

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: P938177

Luminaire Tested: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P938177  
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-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

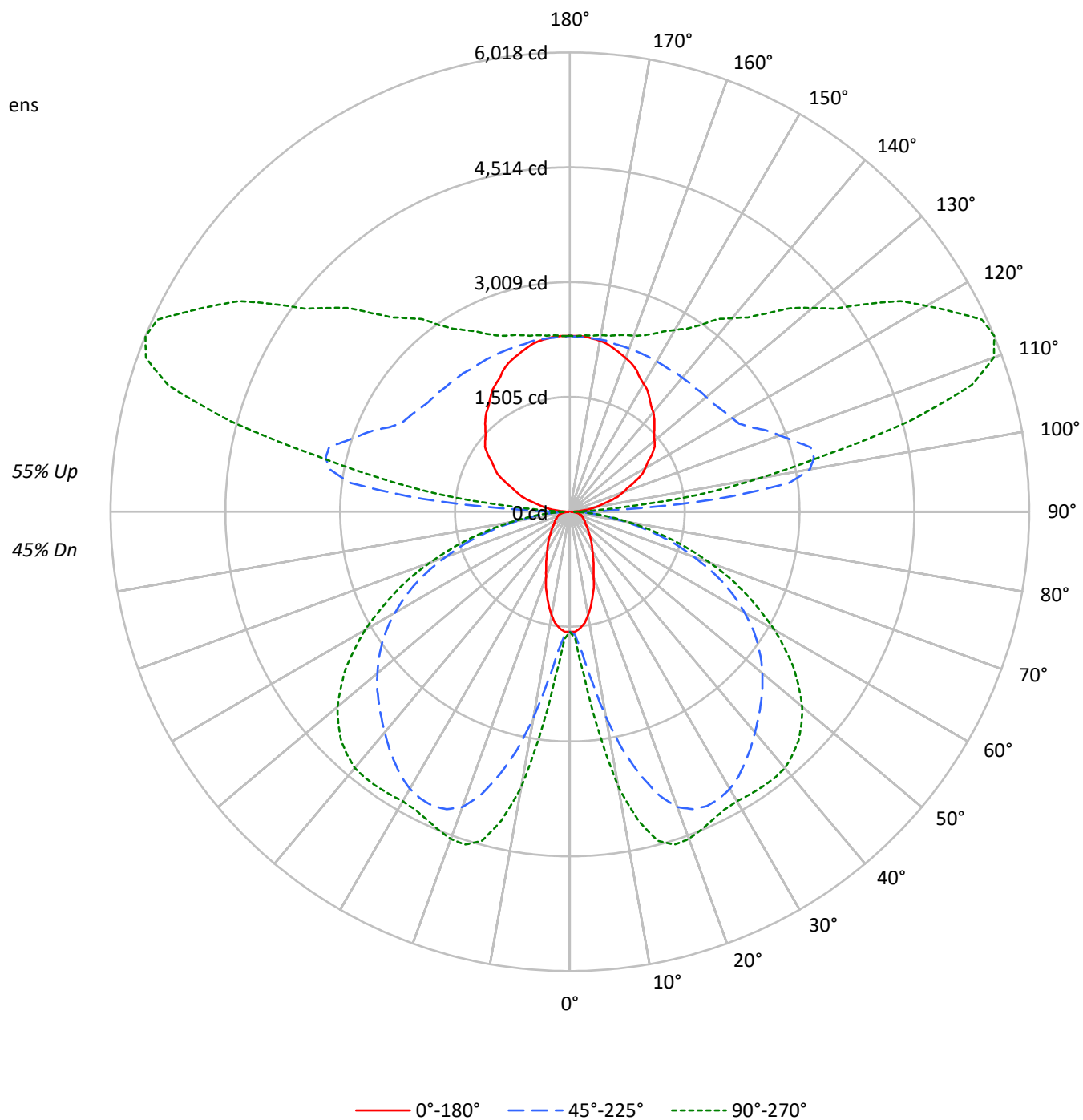
Lumens per Lamp: N/A  
Luminaire Lumens: 27117.1 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse

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: P938177

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-12-2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P938177

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-12-2700K

**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°  | 4753 | 5623  | 6538  |
| 10° | 4314 | 8199  | 10839 |
| 15° | 3667 | 10714 | 13088 |
| 20° | 2987 | 12419 | 13339 |
| 25° | 2493 | 12999 | 13067 |
| 30° | 2103 | 13085 | 13043 |
| 35° | 1860 | 12871 | 13380 |
| 40° | 1622 | 12592 | 13729 |
| 45° | 1469 | 12389 | 13783 |
| 50° | 1349 | 12207 | 13554 |
| 55° | 1293 | 11939 | 12953 |
| 60° | 1326 | 11420 | 12005 |
| 65° | 1381 | 10628 | 10701 |
| 70° | 1475 | 9275  | 9040  |
| 75° | 1640 | 7570  | 7055  |
| 80° | 1806 | 5255  | 4754  |
| 85° | 1640 | 2794  | 2433  |

**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°    | 203.4   | 0.8       |
| 10°-20°   | 901.5   | 3.3       |
| 20°-30°   | 1576.9  | 5.8       |
| 30°-40°   | 2030.0  | 7.5       |
| 40°-50°   | 2267.4  | 8.4       |
| 50°-60°   | 2171.7  | 8.0       |
| 60°-70°   | 1721.0  | 6.3       |
| 70°-80°   | 1012.0  | 3.7       |
| 80°-90°   | 289.9   | 1.1       |
| 90°-100°  | 1123.6  | 4.1       |
| 100°-110° | 2954.1  | 10.9      |
| 110°-120° | 3063.1  | 11.3      |
| 120°-130° | 2457.0  | 9.1       |
| 130°-140° | 1927.8  | 7.1       |
| 140°-150° | 1479.7  | 5.5       |
| 150°-160° | 1065.6  | 3.9       |
| 160°-170° | 652.0   | 2.4       |
| 170°-180° | 220.3   | 0.8       |
| 0°-30°    | 2681.9  | 9.9       |
| 0°-40°    | 4711.9  | 17.4      |
| 0°-60°    | 9150.9  | 33.7      |
| 0°-90°    | 12173.9 | 44.9      |
| 90°-120°  | 7140.8  | 26.3      |
| 90°-150°  | 13005.2 | 48.0      |
| 90°-180°  | 14943.0 | 55.1      |
| 0°-180°   | 27117.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1573 | 1573  | 1573 | 1573  | 1573 |      |
| 5°   | 1532 | 1643  | 1851 | 2093  | 2169 | 141  |
| 15°  | 1148 | 2119  | 3570 | 4328  | 4465 | 319  |
| 25°  | 733  | 2402  | 4252 | 4440  | 4445 | 338  |
| 35°  | 496  | 2296  | 4005 | 4232  | 4399 | 309  |
| 45°  | 339  | 1830  | 3540 | 4055  | 4237 | 262  |
| 55°  | 243  | 1163  | 3004 | 3489  | 3585 | 221  |
| 65°  | 192  | 617   | 2230 | 2508  | 2543 | 190  |
| 75°  | 142  | 379   | 1224 | 1345  | 1350 | 148  |
| 85°  | 51   | 116   | 303  | 334   | 339  | 54   |
| 90°  | 15   | 43    | 118  | 59    | 59   | 16   |
| 95°  | 148  | 582   | 1935 | 998   | 679  | 165  |
| 105° | 532  | 806   | 3266 | 4958  | 4626 | 564  |
| 115° | 945  | 1148  | 2616 | 5218  | 5956 | 934  |
| 125° | 1315 | 1474  | 2379 | 4021  | 4743 | 1167 |
| 135° | 1567 | 1725  | 2305 | 3246  | 3680 | 1213 |
| 145° | 1818 | 1934  | 2276 | 2769  | 2986 | 1139 |
| 155° | 2054 | 2112  | 2276 | 2498  | 2571 | 944  |
| 165° | 2217 | 2246  | 2276 | 2365  | 2395 | 626  |
| 175° | 2305 | 2305  | 2291 | 2321  | 2321 | 219  |
| 180° | 2305 | 2305  | 2305 | 2305  | 2305 |      |

TEST NUMBER: P938177

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1572.6 | 1572.6 | 1572.6 | 1572.6 | 1572.6 | 1572.6 | 1572.6 | 1572.6 | 1572.6 | 1572.6 | 1572.6 |
| 2.5°   | 1572.6 | 1572.6 | 1582.6 | 1587.7 | 1597.8 | 1602.9 | 1613.0 | 1623.1 | 1653.5 | 1658.5 | 1668.6 |
| 5°     | 1532.0 | 1552.3 | 1618.0 | 1643.3 | 1714.1 | 1810.2 | 1850.7 | 1916.4 | 2052.9 | 2093.4 | 2118.6 |
| 7.5°   | 1471.4 | 1516.9 | 1678.8 | 1719.2 | 1896.2 | 2149.0 | 2255.1 | 2396.8 | 2614.2 | 2720.4 | 2806.3 |
| 10°    | 1375.4 | 1471.4 | 1759.6 | 1855.6 | 2143.9 | 2528.1 | 2725.4 | 2922.6 | 3251.2 | 3397.9 | 3453.5 |
| 12.5°  | 1269.2 | 1425.9 | 1845.6 | 1977.1 | 2391.7 | 2952.9 | 3190.6 | 3408.0 | 3782.2 | 3979.4 | 4009.7 |
| 15°    | 1147.8 | 1360.1 | 1926.5 | 2118.6 | 2654.6 | 3306.9 | 3569.8 | 3837.8 | 4186.7 | 4328.3 | 4363.7 |
| 17.5°  | 1041.6 | 1309.6 | 2002.4 | 2204.5 | 2856.8 | 3625.4 | 3893.5 | 4115.9 | 4399.0 | 4495.1 | 4520.4 |
| 20°    | 910.1  | 1228.7 | 2052.9 | 2315.8 | 3069.3 | 3858.0 | 4115.9 | 4287.8 | 4480.0 | 4540.7 | 4550.7 |
| 22.5°  | 814.0  | 1142.7 | 2083.2 | 2356.2 | 3210.8 | 3999.6 | 4217.1 | 4353.5 | 4485.0 | 4505.2 | 4510.3 |
| 25°    | 733.2  | 1046.7 | 2078.2 | 2401.8 | 3332.1 | 4085.6 | 4252.4 | 4353.5 | 4429.4 | 4439.5 | 4439.5 |
| 27.5°  | 657.4  | 940.5  | 2057.9 | 2411.9 | 3423.2 | 4105.8 | 4237.3 | 4308.0 | 4343.5 | 4363.7 | 4363.7 |
| 30°    | 591.6  | 839.3  | 2007.3 | 2391.7 | 3463.6 | 4085.6 | 4191.8 | 4227.1 | 4262.6 | 4292.9 | 4308.0 |
| 32.5°  | 541.0  | 743.3  | 1931.5 | 2351.3 | 3468.7 | 4035.0 | 4110.9 | 4131.1 | 4181.6 | 4252.4 | 4277.7 |
| 35°    | 495.5  | 647.2  | 1845.6 | 2295.6 | 3438.4 | 3954.1 | 4004.6 | 4024.9 | 4126.0 | 4232.2 | 4267.6 |
| 37.5°  | 450.0  | 576.4  | 1734.3 | 2199.6 | 3392.9 | 3858.0 | 3893.5 | 3928.8 | 4085.6 | 4212.0 | 4252.4 |
| 40°    | 404.5  | 515.7  | 1602.9 | 2093.4 | 3322.1 | 3741.8 | 3772.1 | 3827.7 | 4035.0 | 4181.6 | 4222.0 |
| 42.5°  | 369.1  | 465.2  | 1461.3 | 1982.1 | 3231.0 | 3610.3 | 3655.8 | 3736.7 | 3974.3 | 4131.1 | 4176.6 |
| 45°    | 338.7  | 414.6  | 1309.6 | 1830.4 | 3114.7 | 3473.7 | 3539.5 | 3650.7 | 3903.5 | 4055.2 | 4095.7 |
| 47.5°  | 308.5  | 379.3  | 1152.9 | 1673.7 | 2988.3 | 3337.2 | 3423.2 | 3549.5 | 3807.5 | 3954.1 | 3989.5 |
| 50°    | 283.2  | 343.8  | 996.1  | 1506.8 | 2851.8 | 3190.6 | 3291.7 | 3423.2 | 3686.1 | 3822.6 | 3868.2 |
| 52.5°  | 262.9  | 313.5  | 849.5  | 1339.9 | 2695.1 | 3038.9 | 3155.2 | 3291.7 | 3539.5 | 3671.0 | 3701.2 |
| 55°    | 242.7  | 288.2  | 723.1  | 1162.9 | 2533.2 | 2877.0 | 3003.5 | 3135.0 | 3377.6 | 3488.9 | 3509.1 |
| 57.5°  | 232.6  | 268.0  | 616.9  | 996.1  | 2361.3 | 2695.1 | 2836.6 | 2958.0 | 3185.5 | 3271.5 | 3291.7 |
| 60°    | 217.4  | 252.8  | 535.9  | 854.6  | 2174.3 | 2523.2 | 2644.5 | 2765.9 | 2958.0 | 3028.7 | 3044.0 |
| 62.5°  | 202.3  | 242.7  | 475.3  | 718.0  | 1982.1 | 2320.9 | 2442.2 | 2553.4 | 2715.3 | 2765.9 | 2786.1 |
| 65°    | 192.1  | 232.6  | 429.8  | 616.9  | 1784.9 | 2108.5 | 2229.8 | 2326.0 | 2457.4 | 2507.9 | 2518.1 |
| 67.5°  | 182.1  | 222.5  | 394.4  | 531.0  | 1587.7 | 1896.2 | 1987.1 | 2078.2 | 2179.3 | 2229.8 | 2234.9 |
| 70°    | 166.8  | 212.3  | 364.0  | 470.2  | 1385.4 | 1653.5 | 1729.3 | 1825.4 | 1906.2 | 1931.5 | 1946.7 |
| 72.5°  | 156.8  | 197.2  | 343.8  | 424.7  | 1178.2 | 1420.9 | 1491.6 | 1547.3 | 1618.0 | 1643.3 | 1643.3 |
| 75°    | 141.5  | 177.0  | 323.6  | 379.3  | 965.7  | 1162.9 | 1223.7 | 1279.3 | 1334.8 | 1345.0 | 1329.9 |
| 77.5°  | 126.4  | 156.8  | 278.1  | 318.5  | 753.4  | 920.3  | 970.8  | 1001.2 | 1046.7 | 1056.8 | 1061.8 |
| 80°    | 106.2  | 136.6  | 217.4  | 247.8  | 546.1  | 677.6  | 712.9  | 738.2  | 778.7  | 778.7  | 788.8  |
| 82.5°  | 80.9   | 106.2  | 156.8  | 177.0  | 369.1  | 465.2  | 495.5  | 510.6  | 535.9  | 535.9  | 535.9  |
| 85°    | 50.6   | 65.7   | 101.1  | 116.3  | 222.5  | 283.2  | 303.4  | 308.5  | 328.7  | 333.8  | 333.8  |
| 87.5°  | 25.3   | 35.4   | 65.7   | 70.8   | 116.3  | 146.6  | 146.6  | 156.8  | 156.8  | 151.7  | 146.6  |
| 90°    | 15.4   | 27.8   | 40.2   | 43.3   | 68.0   | 101.0  | 117.5  | 104.5  | 78.4   | 58.8   | 58.8   |
| 92.5°  | 61.9   | 167.0  | 272.3  | 298.6  | 419.8  | 581.4  | 662.1  | 580.3  | 416.6  | 293.9  | 282.3  |
| 95°    | 148.5  | 341.0  | 533.6  | 581.7  | 1032.9 | 1634.5 | 1935.3 | 1727.0 | 1310.3 | 997.9  | 962.4  |
| 97.5°  | 256.8  | 426.6  | 596.5  | 638.9  | 1391.3 | 2394.5 | 2896.1 | 2764.4 | 2501.1 | 2303.5 | 2236.1 |
| 100°   | 340.3  | 494.4  | 648.4  | 686.9  | 1521.8 | 2635.0 | 3191.6 | 3201.2 | 3220.5 | 3234.9 | 3154.6 |
| 102.5° | 411.5  | 555.3  | 698.9  | 734.8  | 1581.6 | 2710.6 | 3275.1 | 3442.9 | 3778.4 | 4030.1 | 3961.4 |
| 105°   | 532.2  | 653.9  | 775.6  | 806.1  | 1626.0 | 2719.2 | 3265.8 | 3641.9 | 4394.2 | 4958.3 | 4921.3 |
| 107.5° | 656.0  | 769.4  | 882.9  | 911.2  | 1634.2 | 2598.3 | 3080.2 | 3604.8 | 4654.0 | 5440.9 | 5449.9 |
| 110°   | 739.5  | 841.9  | 944.4  | 970.0  | 1621.8 | 2490.9 | 2925.5 | 3512.0 | 4685.0 | 5564.8 | 5603.3 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 821.5  | 919.1  | 1016.7 | 1041.1 | 1622.3 | 2397.3 | 2784.7 | 3385.0 | 4585.5 | 5485.9 | 5545.0 |
| 115°   | 945.2  | 1035.2 | 1125.4 | 1147.9 | 1637.3 | 2289.8 | 2616.1 | 3194.4 | 4350.8 | 5218.2 | 5300.2 |
| 117.5° | 1067.5 | 1149.3 | 1231.2 | 1251.6 | 1667.7 | 2222.6 | 2500.1 | 3022.0 | 4065.7 | 4848.4 | 4939.4 |
| 120°   | 1138.6 | 1215.6 | 1292.7 | 1311.9 | 1692.5 | 2200.0 | 2453.6 | 2930.5 | 3884.2 | 4599.4 | 4687.8 |
| 122.5° | 1208.2 | 1285.9 | 1363.6 | 1383.0 | 1728.1 | 2188.1 | 2418.1 | 2847.5 | 3706.2 | 4350.3 | 4437.5 |
| 125°   | 1315.0 | 1385.8 | 1456.6 | 1474.4 | 1776.1 | 2178.3 | 2379.3 | 2744.1 | 3473.6 | 4020.8 | 4101.0 |
| 127.5° | 1401.7 | 1473.2 | 1544.7 | 1562.5 | 1824.0 | 2172.6 | 2346.9 | 2660.0 | 3286.4 | 3756.2 | 3823.9 |
| 130°   | 1448.1 | 1525.1 | 1602.1 | 1621.3 | 1859.0 | 2176.1 | 2334.5 | 2613.3 | 3171.0 | 3589.2 | 3651.7 |
| 132.5° | 1496.0 | 1573.0 | 1650.1 | 1669.3 | 1887.4 | 2178.3 | 2323.7 | 2573.3 | 3072.5 | 3446.9 | 3502.9 |
| 135°   | 1567.2 | 1637.3 | 1707.4 | 1725.0 | 1918.4 | 2176.3 | 2305.1 | 2514.2 | 2932.2 | 3245.8 | 3294.1 |
| 137.5° | 1639.9 | 1709.3 | 1778.8 | 1796.1 | 1964.7 | 2189.6 | 2302.1 | 2478.7 | 2832.1 | 3097.2 | 3136.7 |
| 140°   | 1700.2 | 1764.1 | 1828.1 | 1844.1 | 1993.1 | 2191.8 | 2291.2 | 2443.8 | 2749.1 | 2978.0 | 3015.0 |
| 142.5° | 1746.6 | 1805.7 | 1864.9 | 1879.7 | 2016.8 | 2199.8 | 2291.2 | 2425.3 | 2693.5 | 2894.6 | 2926.3 |
| 145°   | 1817.8 | 1869.4 | 1921.0 | 1933.8 | 2047.8 | 2199.8 | 2275.8 | 2385.4 | 2604.7 | 2769.2 | 2793.3 |
| 147.5° | 1888.9 | 1939.1 | 1989.3 | 2001.9 | 2093.2 | 2214.9 | 2275.8 | 2362.0 | 2534.6 | 2664.0 | 2683.9 |
| 150°   | 1935.3 | 1980.7 | 2026.2 | 2037.5 | 2116.9 | 2222.8 | 2275.8 | 2348.7 | 2494.4 | 2603.6 | 2619.8 |
| 152.5° | 1983.3 | 2017.7 | 2052.2 | 2060.7 | 2132.4 | 2228.0 | 2275.8 | 2338.0 | 2462.4 | 2555.7 | 2568.0 |
| 155°   | 2054.4 | 2079.9 | 2105.3 | 2111.7 | 2166.4 | 2239.3 | 2275.8 | 2325.3 | 2424.3 | 2498.5 | 2506.5 |
| 157.5° | 2107.1 | 2131.8 | 2156.6 | 2162.8 | 2200.5 | 2250.7 | 2275.8 | 2314.2 | 2391.2 | 2449.0 | 2454.6 |
| 160°   | 2142.7 | 2161.9 | 2181.2 | 2186.0 | 2215.9 | 2255.8 | 2275.8 | 2308.7 | 2374.8 | 2424.3 | 2427.6 |
| 162.5° | 2178.3 | 2192.7 | 2207.1 | 2210.7 | 2232.4 | 2261.3 | 2275.8 | 2303.6 | 2359.3 | 2401.1 | 2404.1 |
| 165°   | 2216.9 | 2229.9 | 2243.0 | 2246.3 | 2256.1 | 2269.2 | 2275.8 | 2295.7 | 2335.5 | 2365.4 | 2368.7 |
| 167.5° | 2252.6 | 2258.7 | 2264.9 | 2266.4 | 2274.7 | 2285.7 | 2291.2 | 2304.2 | 2330.3 | 2350.0 | 2351.4 |
| 170°   | 2275.8 | 2281.9 | 2288.1 | 2289.6 | 2290.1 | 2290.8 | 2291.2 | 2304.2 | 2330.3 | 2350.0 | 2350.0 |
| 172.5° | 2288.1 | 2289.5 | 2290.9 | 2291.2 | 2291.2 | 2291.2 | 2291.2 | 2301.6 | 2322.2 | 2337.6 | 2336.4 |
| 175°   | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2300.5 | 2294.3 | 2291.2 | 2297.8 | 2310.8 | 2320.6 | 2320.6 |
| 177.5° | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2301.6 | 2296.7 | 2294.3 | 2299.5 | 2309.7 | 2317.5 | 2316.1 |
| 180°   | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 |

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CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1572.6 | 1572.6 |
| 2.5°   | 1678.8 | 1668.6 |
| 5°     | 2159.1 | 2169.2 |
| 7.5°   | 2907.4 | 2902.3 |
| 10°    | 3615.3 | 3660.8 |
| 12.5°  | 4131.1 | 4141.2 |
| 15°    | 4444.6 | 4464.8 |
| 17.5°  | 4566.0 | 4570.9 |
| 20°    | 4570.9 | 4560.9 |
| 22.5°  | 4515.4 | 4505.2 |
| 25°    | 4449.6 | 4444.6 |
| 27.5°  | 4389.0 | 4394.1 |
| 30°    | 4363.7 | 4378.8 |
| 32.5°  | 4363.7 | 4389.0 |
| 35°    | 4373.7 | 4399.0 |
| 37.5°  | 4368.8 | 4399.0 |
| 40°    | 4348.5 | 4383.9 |
| 42.5°  | 4292.9 | 4318.2 |
| 45°    | 4206.9 | 4237.3 |
| 47.5°  | 4095.7 | 4115.9 |
| 50°    | 3954.1 | 3974.3 |
| 52.5°  | 3777.1 | 3782.2 |
| 55°    | 3564.8 | 3585.0 |
| 57.5°  | 3337.2 | 3342.3 |
| 60°    | 3084.4 | 3099.6 |
| 62.5°  | 2816.4 | 2816.4 |
| 65°    | 2533.2 | 2543.4 |
| 67.5°  | 2240.0 | 2265.3 |
| 70°    | 1941.7 | 1946.7 |
| 72.5°  | 1648.4 | 1648.4 |
| 75°    | 1345.0 | 1350.1 |
| 77.5°  | 1056.8 | 1056.8 |
| 80°    | 783.8  | 788.8  |
| 82.5°  | 541.0  | 551.2  |
| 85°    | 338.7  | 338.7  |
| 87.5°  | 156.8  | 141.5  |
| 90°    | 58.8   | 58.8   |
| 92.5°  | 235.5  | 188.7  |
| 95°    | 820.8  | 679.2  |
| 97.5°  | 1966.6 | 1697.1 |
| 100°   | 2833.5 | 2512.4 |
| 102.5° | 3686.3 | 3411.3 |
| 105°   | 4773.5 | 4625.7 |
| 107.5° | 5485.7 | 5521.4 |
| 110°   | 5757.3 | 5911.3 |



TEST NUMBER: P938177

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 5781.5 | 6018.0 |
| 115°   | 5628.2 | 5956.2 |
| 117.5° | 5303.1 | 5666.8 |
| 120°   | 5041.2 | 5394.5 |
| 122.5° | 4786.1 | 5134.7 |
| 125°   | 4422.1 | 4743.3 |
| 127.5° | 4094.9 | 4365.8 |
| 130°   | 3902.0 | 4152.3 |
| 132.5° | 3727.0 | 3951.1 |
| 135°   | 3487.2 | 3680.4 |
| 137.5° | 3294.9 | 3453.0 |
| 140°   | 3162.9 | 3310.7 |
| 142.5° | 3053.5 | 3180.7 |
| 145°   | 2889.5 | 2985.8 |
| 147.5° | 2763.7 | 2843.5 |
| 150°   | 2684.5 | 2749.2 |
| 152.5° | 2616.8 | 2665.6 |
| 155°   | 2538.9 | 2571.2 |
| 157.5° | 2477.4 | 2500.1 |
| 160°   | 2440.6 | 2453.6 |
| 162.5° | 2416.5 | 2428.8 |
| 165°   | 2381.7 | 2394.9 |
| 167.5° | 2356.8 | 2362.3 |
| 170°   | 2350.0 | 2350.0 |
| 172.5° | 2331.5 | 2326.8 |
| 175°   | 2320.6 | 2320.6 |
| 177.5° | 2310.6 | 2305.1 |
| 180°   | 2305.1 | 2305.1 |

TEST NUMBER: P938177

CATALOG NUMBER: SQ4-FB-125U-125D-B2750-1D-UNV-W2A-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 | 6.02             | 6.87  | 7.01  | 7.88  | 9.22  | 19.21          | 20.06 | 20.21 | 21.07 | 22.41 |
|                 | 3H   | 6.73             | 7.49  | 7.73  | 8.51  | 9.87  | 21.06          | 21.82 | 22.06 | 22.84 | 24.20 |
|                 | 4H   | 7.02             | 7.75  | 8.04  | 8.77  | 10.14 | 21.71          | 22.43 | 22.72 | 23.45 | 24.82 |
|                 | 6H   | 7.27             | 7.94  | 8.30  | 8.97  | 10.35 | 22.14          | 22.81 | 23.17 | 23.83 | 25.21 |
|                 | 8H   | 7.34             | 7.98  | 8.37  | 9.02  | 10.40 | 22.26          | 22.90 | 23.29 | 23.94 | 25.32 |
|                 | 12H  | 7.36             | 7.96  | 8.40  | 9.00  | 10.40 | 22.33          | 22.94 | 23.37 | 23.98 | 25.38 |
| 4H              | 2H   | 13.24            | 13.97 | 14.27 | 14.99 | 16.36 | 19.49          | 20.21 | 20.51 | 21.23 | 22.60 |
|                 | 3H   | 14.81            | 15.42 | 15.84 | 16.47 | 17.85 | 21.54          | 22.14 | 22.57 | 23.19 | 24.57 |
|                 | 4H   | 14.90            | 15.46 | 15.94 | 16.50 | 17.90 | 22.31          | 22.86 | 23.34 | 23.90 | 25.31 |
|                 | 6H   | 14.91            | 15.39 | 15.96 | 16.46 | 17.86 | 22.85          | 23.33 | 23.90 | 24.39 | 25.79 |
|                 | 8H   | 14.89            | 15.34 | 15.94 | 16.40 | 17.81 | 23.01          | 23.46 | 24.06 | 24.52 | 25.93 |
|                 | 12H  | 14.85            | 15.25 | 15.91 | 16.32 | 17.74 | 23.11          | 23.51 | 24.18 | 24.59 | 26.01 |
| 8H              | 4H   | 16.35            | 16.80 | 17.40 | 17.86 | 19.27 | 22.36          | 22.81 | 23.41 | 23.87 | 25.28 |
|                 | 6H   | 16.59            | 16.96 | 17.67 | 18.06 | 19.47 | 23.00          | 23.37 | 24.07 | 24.47 | 25.88 |
|                 | 8H   | 16.61            | 16.94 | 17.69 | 18.02 | 19.45 | 23.22          | 23.55 | 24.30 | 24.63 | 26.06 |
|                 | 12H  | 16.58            | 16.87 | 17.66 | 17.94 | 19.41 | 23.37          | 23.65 | 24.45 | 24.73 | 26.20 |
| 12H             | 4H   | 16.49            | 16.90 | 17.56 | 17.97 | 19.39 | 22.32          | 22.72 | 23.39 | 23.79 | 25.21 |
|                 | 6H   | 16.85            | 17.18 | 17.93 | 18.26 | 19.69 | 22.98          | 23.31 | 24.06 | 24.39 | 25.82 |
|                 | 8H   | 16.92            | 17.21 | 18.01 | 18.29 | 19.76 | 23.21          | 23.50 | 24.30 | 24.58 | 26.05 |