

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: P938130

Luminaire Tested: SQ4-FB-125U-125D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

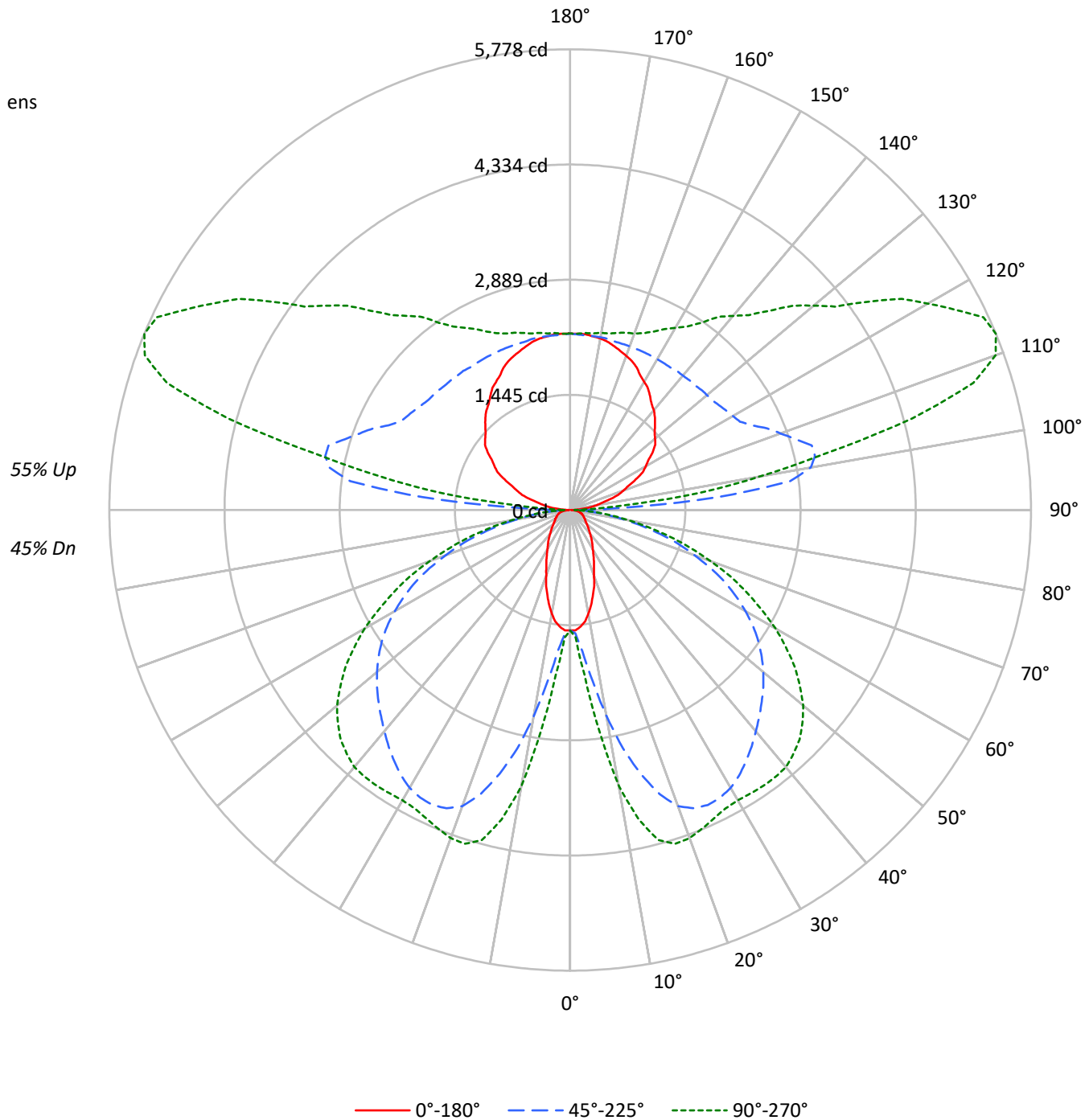
Test Method: LM-79-2019  
Report Number: P938130  
REPORT IS A COMBINATION OF REPORTS P933592 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-125D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26033.3 lumens  
Efficiency: N/A  
Efficacy: 115.4 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: P938130  
CATALOG NUMBER: SQ4-FB-125U-125D-92765-1D-UNV-STD-W-12-6500K

### Luminous Intensity Polar Plot





TEST NUMBER: P938130

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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 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1   | 96  | 92  | 88  | 84  | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 44 | 42 | 37 |
| 2   | 87  | 79  | 73  | 68  | 79 | 73 | 67 | 63 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 | 30 |
| 3   | 79  | 69  | 62  | 56  | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 |
| 4   | 72  | 61  | 53  | 47  | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 25 | 21 |
| 5   | 66  | 54  | 46  | 39  | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 27 | 23 | 21 | 18 |
| 6   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 18 | 15 |
| 7   | 56  | 43  | 35  | 29  | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 22 | 18 | 16 | 13 |
| 8   | 52  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 12 |
| 9   | 48  | 35  | 28  | 23  | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 10 |
| 10  | 45  | 32  | 25  | 20  | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 | 9  |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4670 | 4670  | 4670  |
| 5°  | 4563 | 5399  | 6277  |
| 10° | 4141 | 7871  | 10406 |
| 15° | 3521 | 10286 | 12565 |
| 20° | 2867 | 11923 | 12805 |
| 25° | 2393 | 12480 | 12545 |
| 30° | 2019 | 12562 | 12521 |
| 35° | 1786 | 12356 | 12845 |
| 40° | 1557 | 12089 | 13180 |
| 45° | 1411 | 11894 | 13232 |
| 50° | 1295 | 11719 | 13013 |
| 55° | 1242 | 11462 | 12436 |
| 60° | 1273 | 10963 | 11525 |
| 65° | 1326 | 10203 | 10273 |
| 70° | 1416 | 8904  | 8679  |
| 75° | 1575 | 7267  | 6773  |
| 80° | 1733 | 5045  | 4564  |
| 85° | 1575 | 2682  | 2336  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 13232 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 195.3   | 0.8       |
| 10°-20°   | 865.5   | 3.3       |
| 20°-30°   | 1513.9  | 5.8       |
| 30°-40°   | 1948.8  | 7.5       |
| 40°-50°   | 2176.8  | 8.4       |
| 50°-60°   | 2084.9  | 8.0       |
| 60°-70°   | 1652.3  | 6.3       |
| 70°-80°   | 971.6   | 3.7       |
| 80°-90°   | 278.4   | 1.1       |
| 90°-100°  | 1078.7  | 4.1       |
| 100°-110° | 2836.0  | 10.9      |
| 110°-120° | 2940.6  | 11.3      |
| 120°-130° | 2358.8  | 9.1       |
| 130°-140° | 1850.8  | 7.1       |
| 140°-150° | 1420.5  | 5.5       |
| 150°-160° | 1023.0  | 3.9       |
| 160°-170° | 626.0   | 2.4       |
| 170°-180° | 211.5   | 0.8       |
| 0°-30°    | 2574.7  | 9.9       |
| 0°-40°    | 4523.5  | 17.4      |
| 0°-60°    | 8785.2  | 33.7      |
| 0°-90°    | 11687.4 | 44.9      |
| 90°-120°  | 6855.4  | 26.3      |
| 90°-150°  | 12485.5 | 48.0      |
| 90°-180°  | 14346.0 | 55.1      |
| 0°-180°   | 26033.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1510 | 1510  | 1510 | 1510  | 1510 |      |
| 5°   | 1471 | 1578  | 1777 | 2010  | 2082 | 136  |
| 15°  | 1102 | 2034  | 3427 | 4155  | 4286 | 307  |
| 25°  | 704  | 2306  | 4082 | 4262  | 4267 | 324  |
| 35°  | 476  | 2204  | 3845 | 4063  | 4223 | 297  |
| 45°  | 325  | 1757  | 3398 | 3893  | 4068 | 252  |
| 55°  | 233  | 1116  | 2884 | 3349  | 3442 | 212  |
| 65°  | 184  | 592   | 2141 | 2408  | 2442 | 183  |
| 75°  | 136  | 364   | 1175 | 1291  | 1296 | 142  |
| 85°  | 49   | 112   | 291  | 320   | 325  | 51   |
| 90°  | 15   | 42    | 113  | 56    | 56   | 16   |
| 95°  | 143  | 558   | 1858 | 958   | 652  | 158  |
| 105° | 511  | 774   | 3135 | 4760  | 4441 | 542  |
| 115° | 907  | 1102  | 2512 | 5010  | 5718 | 896  |
| 125° | 1262 | 1416  | 2284 | 3860  | 4554 | 1121 |
| 135° | 1505 | 1656  | 2213 | 3116  | 3533 | 1164 |
| 145° | 1745 | 1856  | 2185 | 2658  | 2866 | 1093 |
| 155° | 1972 | 2027  | 2185 | 2399  | 2468 | 906  |
| 165° | 2128 | 2156  | 2185 | 2271  | 2299 | 601  |
| 175° | 2213 | 2213  | 2200 | 2228  | 2228 | 210  |
| 180° | 2213 | 2213  | 2213 | 2213  | 2213 |      |



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CATALOG NUMBER: SQ4-FB-125U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1509.7 | 1509.7 | 1509.7 | 1509.7 | 1509.7 | 1509.7 | 1509.7 | 1509.7 | 1509.7 | 1509.7 | 1509.7 |
| 2.5°   | 1509.7 | 1509.7 | 1519.4 | 1524.3 | 1533.9 | 1538.8 | 1548.6 | 1558.2 | 1587.4 | 1592.3 | 1601.9 |
| 5°     | 1470.8 | 1490.2 | 1553.3 | 1577.6 | 1645.6 | 1737.9 | 1776.7 | 1839.8 | 1970.8 | 2009.7 | 2033.9 |
| 7.5°   | 1412.6 | 1456.3 | 1611.7 | 1650.5 | 1820.4 | 2063.1 | 2165.0 | 2301.0 | 2509.7 | 2611.6 | 2694.2 |
| 10°    | 1320.4 | 1412.6 | 1689.3 | 1781.5 | 2058.2 | 2427.1 | 2616.4 | 2805.8 | 3121.3 | 3262.1 | 3315.5 |
| 12.5°  | 1218.5 | 1368.9 | 1771.8 | 1898.0 | 2296.1 | 2834.9 | 3063.1 | 3271.8 | 3631.0 | 3820.4 | 3849.4 |
| 15°    | 1101.9 | 1305.8 | 1849.5 | 2033.9 | 2548.5 | 3174.8 | 3427.1 | 3684.4 | 4019.4 | 4155.3 | 4189.3 |
| 17.5°  | 1000.0 | 1257.3 | 1922.3 | 2116.4 | 2742.6 | 3480.5 | 3737.9 | 3951.4 | 4223.2 | 4315.5 | 4339.8 |
| 20°    | 873.8  | 1179.6 | 1970.8 | 2223.2 | 2946.6 | 3703.8 | 3951.4 | 4116.4 | 4301.0 | 4359.2 | 4368.8 |
| 22.5°  | 781.5  | 1097.0 | 2000.0 | 2262.1 | 3082.5 | 3839.8 | 4048.5 | 4179.5 | 4305.7 | 4325.1 | 4330.0 |
| 25°    | 703.9  | 1004.9 | 1995.1 | 2305.8 | 3198.9 | 3922.3 | 4082.5 | 4179.5 | 4252.4 | 4262.0 | 4262.0 |
| 27.5°  | 631.1  | 902.9  | 1975.7 | 2315.5 | 3286.3 | 3941.7 | 4067.9 | 4135.8 | 4169.9 | 4189.3 | 4189.3 |
| 30°    | 568.0  | 805.8  | 1927.1 | 2296.1 | 3325.2 | 3922.3 | 4024.2 | 4058.2 | 4092.2 | 4121.3 | 4135.8 |
| 32.5°  | 519.4  | 713.6  | 1854.3 | 2257.3 | 3330.0 | 3873.7 | 3946.6 | 3966.0 | 4014.5 | 4082.5 | 4106.8 |
| 35°    | 475.7  | 621.3  | 1771.8 | 2203.8 | 3301.0 | 3796.1 | 3844.6 | 3864.1 | 3961.1 | 4063.1 | 4097.0 |
| 37.5°  | 432.0  | 553.3  | 1665.0 | 2111.7 | 3257.3 | 3703.8 | 3737.9 | 3771.8 | 3922.3 | 4043.6 | 4082.5 |
| 40°    | 388.3  | 495.1  | 1538.8 | 2009.7 | 3189.3 | 3592.2 | 3621.3 | 3674.7 | 3873.7 | 4014.5 | 4053.3 |
| 42.5°  | 354.4  | 446.6  | 1402.9 | 1902.9 | 3101.9 | 3466.0 | 3509.7 | 3587.3 | 3815.5 | 3966.0 | 4009.7 |
| 45°    | 325.2  | 398.1  | 1257.3 | 1757.3 | 2990.2 | 3334.9 | 3398.0 | 3504.8 | 3747.5 | 3893.1 | 3932.0 |
| 47.5°  | 296.1  | 364.1  | 1106.8 | 1606.8 | 2868.9 | 3203.8 | 3286.3 | 3407.7 | 3655.3 | 3796.1 | 3830.0 |
| 50°    | 271.8  | 330.1  | 956.3  | 1446.6 | 2737.9 | 3063.1 | 3160.1 | 3286.3 | 3538.8 | 3669.9 | 3713.6 |
| 52.5°  | 252.4  | 301.0  | 815.5  | 1286.4 | 2587.4 | 2917.4 | 3029.1 | 3160.1 | 3398.0 | 3524.2 | 3553.3 |
| 55°    | 233.0  | 276.7  | 694.2  | 1116.5 | 2432.0 | 2762.1 | 2883.5 | 3009.7 | 3242.6 | 3349.4 | 3368.9 |
| 57.5°  | 223.3  | 257.3  | 592.3  | 956.3  | 2266.9 | 2587.4 | 2723.2 | 2839.8 | 3058.2 | 3140.7 | 3160.1 |
| 60°    | 208.7  | 242.7  | 514.5  | 820.4  | 2087.4 | 2422.3 | 2538.8 | 2655.3 | 2839.8 | 2907.7 | 2922.3 |
| 62.5°  | 194.2  | 233.0  | 456.3  | 689.3  | 1902.9 | 2228.1 | 2344.6 | 2451.4 | 2606.8 | 2655.3 | 2674.8 |
| 65°    | 184.4  | 223.3  | 412.6  | 592.3  | 1713.6 | 2024.3 | 2140.7 | 2233.0 | 2359.2 | 2407.7 | 2417.4 |
| 67.5°  | 174.8  | 213.6  | 378.7  | 509.7  | 1524.3 | 1820.4 | 1907.7 | 1995.1 | 2092.2 | 2140.7 | 2145.6 |
| 70°    | 160.2  | 203.9  | 349.5  | 451.4  | 1330.1 | 1587.4 | 1660.1 | 1752.4 | 1830.1 | 1854.3 | 1868.9 |
| 72.5°  | 150.5  | 189.3  | 330.1  | 407.7  | 1131.1 | 1364.1 | 1432.0 | 1485.4 | 1553.3 | 1577.6 | 1577.6 |
| 75°    | 135.9  | 169.9  | 310.7  | 364.1  | 927.1  | 1116.5 | 1174.8 | 1228.1 | 1281.5 | 1291.2 | 1276.7 |
| 77.5°  | 121.3  | 150.5  | 267.0  | 305.8  | 723.3  | 883.5  | 932.0  | 961.2  | 1004.9 | 1014.5 | 1019.4 |
| 80°    | 101.9  | 131.1  | 208.7  | 237.9  | 524.3  | 650.5  | 684.4  | 708.7  | 747.6  | 747.6  | 757.3  |
| 82.5°  | 77.6   | 101.9  | 150.5  | 169.9  | 354.4  | 446.6  | 475.7  | 490.2  | 514.5  | 514.5  | 514.5  |
| 85°    | 48.6   | 63.1   | 97.1   | 111.7  | 213.6  | 271.8  | 291.3  | 296.1  | 315.5  | 320.4  | 320.4  |
| 87.5°  | 24.3   | 33.9   | 63.1   | 68.0   | 111.7  | 140.8  | 140.8  | 150.5  | 150.5  | 145.6  | 140.8  |
| 90°    | 14.8   | 26.7   | 38.6   | 41.6   | 65.3   | 97.0   | 112.8  | 100.3  | 75.3   | 56.4   | 56.4   |
| 92.5°  | 59.4   | 160.4  | 261.4  | 286.7  | 403.0  | 558.1  | 635.7  | 557.1  | 400.0  | 282.2  | 271.0  |
| 95°    | 142.6  | 327.4  | 512.2  | 558.4  | 991.6  | 1569.2 | 1858.0 | 1657.9 | 1258.0 | 958.0  | 924.0  |
| 97.5°  | 246.5  | 409.5  | 572.7  | 613.4  | 1335.7 | 2298.8 | 2780.3 | 2653.9 | 2401.1 | 2211.5 | 2146.7 |
| 100°   | 326.7  | 474.7  | 622.5  | 659.5  | 1461.0 | 2529.7 | 3064.0 | 3073.3 | 3091.8 | 3105.6 | 3028.6 |
| 102.5° | 395.1  | 533.1  | 671.0  | 705.5  | 1518.4 | 2602.3 | 3144.2 | 3305.3 | 3627.4 | 3869.0 | 3803.1 |
| 105°   | 510.9  | 627.7  | 744.6  | 773.8  | 1561.0 | 2610.5 | 3135.3 | 3496.3 | 4218.5 | 4760.1 | 4724.6 |
| 107.5° | 629.7  | 738.7  | 847.6  | 874.8  | 1568.9 | 2494.4 | 2957.1 | 3460.7 | 4468.0 | 5223.5 | 5232.1 |
| 110°   | 710.0  | 808.3  | 906.7  | 931.2  | 1557.0 | 2391.3 | 2808.5 | 3371.6 | 4497.7 | 5342.3 | 5379.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 788.7  | 882.4  | 976.1  | 999.5  | 1557.4 | 2301.5 | 2673.4 | 3249.7 | 4402.2 | 5266.6 | 5323.4 |
| 115°   | 907.4  | 993.9  | 1080.4 | 1102.0 | 1571.9 | 2198.3 | 2511.5 | 3066.7 | 4176.9 | 5009.7 | 5088.4 |
| 117.5° | 1024.8 | 1103.4 | 1182.0 | 1201.6 | 1601.0 | 2133.7 | 2400.1 | 2901.2 | 3903.2 | 4654.7 | 4742.0 |
| 120°   | 1093.1 | 1167.0 | 1241.0 | 1259.5 | 1624.9 | 2112.0 | 2355.6 | 2813.4 | 3729.0 | 4415.6 | 4500.4 |
| 122.5° | 1160.0 | 1234.5 | 1309.1 | 1327.8 | 1659.0 | 2100.7 | 2321.4 | 2733.7 | 3558.1 | 4176.5 | 4260.1 |
| 125°   | 1262.5 | 1330.4 | 1398.4 | 1415.5 | 1705.1 | 2091.2 | 2284.2 | 2634.4 | 3334.8 | 3860.1 | 3937.1 |
| 127.5° | 1345.7 | 1414.3 | 1483.0 | 1500.1 | 1751.1 | 2085.7 | 2253.1 | 2553.7 | 3155.1 | 3606.1 | 3671.1 |
| 130°   | 1390.2 | 1464.1 | 1538.0 | 1556.5 | 1784.7 | 2089.1 | 2241.2 | 2508.9 | 3044.2 | 3445.7 | 3505.8 |
| 132.5° | 1436.2 | 1510.1 | 1584.1 | 1602.6 | 1812.0 | 2091.2 | 2230.8 | 2470.4 | 2949.7 | 3309.1 | 3362.9 |
| 135°   | 1504.6 | 1571.9 | 1639.2 | 1656.0 | 1841.7 | 2089.3 | 2213.0 | 2413.7 | 2815.0 | 3116.0 | 3162.4 |
| 137.5° | 1574.4 | 1641.0 | 1707.7 | 1724.3 | 1886.2 | 2102.1 | 2210.0 | 2379.7 | 2718.9 | 2973.4 | 3011.3 |
| 140°   | 1632.2 | 1693.6 | 1755.0 | 1770.4 | 1913.4 | 2104.2 | 2199.6 | 2346.1 | 2639.2 | 2859.0 | 2894.5 |
| 142.5° | 1676.8 | 1733.6 | 1790.4 | 1804.5 | 1936.2 | 2111.8 | 2199.6 | 2328.3 | 2585.8 | 2778.9 | 2809.4 |
| 145°   | 1745.1 | 1794.7 | 1844.2 | 1856.5 | 1965.9 | 2111.8 | 2184.8 | 2290.1 | 2500.6 | 2658.5 | 2681.6 |
| 147.5° | 1813.4 | 1861.6 | 1909.8 | 1921.9 | 2009.5 | 2126.4 | 2184.8 | 2267.6 | 2433.3 | 2557.5 | 2576.7 |
| 150°   | 1858.0 | 1901.6 | 1945.2 | 1956.1 | 2032.3 | 2133.9 | 2184.8 | 2254.8 | 2394.7 | 2499.6 | 2515.1 |
| 152.5° | 1904.1 | 1937.1 | 1970.1 | 1978.4 | 2047.2 | 2138.9 | 2184.8 | 2244.6 | 2364.0 | 2453.6 | 2465.4 |
| 155°   | 1972.3 | 1996.8 | 2021.2 | 2027.3 | 2079.8 | 2149.8 | 2184.8 | 2232.3 | 2327.4 | 2398.6 | 2406.4 |
| 157.5° | 2022.9 | 2046.6 | 2070.4 | 2076.4 | 2112.5 | 2160.7 | 2184.8 | 2221.7 | 2295.6 | 2351.1 | 2356.5 |
| 160°   | 2057.1 | 2075.5 | 2094.1 | 2098.7 | 2127.3 | 2165.7 | 2184.8 | 2216.5 | 2279.9 | 2327.4 | 2330.5 |
| 162.5° | 2091.2 | 2105.1 | 2118.9 | 2122.4 | 2143.2 | 2170.9 | 2184.8 | 2211.6 | 2265.0 | 2305.1 | 2308.1 |
| 165°   | 2128.3 | 2140.8 | 2153.3 | 2156.5 | 2166.0 | 2178.5 | 2184.8 | 2203.9 | 2242.2 | 2270.9 | 2274.0 |
| 167.5° | 2162.5 | 2168.5 | 2174.4 | 2175.8 | 2183.8 | 2194.4 | 2199.6 | 2212.2 | 2237.2 | 2256.0 | 2257.4 |
| 170°   | 2184.8 | 2190.7 | 2196.7 | 2198.1 | 2198.6 | 2199.2 | 2199.6 | 2212.2 | 2237.2 | 2256.0 | 2256.0 |
| 172.5° | 2196.7 | 2198.0 | 2199.3 | 2199.6 | 2199.6 | 2199.6 | 2199.6 | 2209.6 | 2229.4 | 2244.2 | 2243.0 |
| 175°   | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2208.5 | 2202.6 | 2199.6 | 2205.9 | 2218.5 | 2227.8 | 2227.8 |
| 177.5° | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2209.6 | 2204.9 | 2202.6 | 2207.6 | 2217.4 | 2224.9 | 2223.5 |
| 180°   | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2213.0 | 2213.0 |



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CATALOG NUMBER: SQ4-FB-125U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1509.7 | 1509.7 |
| 2.5°   | 1611.7 | 1601.9 |
| 5°     | 2072.8 | 2082.5 |
| 7.5°   | 2791.2 | 2786.3 |
| 10°    | 3470.8 | 3514.5 |
| 12.5°  | 3966.0 | 3975.7 |
| 15°    | 4266.9 | 4286.3 |
| 17.5°  | 4383.5 | 4388.3 |
| 20°    | 4388.3 | 4378.6 |
| 22.5°  | 4334.9 | 4325.1 |
| 25°    | 4271.8 | 4266.9 |
| 27.5°  | 4213.6 | 4218.4 |
| 30°    | 4189.3 | 4203.8 |
| 32.5°  | 4189.3 | 4213.6 |
| 35°    | 4198.9 | 4223.2 |
| 37.5°  | 4194.1 | 4223.2 |
| 40°    | 4174.7 | 4208.7 |
| 42.5°  | 4121.3 | 4145.6 |
| 45°    | 4038.8 | 4067.9 |
| 47.5°  | 3932.0 | 3951.4 |
| 50°    | 3796.1 | 3815.5 |
| 52.5°  | 3626.2 | 3631.0 |
| 55°    | 3422.3 | 3441.7 |
| 57.5°  | 3203.8 | 3208.7 |
| 60°    | 2961.1 | 2975.7 |
| 62.5°  | 2703.8 | 2703.8 |
| 65°    | 2432.0 | 2441.7 |
| 67.5°  | 2150.5 | 2174.8 |
| 70°    | 1864.1 | 1868.9 |
| 72.5°  | 1582.5 | 1582.5 |
| 75°    | 1291.2 | 1296.1 |
| 77.5°  | 1014.5 | 1014.5 |
| 80°    | 752.4  | 757.3  |
| 82.5°  | 519.4  | 529.2  |
| 85°    | 325.2  | 325.2  |
| 87.5°  | 150.5  | 135.9  |
| 90°    | 56.4   | 56.4   |
| 92.5°  | 226.0  | 181.2  |
| 95°    | 788.0  | 652.0  |
| 97.5°  | 1888.0 | 1629.3 |
| 100°   | 2720.3 | 2412.0 |
| 102.5° | 3539.0 | 3275.0 |
| 105°   | 4582.7 | 4440.8 |
| 107.5° | 5266.4 | 5300.8 |
| 110°   | 5527.2 | 5675.0 |





TEST NUMBER: P938130

CATALOG NUMBER: SQ4-FB-125U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 5550.4 | 5777.5 |
| 115°   | 5403.3 | 5718.1 |
| 117.5° | 5091.2 | 5440.4 |
| 120°   | 4839.7 | 5178.9 |
| 122.5° | 4594.8 | 4929.5 |
| 125°   | 4245.4 | 4553.7 |
| 127.5° | 3931.2 | 4191.3 |
| 130°   | 3746.1 | 3986.4 |
| 132.5° | 3578.1 | 3793.2 |
| 135°   | 3347.8 | 3533.3 |
| 137.5° | 3163.2 | 3315.0 |
| 140°   | 3036.5 | 3178.4 |
| 142.5° | 2931.5 | 3053.6 |
| 145°   | 2774.0 | 2866.5 |
| 147.5° | 2653.2 | 2729.8 |
| 150°   | 2577.2 | 2639.3 |
| 152.5° | 2512.2 | 2559.1 |
| 155°   | 2437.4 | 2468.4 |
| 157.5° | 2378.3 | 2400.1 |
| 160°   | 2343.1 | 2355.6 |
| 162.5° | 2319.9 | 2331.8 |
| 165°   | 2286.5 | 2299.2 |
| 167.5° | 2262.6 | 2267.9 |
| 170°   | 2256.0 | 2256.0 |
| 172.5° | 2238.4 | 2233.8 |
| 175°   | 2227.8 | 2227.8 |
| 177.5° | 2218.3 | 2213.0 |
| 180°   | 2213.0 | 2213.0 |



TEST NUMBER: P938130  
 CATALOG NUMBER: SQ4-FB-125U-125D-92765-1D-UNV-STD-W-12-6500K

**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  | 9.08  | 19.07          | 19.92 | 20.06 | 20.93 | 22.27 |
|                 | 3H   | 6.58             | 7.35  | 7.59  | 8.37  | 9.73  | 20.92          | 21.68 | 21.92 | 22.70 | 24.06 |
|                 | 4H   | 6.88             | 7.61  | 7.90  | 8.63  | 10.00 | 21.56          | 22.29 | 22.58 | 23.31 | 24.68 |
|                 | 6H   | 7.13             | 7.80  | 8.16  | 8.83  | 10.21 | 22.00          | 22.67 | 23.02 | 23.69 | 25.07 |
|                 | 8H   | 7.20             | 7.84  | 8.23  | 8.88  | 10.25 | 22.12          | 22.76 | 23.15 | 23.80 | 25.18 |
|                 | 12H  | 7.22             | 7.82  | 8.25  | 8.86  | 10.26 | 22.19          | 22.80 | 23.23 | 23.83 | 25.23 |
| 4H              | 2H   | 13.10            | 13.83 | 14.12 | 14.85 | 16.21 | 19.34          | 20.07 | 20.37 | 21.09 | 22.46 |
|                 | 3H   | 14.67            | 15.27 | 15.70 | 16.32 | 17.71 | 21.39          | 22.00 | 22.42 | 23.05 | 24.43 |
|                 | 4H   | 14.76            | 15.32 | 15.80 | 16.36 | 17.76 | 22.16          | 22.72 | 23.20 | 23.76 | 25.16 |
|                 | 6H   | 14.77            | 15.25 | 15.82 | 16.32 | 17.71 | 22.71          | 23.19 | 23.76 | 24.25 | 25.65 |
|                 | 8H   | 14.75            | 15.20 | 15.80 | 16.25 | 17.67 | 22.87          | 23.32 | 23.92 | 24.38 | 25.79 |
|                 | 12H  | 14.70            | 15.11 | 15.77 | 16.18 | 17.60 | 22.97          | 23.37 | 24.04 | 24.44 | 25.86 |
| 8H              | 4H   | 16.21            | 16.66 | 17.26 | 17.71 | 19.13 | 22.22          | 22.67 | 23.27 | 23.73 | 25.14 |
|                 | 6H   | 16.45            | 16.82 | 17.52 | 17.92 | 19.33 | 22.86          | 23.23 | 23.93 | 24.33 | 25.74 |
|                 | 8H   | 16.47            | 16.80 | 17.55 | 17.88 | 19.31 | 23.08          | 23.41 | 24.16 | 24.49 | 25.92 |
|                 | 12H  | 16.44            | 16.72 | 17.52 | 17.80 | 19.27 | 23.23          | 23.51 | 24.31 | 24.59 | 26.06 |
| 12H             | 4H   | 16.35            | 16.76 | 17.42 | 17.83 | 19.25 | 22.17          | 22.58 | 23.24 | 23.65 | 25.07 |
|                 | 6H   | 16.71            | 17.04 | 17.79 | 18.12 | 19.55 | 22.84          | 23.17 | 23.92 | 24.25 | 25.68 |
|                 | 8H   | 16.78            | 17.07 | 17.86 | 18.15 | 19.62 | 23.07          | 23.36 | 24.16 | 24.44 | 25.91 |