

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: P937381

Luminaire Tested: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937381  
REPORT IS A COMBINATION OF REPORTS P933496 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

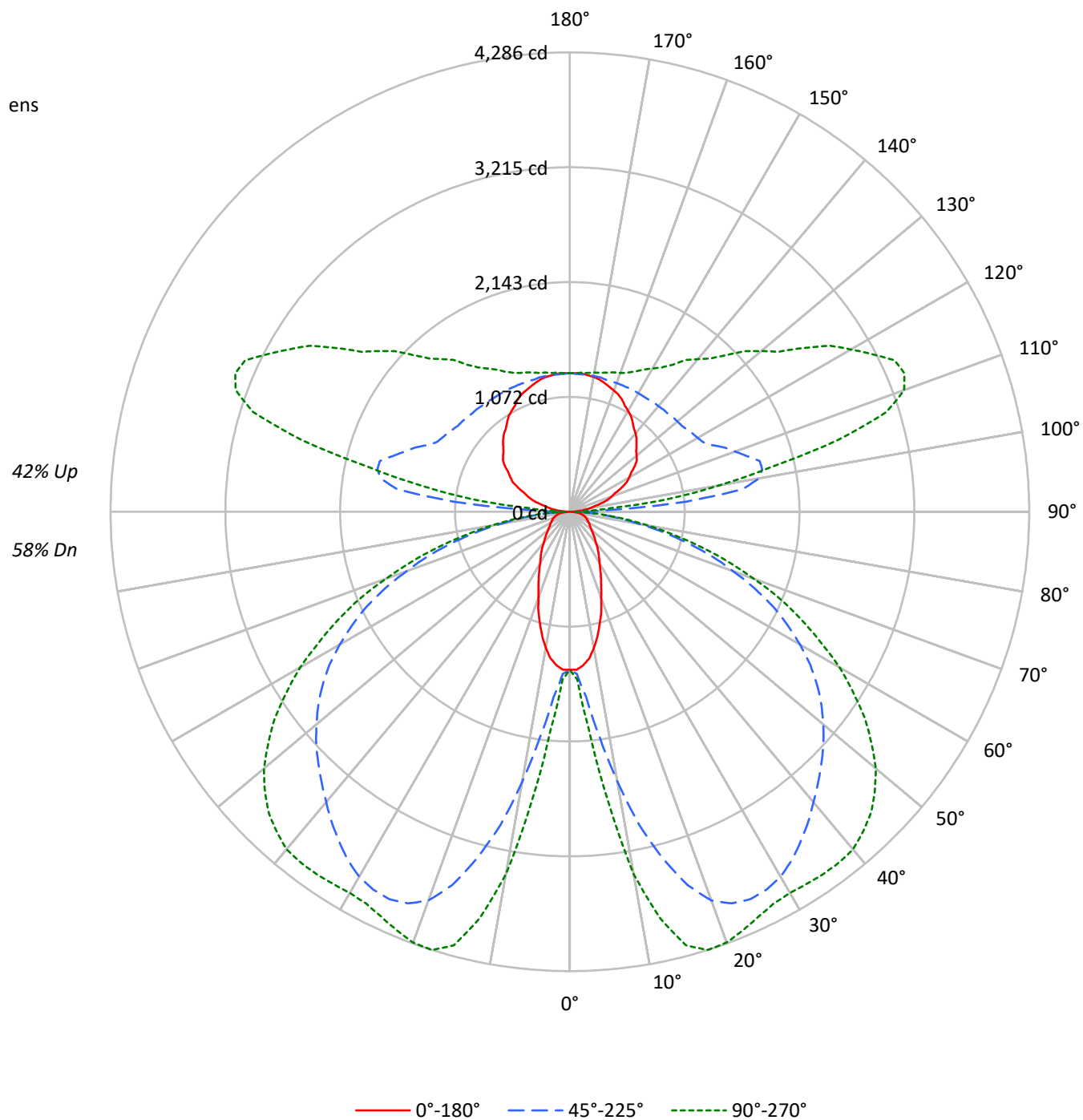
Lumens per Lamp: N/A  
Luminaire Lumens: 19802.7 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 186  
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

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |  |     |     |     |     |  |    |    |    |  |    |    |    |  |    |    |    |    |
|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|--|----|----|----|--|----|----|----|--|----|----|----|----|
| RF  | 20  |     |     |     |  | 20  |     |     |     |  | 20 |    |    |  |    | 20 |    |  |    |    | 20 |    |
| RC  | 80  |     |     |     |  | 70  |     |     |     |  | 50 |    |    |  |    | 30 |    |  |    |    | 0  |    |
| RW  | 70  | 50  | 30  | 10  |  | 70  | 50  | 30  | 10  |  | 50 | 30 | 10 |  | 50 | 30 | 10 |  | 0  |    |    |    |
| RCR |     |     |     |     |  |     |     |     |     |  |    |    |    |  |    |    |    |  |    |    |    |    |
| 0   | 109 | 109 | 109 | 109 |  | 101 | 101 | 101 | 101 |  | 88 | 88 | 88 |  | 75 | 75 | 75 |  | 63 | 63 | 63 | 58 |
| 1   | 99  | 94  | 90  | 86  |  | 92  | 88  | 84  | 81  |  | 76 | 73 | 71 |  | 65 | 63 | 61 |  | 55 | 53 | 52 | 47 |
| 2   | 89  | 82  | 75  | 69  |  | 83  | 76  | 70  | 65  |  | 66 | 61 | 57 |  | 56 | 53 | 50 |  | 47 | 45 | 43 | 38 |
| 3   | 81  | 71  | 63  | 57  |  | 75  | 66  | 59  | 54  |  | 57 | 52 | 47 |  | 49 | 45 | 41 |  | 41 | 38 | 36 | 32 |
| 4   | 74  | 62  | 54  | 48  |  | 68  | 58  | 51  | 45  |  | 50 | 45 | 40 |  | 43 | 39 | 35 |  | 36 | 33 | 30 | 27 |
| 5   | 68  | 55  | 47  | 40  |  | 63  | 52  | 44  | 38  |  | 45 | 39 | 34 |  | 38 | 34 | 30 |  | 33 | 29 | 26 | 23 |
| 6   | 62  | 49  | 41  | 35  |  | 57  | 46  | 38  | 33  |  | 40 | 34 | 29 |  | 34 | 29 | 26 |  | 29 | 25 | 22 | 19 |
| 7   | 57  | 44  | 36  | 30  |  | 53  | 41  | 34  | 28  |  | 36 | 30 | 25 |  | 31 | 26 | 22 |  | 26 | 22 | 19 | 17 |
| 8   | 53  | 40  | 32  | 26  |  | 49  | 37  | 30  | 25  |  | 33 | 27 | 22 |  | 28 | 23 | 20 |  | 24 | 20 | 17 | 15 |
| 9   | 49  | 36  | 28  | 23  |  | 46  | 34  | 27  | 22  |  | 30 | 24 | 20 |  | 26 | 21 | 17 |  | 22 | 18 | 15 | 13 |
| 10  | 46  | 33  | 26  | 21  |  | 43  | 31  | 24  | 20  |  | 27 | 22 | 18 |  | 24 | 19 | 16 |  | 20 | 16 | 14 | 12 |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4561 | 4561  | 4561  |
| 5°  | 4458 | 5273  | 6131  |
| 10° | 4045 | 7688  | 10164 |
| 15° | 3439 | 10047 | 12273 |
| 20° | 2801 | 11646 | 12508 |
| 25° | 2337 | 12190 | 12254 |
| 30° | 1972 | 12270 | 12231 |
| 35° | 1745 | 12069 | 12547 |
| 40° | 1521 | 11808 | 12874 |
| 45° | 1378 | 11618 | 12924 |
| 50° | 1265 | 11447 | 12710 |
| 55° | 1213 | 11196 | 12147 |
| 60° | 1243 | 10709 | 11257 |
| 65° | 1296 | 9966  | 10035 |
| 70° | 1383 | 8698  | 8477  |
| 75° | 1538 | 7098  | 6616  |
| 80° | 1694 | 4929  | 4458  |
| 85° | 1536 | 2620  | 2282  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12924 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 190.8   | 1.0       |
| 10°-20°   | 845.4   | 4.3       |
| 20°-30°   | 1478.8  | 7.5       |
| 30°-40°   | 1903.6  | 9.6       |
| 40°-50°   | 2126.3  | 10.7      |
| 50°-60°   | 2036.5  | 10.3      |
| 60°-70°   | 1613.9  | 8.1       |
| 70°-80°   | 949.0   | 4.8       |
| 80°-90°   | 268.6   | 1.4       |
| 90°-100°  | 630.9   | 3.2       |
| 100°-110° | 1658.6  | 8.4       |
| 110°-120° | 1719.8  | 8.7       |
| 120°-130° | 1379.5  | 7.0       |
| 130°-140° | 1082.4  | 5.5       |
| 140°-150° | 830.8   | 4.2       |
| 150°-160° | 598.3   | 3.0       |
| 160°-170° | 366.1   | 1.8       |
| 170°-180° | 123.7   | 0.6       |
| 0°-30°    | 2514.9  | 12.7      |
| 0°-40°    | 4418.6  | 22.3      |
| 0°-60°    | 8581.3  | 43.3      |
| 0°-90°    | 11412.8 | 57.6      |
| 90°-120°  | 4009.2  | 20.2      |
| 90°-150°  | 7301.8  | 36.9      |
| 90°-180°  | 8390.0  | 42.4      |
| 0°-180°   | 19802.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1475 | 1475  | 1475 | 1475  | 1475 |      |
| 5°   | 1437 | 1541  | 1736 | 1963  | 2034 | 133  |
| 15°  | 1076 | 1987  | 3348 | 4059  | 4187 | 300  |
| 25°  | 688  | 2252  | 3988 | 4163  | 4168 | 317  |
| 35°  | 465  | 2153  | 3755 | 3969  | 4125 | 290  |
| 45°  | 318  | 1716  | 3319 | 3803  | 3974 | 246  |
| 55°  | 228  | 1090  | 2817 | 3272  | 3362 | 207  |
| 65°  | 180  | 578   | 2091 | 2352  | 2385 | 179  |
| 75°  | 133  | 356   | 1148 | 1261  | 1266 | 139  |
| 85°  | 47   | 109   | 284  | 313   | 318  | 50   |
| 90°  | 9    | 24    | 66   | 33    | 33   | 10   |
| 95°  | 83   | 327   | 1087 | 560   | 381  | 93   |
| 105° | 299  | 452   | 1834 | 2784  | 2597 | 317  |
| 115° | 531  | 644   | 1469 | 2930  | 3344 | 524  |
| 125° | 738  | 828   | 1336 | 2258  | 2663 | 656  |
| 135° | 880  | 968   | 1294 | 1822  | 2066 | 681  |
| 145° | 1021 | 1086  | 1278 | 1555  | 1676 | 639  |
| 155° | 1154 | 1186  | 1278 | 1403  | 1444 | 530  |
| 165° | 1245 | 1261  | 1278 | 1328  | 1345 | 351  |
| 175° | 1294 | 1294  | 1286 | 1303  | 1303 | 123  |
| 180° | 1294 | 1294  | 1294 | 1294  | 1294 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 |
| 2.5°   | 1474.7 | 1474.7 | 1484.1 | 1488.9 | 1498.3 | 1503.1 | 1512.6 | 1522.0 | 1550.5 | 1555.3 | 1564.7 |
| 5°     | 1436.7 | 1455.6 | 1517.3 | 1541.0 | 1607.4 | 1697.5 | 1735.5 | 1797.1 | 1925.1 | 1963.1 | 1986.7 |
| 7.5°   | 1379.8 | 1422.5 | 1574.3 | 1612.2 | 1778.1 | 2015.2 | 2114.8 | 2247.6 | 2451.5 | 2551.0 | 2631.6 |
| 10°    | 1289.8 | 1379.8 | 1650.1 | 1740.1 | 2010.4 | 2370.8 | 2555.7 | 2740.6 | 3048.9 | 3186.3 | 3238.6 |
| 12.5°  | 1190.2 | 1337.1 | 1730.7 | 1854.0 | 2242.8 | 2769.1 | 2992.0 | 3195.9 | 3546.8 | 3731.7 | 3760.1 |
| 15°    | 1076.3 | 1275.5 | 1806.5 | 1986.7 | 2489.4 | 3101.1 | 3347.5 | 3598.9 | 3926.1 | 4058.9 | 4092.0 |
| 17.5°  | 976.8  | 1228.1 | 1877.7 | 2067.3 | 2679.0 | 3399.8 | 3651.1 | 3859.7 | 4125.2 | 4215.3 | 4239.1 |
| 20°    | 853.5  | 1152.2 | 1925.1 | 2171.6 | 2878.2 | 3617.8 | 3859.7 | 4020.9 | 4201.1 | 4258.0 | 4267.4 |
| 22.5°  | 763.4  | 1071.6 | 1953.6 | 2209.6 | 3010.9 | 3750.7 | 3954.6 | 4082.5 | 4205.8 | 4224.8 | 4229.5 |
| 25°    | 687.5  | 981.5  | 1948.8 | 2252.2 | 3124.7 | 3831.3 | 3987.7 | 4082.5 | 4153.7 | 4163.1 | 4163.1 |
| 27.5°  | 616.4  | 882.0  | 1929.8 | 2261.8 | 3210.1 | 3850.2 | 3973.5 | 4039.8 | 4073.1 | 4092.0 | 4092.0 |
| 30°    | 554.8  | 787.1  | 1882.4 | 2242.8 | 3248.0 | 3831.3 | 3930.8 | 3964.0 | 3997.2 | 4025.6 | 4039.8 |
| 32.5°  | 507.3  | 697.0  | 1811.3 | 2204.9 | 3252.7 | 3783.8 | 3855.0 | 3874.0 | 3921.3 | 3987.7 | 4011.4 |
| 35°    | 464.7  | 606.9  | 1730.7 | 2152.7 | 3224.4 | 3708.0 | 3755.3 | 3774.4 | 3869.2 | 3968.8 | 4001.9 |
| 37.5°  | 422.0  | 540.5  | 1626.4 | 2062.6 | 3181.7 | 3617.8 | 3651.1 | 3684.3 | 3831.3 | 3949.8 | 3987.7 |
| 40°    | 379.3  | 483.6  | 1503.1 | 1963.1 | 3115.3 | 3508.9 | 3537.2 | 3589.5 | 3783.8 | 3921.3 | 3959.2 |
| 42.5°  | 346.1  | 436.3  | 1370.4 | 1858.8 | 3029.9 | 3385.6 | 3428.2 | 3504.1 | 3726.9 | 3874.0 | 3916.6 |
| 45°    | 317.7  | 388.8  | 1228.1 | 1716.5 | 2920.8 | 3257.5 | 3319.2 | 3423.5 | 3660.5 | 3802.8 | 3840.7 |
| 47.5°  | 289.3  | 355.7  | 1081.1 | 1569.5 | 2802.3 | 3129.5 | 3210.1 | 3328.6 | 3570.5 | 3708.0 | 3741.1 |
| 50°    | 265.5  | 322.4  | 934.1  | 1413.0 | 2674.3 | 2992.0 | 3086.8 | 3210.1 | 3456.6 | 3584.7 | 3627.4 |
| 52.5°  | 246.6  | 294.0  | 796.6  | 1256.5 | 2527.3 | 2849.7 | 2958.8 | 3086.8 | 3319.2 | 3442.4 | 3470.8 |
| 55°    | 227.6  | 270.3  | 678.1  | 1090.5 | 2375.5 | 2698.0 | 2816.6 | 2939.9 | 3167.4 | 3271.7 | 3290.7 |
| 57.5°  | 218.1  | 251.3  | 578.5  | 934.1  | 2214.3 | 2527.3 | 2660.0 | 2773.9 | 2987.2 | 3067.8 | 3086.8 |
| 60°    | 203.9  | 237.0  | 502.6  | 801.4  | 2038.9 | 2366.1 | 2479.9 | 2593.7 | 2773.9 | 2840.2 | 2854.5 |
| 62.5°  | 189.7  | 227.6  | 445.7  | 673.3  | 1858.8 | 2176.4 | 2290.2 | 2394.5 | 2546.3 | 2593.7 | 2612.7 |
| 65°    | 180.2  | 218.1  | 403.0  | 578.5  | 1673.8 | 1977.3 | 2091.0 | 2181.2 | 2304.5 | 2351.8 | 2361.3 |
| 67.5°  | 170.7  | 208.7  | 369.9  | 497.9  | 1488.9 | 1778.1 | 1863.4 | 1948.8 | 2043.7 | 2091.0 | 2095.8 |
| 70°    | 156.4  | 199.1  | 341.4  | 440.9  | 1299.2 | 1550.5 | 1621.6 | 1711.7 | 1787.6 | 1811.3 | 1825.5 |
| 72.5°  | 147.0  | 184.9  | 322.4  | 398.3  | 1104.8 | 1332.4 | 1398.8 | 1451.0 | 1517.3 | 1541.0 | 1541.0 |
| 75°    | 132.7  | 166.0  | 303.5  | 355.7  | 905.6  | 1090.5 | 1147.5 | 1199.6 | 1251.7 | 1261.3 | 1247.1 |
| 77.5°  | 118.5  | 147.0  | 260.8  | 298.7  | 706.5  | 863.0  | 910.4  | 938.9  | 981.5  | 991.0  | 995.7  |
| 80°    | 99.6   | 128.1  | 203.9  | 232.4  | 512.1  | 635.4  | 668.6  | 692.3  | 730.2  | 730.2  | 739.7  |
| 82.5°  | 75.8   | 99.6   | 147.0  | 166.0  | 346.1  | 436.3  | 464.7  | 478.9  | 502.6  | 502.6  | 502.6  |
| 85°    | 47.4   | 61.6   | 94.8   | 109.1  | 208.7  | 265.5  | 284.5  | 289.3  | 308.2  | 313.0  | 313.0  |
| 87.5°  | 23.7   | 33.2   | 61.6   | 66.4   | 109.1  | 137.5  | 137.5  | 147.0  | 147.0  | 142.2  | 137.5  |
| 90°    | 8.7    | 15.6   | 22.5   | 24.3   | 38.2   | 56.8   | 66.0   | 58.7   | 44.0   | 33.0   | 33.0   |
| 92.5°  | 34.7   | 93.8   | 152.9  | 167.7  | 235.6  | 326.3  | 371.7  | 325.8  | 234.0  | 165.0  | 158.5  |
| 95°    | 83.4   | 191.5  | 299.6  | 326.6  | 579.9  | 917.7  | 1086.6 | 969.7  | 735.7  | 560.2  | 540.3  |
| 97.5°  | 144.2  | 239.6  | 334.9  | 358.7  | 781.2  | 1344.4 | 1626.0 | 1552.0 | 1404.2 | 1293.3 | 1255.5 |
| 100°   | 191.1  | 277.6  | 364.1  | 385.6  | 854.4  | 1479.4 | 1791.9 | 1797.3 | 1808.1 | 1816.3 | 1771.1 |
| 102.5° | 231.1  | 311.8  | 392.4  | 412.5  | 888.0  | 1521.9 | 1838.9 | 1933.0 | 2121.4 | 2262.7 | 2224.1 |
| 105°   | 298.8  | 367.2  | 435.4  | 452.5  | 912.9  | 1526.7 | 1833.6 | 2044.8 | 2467.2 | 2783.9 | 2763.1 |
| 107.5° | 368.3  | 432.0  | 495.7  | 511.6  | 917.6  | 1458.8 | 1729.4 | 2024.0 | 2613.1 | 3054.8 | 3059.9 |
| 110°   | 415.2  | 472.7  | 530.2  | 544.6  | 910.6  | 1398.6 | 1642.5 | 1971.9 | 2630.4 | 3124.3 | 3145.9 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 461.2  | 516.0  | 570.9  | 584.6  | 910.9  | 1346.0 | 1563.5 | 1900.5 | 2574.6 | 3080.1 | 3113.2 |
| 115°   | 530.7  | 581.2  | 631.9  | 644.5  | 919.2  | 1285.7 | 1468.8 | 1793.5 | 2442.8 | 2929.8 | 2975.8 |
| 117.5° | 599.3  | 645.3  | 691.2  | 702.6  | 936.3  | 1247.8 | 1403.6 | 1696.6 | 2282.6 | 2722.1 | 2773.2 |
| 120°   | 639.3  | 682.6  | 725.7  | 736.6  | 950.3  | 1235.1 | 1377.6 | 1645.2 | 2180.7 | 2582.3 | 2631.9 |
| 122.5° | 678.4  | 722.0  | 765.6  | 776.5  | 970.2  | 1228.5 | 1357.6 | 1598.6 | 2080.9 | 2442.5 | 2491.4 |
| 125°   | 738.3  | 778.1  | 817.9  | 827.8  | 997.1  | 1223.0 | 1335.9 | 1540.7 | 1950.3 | 2257.5 | 2302.6 |
| 127.5° | 787.0  | 827.2  | 867.3  | 877.3  | 1024.1 | 1219.8 | 1317.7 | 1493.6 | 1845.2 | 2109.0 | 2147.0 |
| 130°   | 813.0  | 856.3  | 899.4  | 910.3  | 1043.7 | 1221.7 | 1310.7 | 1467.2 | 1780.3 | 2015.1 | 2050.2 |
| 132.5° | 839.9  | 883.2  | 926.3  | 937.2  | 1059.6 | 1223.0 | 1304.6 | 1444.7 | 1725.0 | 1935.2 | 1966.7 |
| 135°   | 879.9  | 919.2  | 958.7  | 968.5  | 1077.1 | 1221.9 | 1294.2 | 1411.6 | 1646.3 | 1822.3 | 1849.4 |
| 137.5° | 920.7  | 959.7  | 998.7  | 1008.4 | 1103.1 | 1229.3 | 1292.5 | 1391.7 | 1590.1 | 1738.9 | 1761.2 |
| 140°   | 954.5  | 990.4  | 1026.4 | 1035.3 | 1119.0 | 1230.6 | 1286.4 | 1372.1 | 1543.5 | 1672.0 | 1692.8 |
| 142.5° | 980.6  | 1013.9 | 1047.0 | 1055.3 | 1132.4 | 1235.0 | 1286.4 | 1361.7 | 1512.2 | 1625.2 | 1643.0 |
| 145°   | 1020.6 | 1049.5 | 1078.5 | 1085.8 | 1149.8 | 1235.0 | 1277.7 | 1339.3 | 1462.5 | 1554.8 | 1568.4 |
| 147.5° | 1060.6 | 1088.8 | 1117.0 | 1124.0 | 1175.3 | 1243.5 | 1277.7 | 1326.2 | 1423.0 | 1495.7 | 1506.9 |
| 150°   | 1086.6 | 1112.1 | 1137.6 | 1144.0 | 1188.5 | 1248.0 | 1277.7 | 1318.6 | 1400.4 | 1461.8 | 1470.9 |
| 152.5° | 1113.5 | 1132.8 | 1152.1 | 1156.9 | 1197.2 | 1250.9 | 1277.7 | 1312.6 | 1382.5 | 1434.9 | 1441.7 |
| 155°   | 1153.5 | 1167.8 | 1182.1 | 1185.6 | 1216.3 | 1257.3 | 1277.7 | 1305.5 | 1361.1 | 1402.8 | 1407.4 |
| 157.5° | 1183.0 | 1196.9 | 1210.8 | 1214.3 | 1235.4 | 1263.6 | 1277.7 | 1299.3 | 1342.5 | 1374.9 | 1378.1 |
| 160°   | 1203.0 | 1213.8 | 1224.7 | 1227.4 | 1244.2 | 1266.5 | 1277.7 | 1296.2 | 1333.3 | 1361.1 | 1363.0 |
| 162.5° | 1223.0 | 1231.1 | 1239.1 | 1241.2 | 1253.3 | 1269.6 | 1277.7 | 1293.3 | 1324.6 | 1348.0 | 1349.8 |
| 165°   | 1244.7 | 1252.0 | 1259.3 | 1261.2 | 1266.7 | 1274.1 | 1277.7 | 1288.9 | 1311.2 | 1328.1 | 1329.9 |
| 167.5° | 1264.6 | 1268.1 | 1271.6 | 1272.5 | 1277.2 | 1283.3 | 1286.4 | 1293.7 | 1308.3 | 1319.4 | 1320.1 |
| 170°   | 1277.7 | 1281.2 | 1284.7 | 1285.6 | 1285.8 | 1286.2 | 1286.4 | 1293.7 | 1308.3 | 1319.4 | 1319.4 |
| 172.5° | 1284.6 | 1285.4 | 1286.2 | 1286.4 | 1286.4 | 1286.4 | 1286.4 | 1292.2 | 1303.8 | 1312.5 | 1311.8 |
| 175°   | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1291.6 | 1288.2 | 1286.4 | 1290.0 | 1297.4 | 1302.9 | 1302.9 |
| 177.5° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1292.2 | 1289.5 | 1288.2 | 1291.1 | 1296.9 | 1301.2 | 1300.4 |
| 180°   | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |

TEST NUMBER: P937381

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1474.7 | 1474.7 |
| 2.5°   | 1574.3 | 1564.7 |
| 5°     | 2024.7 | 2034.2 |
| 7.5°   | 2726.4 | 2721.7 |
| 10°    | 3390.2 | 3432.9 |
| 12.5°  | 3874.0 | 3883.4 |
| 15°    | 4167.9 | 4186.8 |
| 17.5°  | 4281.7 | 4286.4 |
| 20°    | 4286.4 | 4277.0 |
| 22.5°  | 4234.3 | 4224.8 |
| 25°    | 4172.6 | 4167.9 |
| 27.5°  | 4115.8 | 4120.5 |
| 30°    | 4092.0 | 4106.2 |
| 32.5°  | 4092.0 | 4115.8 |
| 35°    | 4101.5 | 4125.2 |
| 37.5°  | 4096.8 | 4125.2 |
| 40°    | 4077.8 | 4111.0 |
| 42.5°  | 4025.6 | 4049.4 |
| 45°    | 3945.0 | 3973.5 |
| 47.5°  | 3840.7 | 3859.7 |
| 50°    | 3708.0 | 3726.9 |
| 52.5°  | 3542.0 | 3546.8 |
| 55°    | 3342.9 | 3361.8 |
| 57.5°  | 3129.5 | 3134.2 |
| 60°    | 2892.4 | 2906.6 |
| 62.5°  | 2641.1 | 2641.1 |
| 65°    | 2375.5 | 2385.1 |
| 67.5°  | 2100.6 | 2124.3 |
| 70°    | 1820.8 | 1825.5 |
| 72.5°  | 1545.8 | 1545.8 |
| 75°    | 1261.3 | 1266.0 |
| 77.5°  | 991.0  | 991.0  |
| 80°    | 735.0  | 739.7  |
| 82.5°  | 507.3  | 516.9  |
| 85°    | 317.7  | 317.7  |
| 87.5°  | 147.0  | 132.7  |
| 90°    | 33.0   | 33.0   |
| 92.5°  | 132.3  | 106.0  |
| 95°    | 460.8  | 381.4  |
| 97.5°  | 1104.2 | 952.9  |
| 100°   | 1590.9 | 1410.6 |
| 102.5° | 2069.7 | 1915.3 |
| 105°   | 2680.1 | 2597.1 |
| 107.5° | 3080.0 | 3100.0 |
| 110°   | 3232.4 | 3318.9 |



TEST NUMBER: P937381

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3246.0 | 3378.8 |
| 115°   | 3159.9 | 3344.1 |
| 117.5° | 2977.4 | 3181.7 |
| 120°   | 2830.4 | 3028.8 |
| 122.5° | 2687.1 | 2882.9 |
| 125°   | 2482.9 | 2663.1 |
| 127.5° | 2299.1 | 2451.2 |
| 130°   | 2190.8 | 2331.4 |
| 132.5° | 2092.5 | 2218.4 |
| 135°   | 1957.9 | 2066.4 |
| 137.5° | 1849.9 | 1938.7 |
| 140°   | 1775.8 | 1858.8 |
| 142.5° | 1714.5 | 1785.8 |
| 145°   | 1622.4 | 1676.3 |
| 147.5° | 1551.7 | 1596.5 |
| 150°   | 1507.2 | 1543.5 |
| 152.5° | 1469.2 | 1496.5 |
| 155°   | 1425.5 | 1443.6 |
| 157.5° | 1390.9 | 1403.6 |
| 160°   | 1370.3 | 1377.6 |
| 162.5° | 1356.7 | 1363.7 |
| 165°   | 1337.2 | 1344.6 |
| 167.5° | 1323.3 | 1326.4 |
| 170°   | 1319.4 | 1319.4 |
| 172.5° | 1309.1 | 1306.4 |
| 175°   | 1302.9 | 1302.9 |
| 177.5° | 1297.3 | 1294.2 |
| 180°   | 1294.2 | 1294.2 |

TEST NUMBER: P937381

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-12-5000K

**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 | 6.95             | 7.93  | 7.83  | 8.84  | 9.99  | 20.14          | 21.12 | 21.02 | 22.03 | 23.18 |
|                 | 3H   | 7.66             | 8.55  | 8.56  | 9.46  | 10.64 | 22.00          | 22.88 | 22.89 | 23.79 | 24.97 |
|                 | 4H   | 7.97             | 8.80  | 8.87  | 9.73  | 10.91 | 22.65          | 23.48 | 23.56 | 24.41 | 25.60 |
|                 | 6H   | 8.22             | 9.00  | 9.14  | 9.92  | 11.13 | 23.09          | 23.86 | 24.01 | 24.79 | 25.99 |
|                 | 8H   | 8.30             | 9.03  | 9.22  | 9.98  | 11.18 | 23.22          | 23.95 | 24.14 | 24.90 | 26.10 |
|                 | 12H  | 8.32             | 9.02  | 9.25  | 9.96  | 11.19 | 23.29          | 23.99 | 24.23 | 24.93 | 26.16 |
| 4H              | 2H   | 14.19            | 15.02 | 15.10 | 15.94 | 17.13 | 20.43          | 21.27 | 21.34 | 22.19 | 23.38 |
|                 | 3H   | 15.77            | 16.47 | 16.69 | 17.42 | 18.62 | 22.49          | 23.19 | 23.42 | 24.14 | 25.35 |
|                 | 4H   | 15.86            | 16.51 | 16.80 | 17.45 | 18.68 | 23.27          | 23.91 | 24.20 | 24.85 | 26.08 |
|                 | 6H   | 15.88            | 16.44 | 16.83 | 17.41 | 18.64 | 23.82          | 24.37 | 24.77 | 25.34 | 26.57 |
|                 | 8H   | 15.86            | 16.38 | 16.81 | 17.35 | 18.59 | 23.99          | 24.50 | 24.94 | 25.47 | 26.71 |
|                 | 12H  | 15.83            | 16.29 | 16.80 | 17.28 | 18.53 | 24.09          | 24.56 | 25.06 | 25.54 | 26.79 |
| 8H              | 4H   | 17.32            | 17.84 | 18.27 | 18.81 | 20.05 | 23.34          | 23.86 | 24.29 | 24.82 | 26.06 |
|                 | 6H   | 17.57            | 18.00 | 18.55 | 19.01 | 20.25 | 23.98          | 24.41 | 24.95 | 25.41 | 26.66 |
|                 | 8H   | 17.59            | 17.97 | 18.58 | 18.97 | 20.23 | 24.20          | 24.58 | 25.19 | 25.58 | 26.84 |
|                 | 12H  | 17.57            | 17.90 | 18.56 | 18.89 | 20.20 | 24.35          | 24.69 | 25.35 | 25.68 | 26.99 |
| 12H             | 4H   | 17.47            | 17.94 | 18.45 | 18.92 | 20.17 | 23.30          | 23.76 | 24.27 | 24.75 | 26.00 |
|                 | 6H   | 17.83            | 18.21 | 18.82 | 19.21 | 20.47 | 23.96          | 24.34 | 24.95 | 25.34 | 26.60 |
|                 | 8H   | 17.91            | 18.24 | 18.90 | 19.23 | 20.54 | 24.20          | 24.54 | 25.19 | 25.52 | 26.83 |