.5°  | 1099.0 | 1099.0 |
| 75°    | 896.7  | 900.1  |
| 77.5°  | 704.6  | 704.6  |
| 80°    | 522.5  | 525.9  |
| 82.5°  | 360.8  | 367.4  |
| 85°    | 225.9  | 225.9  |
| 87.5°  | 104.5  | 94.4   |
| 90°    | 39.1   | 39.1   |
| 92.5°  | 157.0  | 125.8  |
| 95°    | 547.2  | 452.8  |
| 97.5°  | 1311.1 | 1131.5 |
| 100°   | 1889.0 | 1675.0 |
| 102.5° | 2457.5 | 2274.2 |
| 105°   | 3182.3 | 3083.8 |
| 107.5° | 3657.1 | 3680.9 |
| 110°   | 3838.2 | 3940.9 |



TEST NUMBER: P938192

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3854.3 | 4012.0 |
| 115°   | 3752.1 | 3970.8 |
| 117.5° | 3535.4 | 3777.9 |
| 120°   | 3360.8 | 3596.4 |
| 122.5° | 3190.8 | 3423.2 |
| 125°   | 2948.2 | 3162.2 |
| 127.5° | 2729.9 | 2910.5 |
| 130°   | 2601.4 | 2768.2 |
| 132.5° | 2484.7 | 2634.1 |
| 135°   | 2324.9 | 2453.6 |
| 137.5° | 2196.6 | 2302.1 |
| 140°   | 2108.6 | 2207.1 |
| 142.5° | 2035.6 | 2120.5 |
| 145°   | 1926.4 | 1990.5 |
| 147.5° | 1842.5 | 1895.7 |
| 150°   | 1789.7 | 1832.7 |
| 152.5° | 1744.5 | 1777.1 |
| 155°   | 1692.6 | 1714.1 |
| 157.5° | 1651.6 | 1666.7 |
| 160°   | 1627.0 | 1635.7 |
| 162.5° | 1611.0 | 1619.3 |
| 165°   | 1587.8 | 1596.6 |
| 167.5° | 1571.2 | 1574.9 |
| 170°   | 1566.6 | 1566.6 |
| 172.5° | 1554.4 | 1551.2 |
| 175°   | 1547.1 | 1547.1 |
| 177.5° | 1540.4 | 1536.7 |
| 180°   | 1536.7 | 1536.7 |

TEST NUMBER: P938192

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-8-2700K

**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 | 6.02             | 6.87  | 7.01  | 7.88  | 9.21  | 19.20          | 20.05 | 20.19 | 21.05 | 22.39 |
|                 | 3H   | 6.72             | 7.48  | 7.72  | 8.50  | 9.86  | 21.03          | 21.80 | 22.04 | 22.82 | 24.18 |
|                 | 4H   | 7.02             | 7.74  | 8.03  | 8.76  | 10.13 | 21.68          | 22.40 | 22.69 | 23.42 | 24.79 |
|                 | 6H   | 7.27             | 7.94  | 8.29  | 8.96  | 10.34 | 22.11          | 22.78 | 23.13 | 23.80 | 25.18 |
|                 | 8H   | 7.34             | 7.97  | 8.37  | 9.02  | 10.39 | 22.23          | 22.87 | 23.26 | 23.91 | 25.28 |
|                 | 12H  | 7.35             | 7.96  | 8.39  | 9.00  | 10.40 | 22.30          | 22.90 | 23.33 | 23.94 | 25.34 |
| 4H              | 2H   | 13.23            | 13.96 | 14.25 | 14.98 | 16.34 | 19.47          | 20.19 | 20.49 | 21.21 | 22.58 |
|                 | 3H   | 14.80            | 15.40 | 15.83 | 16.45 | 17.83 | 21.51          | 22.12 | 22.54 | 23.17 | 24.55 |
|                 | 4H   | 14.89            | 15.45 | 15.93 | 16.49 | 17.89 | 22.28          | 22.84 | 23.32 | 23.88 | 25.28 |
|                 | 6H   | 14.90            | 15.38 | 15.95 | 16.45 | 17.84 | 22.82          | 23.30 | 23.87 | 24.36 | 25.76 |
|                 | 8H   | 14.88            | 15.33 | 15.93 | 16.38 | 17.80 | 22.98          | 23.43 | 24.03 | 24.49 | 25.90 |
|                 | 12H  | 14.83            | 15.24 | 15.90 | 16.31 | 17.73 | 23.07          | 23.48 | 24.14 | 24.55 | 25.97 |
| 8H              | 4H   | 16.34            | 16.78 | 17.39 | 17.84 | 19.26 | 22.34          | 22.79 | 23.39 | 23.84 | 25.26 |
|                 | 6H   | 16.58            | 16.95 | 17.65 | 18.05 | 19.46 | 22.97          | 23.34 | 24.04 | 24.44 | 25.85 |
|                 | 8H   | 16.59            | 16.92 | 17.68 | 18.00 | 19.44 | 23.19          | 23.51 | 24.27 | 24.60 | 26.03 |
|                 | 12H  | 16.56            | 16.85 | 17.65 | 17.93 | 19.40 | 23.33          | 23.62 | 24.42 | 24.70 | 26.17 |
| 12H             | 4H   | 16.48            | 16.88 | 17.55 | 17.96 | 19.38 | 22.29          | 22.70 | 23.36 | 23.77 | 25.19 |
|                 | 6H   | 16.84            | 17.16 | 17.92 | 18.24 | 19.68 | 22.95          | 23.28 | 24.03 | 24.36 | 25.79 |
|                 | 8H   | 16.90            | 17.19 | 17.99 | 18.27 | 19.74 | 23.18          | 23.47 | 24.27 | 24.55 | 26.02 |

END OF REPORT