

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: P936995

Luminaire Tested: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936995  
REPORT IS A COMBINATION OF REPORTS P933488 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

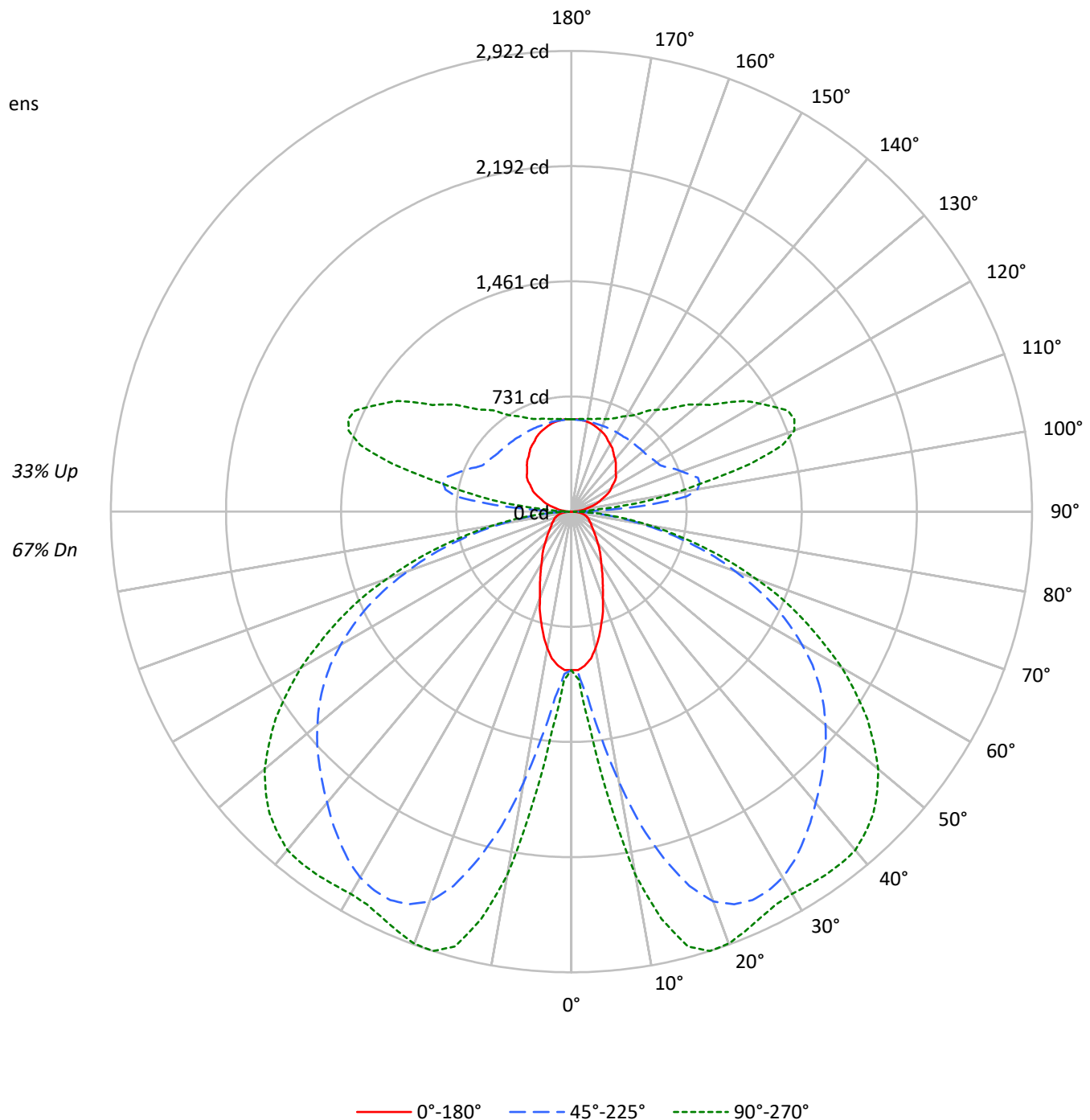
Lumens per Lamp: N/A  
Luminaire Lumens: 11581.3 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 112  
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: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

**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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |  |    |    |    |  |    |
| 0   | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 |  | 82 | 82 | 82 |  | 72 |
| 1   | 101 | 96  | 92  | 88  | 95  | 91  | 87  | 83  | 80 | 78 | 75 |  | 71 | 69 | 67 |  | 62 |
| 2   | 91  | 83  | 76  | 71  | 86  | 78  | 72  | 67  | 70 | 65 | 61 |  | 61 | 58 | 55 |  | 54 |
| 3   | 83  | 72  | 64  | 58  | 77  | 68  | 61  | 55  | 61 | 55 | 50 |  | 54 | 49 | 45 |  | 47 |
| 4   | 75  | 64  | 55  | 48  | 70  | 60  | 52  | 46  | 53 | 47 | 42 |  | 47 | 42 | 38 |  | 42 |
| 5   | 69  | 56  | 47  | 41  | 64  | 53  | 45  | 39  | 47 | 41 | 36 |  | 42 | 37 | 32 |  | 37 |
| 6   | 63  | 50  | 41  | 35  | 59  | 47  | 39  | 34  | 42 | 36 | 31 |  | 38 | 32 | 28 |  | 33 |
| 7   | 58  | 45  | 36  | 30  | 55  | 43  | 35  | 29  | 38 | 32 | 27 |  | 34 | 29 | 24 |  | 30 |
| 8   | 54  | 41  | 32  | 27  | 51  | 39  | 31  | 26  | 35 | 28 | 24 |  | 31 | 26 | 22 |  | 27 |
| 9   | 50  | 37  | 29  | 24  | 47  | 35  | 28  | 23  | 32 | 25 | 21 |  | 28 | 23 | 19 |  | 25 |
| 10  | 47  | 34  | 26  | 21  | 44  | 32  | 25  | 20  | 29 | 23 | 19 |  | 26 | 21 | 17 |  | 23 |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4664 | 4664  | 4664  |
| 5°  | 4556 | 5391  | 6269  |
| 10° | 4133 | 7858  | 10393 |
| 15° | 3512 | 10266 | 12550 |
| 20° | 2860 | 11897 | 12790 |
| 25° | 2385 | 12449 | 12530 |
| 30° | 2012 | 12528 | 12506 |
| 35° | 1779 | 12320 | 12830 |
| 40° | 1550 | 12050 | 13164 |
| 45° | 1404 | 11851 | 13216 |
| 50° | 1287 | 11673 | 12997 |
| 55° | 1233 | 11413 | 12421 |
| 60° | 1262 | 10911 | 11511 |
| 65° | 1313 | 10149 | 10261 |
| 70° | 1399 | 8851  | 8669  |
| 75° | 1550 | 7217  | 6765  |
| 80° | 1694 | 5004  | 4558  |
| 85° | 1504 | 2656  | 2333  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13216 cd/sqm

TEST NUMBER: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 130.0   | 1.1       |
| 10°-20°   | 576.3   | 5.0       |
| 20°-30°   | 1008.1  | 8.7       |
| 30°-40°   | 1297.7  | 11.2      |
| 40°-50°   | 1449.4  | 12.5      |
| 50°-60°   | 1388.2  | 12.0      |
| 60°-70°   | 1100.2  | 9.5       |
| 70°-80°   | 646.9   | 5.6       |
| 80°-90°   | 182.0   | 1.6       |
| 90°-100°  | 285.9   | 2.5       |
| 100°-110° | 751.7   | 6.5       |
| 110°-120° | 779.4   | 6.7       |
| 120°-130° | 625.2   | 5.4       |
| 130°-140° | 490.6   | 4.2       |
| 140°-150° | 376.5   | 3.3       |
| 150°-160° | 271.2   | 2.3       |
| 160°-170° | 165.9   | 1.4       |
| 170°-180° | 56.1    | 0.5       |
| 0°-30°    | 1714.4  | 14.8      |
| 0°-40°    | 3012.1  | 26.0      |
| 0°-60°    | 5849.7  | 50.5      |
| 0°-90°    | 7778.8  | 67.2      |
| 90°-120°  | 1817.1  | 15.7      |
| 90°-150°  | 3309.4  | 28.6      |
| 90°-180°  | 3802.0  | 32.8      |
| 0°-180°   | 11581.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1005 | 1005  | 1005 | 1005  | 1005 |      |
| 5°   | 979  | 1050  | 1183 | 1338  | 1387 | 90   |
| 15°  | 734  | 1354  | 2282 | 2767  | 2854 | 204  |
| 25°  | 469  | 1535  | 2718 | 2838  | 2841 | 216  |
| 35°  | 317  | 1468  | 2560 | 2705  | 2812 | 198  |
| 45°  | 217  | 1170  | 2263 | 2592  | 2709 | 168  |
| 55°  | 155  | 744   | 1920 | 2230  | 2292 | 141  |
| 65°  | 123  | 394   | 1425 | 1603  | 1626 | 122  |
| 75°  | 90   | 242   | 782  | 860   | 863  | 95   |
| 85°  | 32   | 74    | 194  | 213   | 217  | 34   |
| 90°  | 4    | 11    | 30   | 15    | 15   | 5    |
| 95°  | 38   | 148   | 492  | 254   | 173  | 42   |
| 105° | 135  | 205   | 831  | 1262  | 1177 | 144  |
| 115° | 241  | 292   | 666  | 1328  | 1516 | 238  |
| 125° | 335  | 375   | 606  | 1023  | 1207 | 297  |
| 135° | 399  | 439   | 587  | 826   | 937  | 309  |
| 145° | 463  | 492   | 579  | 705   | 760  | 290  |
| 155° | 523  | 537   | 579  | 636   | 654  | 240  |
| 165° | 564  | 572   | 579  | 602   | 609  | 159  |
| 175° | 587  | 587   | 583  | 590   | 590  | 56   |
| 180° | 587  | 587   | 587  | 587   | 587  |      |

TEST NUMBER: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1005.2 | 1005.2 | 1005.2 | 1005.2 | 1005.2 | 1005.2 | 1005.2 | 1005.2 | 1005.2 | 1005.2 | 1005.2 |
| 2.5°   | 1005.2 | 1005.2 | 1011.7 | 1015.0 | 1021.4 | 1024.6 | 1031.1 | 1037.6 | 1057.0 | 1060.2 | 1066.6 |
| 5°     | 979.4  | 992.3  | 1034.4 | 1050.5 | 1095.8 | 1157.2 | 1183.1 | 1225.1 | 1312.3 | 1338.1 | 1354.3 |
| 7.5°   | 940.6  | 969.7  | 1073.1 | 1099.0 | 1212.1 | 1373.8 | 1441.6 | 1532.1 | 1671.1 | 1739.0 | 1794.0 |
| 10°    | 879.2  | 940.6  | 1124.8 | 1186.2 | 1370.5 | 1616.1 | 1742.2 | 1868.3 | 2078.4 | 2172.1 | 2207.7 |
| 12.5°  | 811.3  | 911.5  | 1179.8 | 1263.8 | 1528.9 | 1887.7 | 2039.6 | 2178.5 | 2417.8 | 2543.8 | 2563.2 |
| 15°    | 733.7  | 869.5  | 1231.5 | 1354.3 | 1696.9 | 2113.9 | 2282.0 | 2453.3 | 2676.4 | 2766.8 | 2789.5 |
| 17.5°  | 665.8  | 837.2  | 1280.0 | 1409.3 | 1826.2 | 2317.6 | 2488.8 | 2631.1 | 2812.1 | 2873.5 | 2889.6 |
| 20°    | 581.8  | 785.5  | 1312.3 | 1480.3 | 1962.0 | 2466.3 | 2631.1 | 2740.9 | 2863.9 | 2902.6 | 2909.0 |
| 22.5°  | 520.4  | 730.5  | 1331.7 | 1506.2 | 2052.5 | 2556.7 | 2695.8 | 2783.0 | 2867.0 | 2880.0 | 2883.2 |
| 25°    | 468.7  | 669.1  | 1328.5 | 1535.4 | 2130.1 | 2611.7 | 2718.4 | 2783.0 | 2831.5 | 2838.0 | 2838.0 |
| 27.5°  | 420.2  | 601.2  | 1315.5 | 1541.8 | 2188.3 | 2624.6 | 2708.7 | 2753.9 | 2776.6 | 2789.5 | 2789.5 |
| 30°    | 378.2  | 536.5  | 1283.2 | 1528.9 | 2214.2 | 2611.7 | 2679.5 | 2702.2 | 2724.8 | 2744.2 | 2753.9 |
| 32.5°  | 345.9  | 475.1  | 1234.7 | 1503.0 | 2217.3 | 2579.4 | 2627.9 | 2640.8 | 2673.1 | 2718.4 | 2734.5 |
| 35°    | 316.8  | 413.7  | 1179.8 | 1467.5 | 2197.9 | 2527.7 | 2560.0 | 2572.9 | 2637.5 | 2705.4 | 2728.1 |
| 37.5°  | 287.6  | 368.4  | 1108.7 | 1406.0 | 2168.9 | 2466.3 | 2488.8 | 2511.5 | 2611.7 | 2692.5 | 2718.4 |
| 40°    | 258.6  | 329.7  | 1024.6 | 1338.1 | 2123.6 | 2391.9 | 2411.3 | 2446.8 | 2579.4 | 2673.1 | 2698.9 |
| 42.5°  | 236.0  | 297.4  | 934.2  | 1267.1 | 2065.5 | 2307.9 | 2337.0 | 2388.6 | 2540.6 | 2640.8 | 2669.9 |
| 45°    | 216.6  | 265.0  | 837.2  | 1170.1 | 1991.1 | 2220.6 | 2262.6 | 2333.7 | 2495.3 | 2592.3 | 2618.1 |
| 47.5°  | 197.2  | 242.4  | 737.0  | 1069.9 | 1910.3 | 2133.3 | 2188.3 | 2269.1 | 2433.9 | 2527.7 | 2550.3 |
| 50°    | 181.0  | 219.8  | 636.8  | 963.2  | 1823.0 | 2039.6 | 2104.2 | 2188.3 | 2356.4 | 2443.7 | 2472.7 |
| 52.5°  | 168.1  | 200.4  | 543.0  | 856.5  | 1722.8 | 1942.6 | 2017.0 | 2104.2 | 2262.6 | 2346.6 | 2366.0 |
| 55°    | 155.2  | 184.2  | 462.2  | 743.5  | 1619.4 | 1839.1 | 1920.0 | 2004.1 | 2159.2 | 2230.3 | 2243.2 |
| 57.5°  | 148.7  | 171.3  | 394.3  | 636.8  | 1509.5 | 1722.8 | 1813.4 | 1890.9 | 2036.3 | 2091.3 | 2104.2 |
| 60°    | 139.0  | 161.6  | 342.7  | 546.3  | 1389.9 | 1612.9 | 1690.4 | 1768.1 | 1890.9 | 1936.2 | 1945.8 |
| 62.5°  | 129.3  | 155.2  | 303.9  | 459.0  | 1267.1 | 1483.6 | 1561.2 | 1632.3 | 1735.7 | 1768.1 | 1781.0 |
| 65°    | 122.8  | 148.7  | 274.8  | 394.3  | 1141.0 | 1347.9 | 1425.4 | 1486.8 | 1570.9 | 1603.3 | 1609.7 |
| 67.5°  | 116.3  | 142.2  | 252.1  | 339.4  | 1015.0 | 1212.1 | 1270.2 | 1328.5 | 1393.2 | 1425.4 | 1428.7 |
| 70°    | 106.7  | 135.8  | 232.7  | 300.6  | 885.7  | 1057.0 | 1105.4 | 1166.8 | 1218.6 | 1234.7 | 1244.5 |
| 72.5°  | 100.2  | 126.1  | 219.8  | 271.5  | 753.1  | 908.3  | 953.6  | 989.1  | 1034.4 | 1050.5 | 1050.5 |
| 75°    | 90.5   | 113.2  | 206.9  | 242.4  | 617.4  | 743.5  | 782.2  | 817.8  | 853.3  | 859.8  | 850.1  |
| 77.5°  | 80.8   | 100.2  | 177.8  | 203.6  | 481.6  | 588.3  | 620.6  | 640.0  | 669.1  | 675.6  | 678.8  |
| 80°    | 67.9   | 87.3   | 139.0  | 158.3  | 349.1  | 433.1  | 455.7  | 472.0  | 497.7  | 497.7  | 504.2  |
| 82.5°  | 51.8   | 67.9   | 100.2  | 113.2  | 236.0  | 297.4  | 316.8  | 326.4  | 342.7  | 342.7  | 342.7  |
| 85°    | 32.3   | 42.0   | 64.7   | 74.3   | 142.2  | 181.0  | 194.0  | 197.2  | 210.1  | 213.3  | 213.3  |
| 87.5°  | 16.1   | 22.6   | 42.0   | 45.3   | 74.3   | 93.8   | 93.8   | 100.2  | 100.2  | 96.9   | 93.8   |
| 90°    | 3.9    | 7.1    | 10.2   | 11.0   | 17.3   | 25.7   | 29.9   | 26.5   | 20.0   | 15.0   | 15.0   |
| 92.5°  | 15.8   | 42.5   | 69.3   | 76.0   | 106.9  | 147.9  | 168.5  | 147.6  | 106.0  | 74.8   | 71.8   |
| 95°    | 37.8   | 86.8   | 135.8  | 148.0  | 262.8  | 415.9  | 492.5  | 439.5  | 333.5  | 253.9  | 245.0  |
| 97.5°  | 65.3   | 108.5  | 151.7  | 162.5  | 354.0  | 609.3  | 737.0  | 703.5  | 636.4  | 586.2  | 569.0  |
| 100°   | 86.6   | 125.8  | 164.9  | 174.8  | 387.3  | 670.5  | 812.1  | 814.6  | 819.5  | 823.1  | 802.7  |
| 102.5° | 104.8  | 141.3  | 177.8  | 187.0  | 402.4  | 689.8  | 833.4  | 876.1  | 961.5  | 1025.5 | 1008.0 |
| 105°   | 135.4  | 166.4  | 197.4  | 205.1  | 413.8  | 692.0  | 831.0  | 926.7  | 1118.2 | 1261.7 | 1252.3 |
| 107.5° | 166.9  | 195.8  | 224.6  | 231.9  | 415.8  | 661.1  | 783.8  | 917.3  | 1184.3 | 1384.6 | 1386.9 |
| 110°   | 188.1  | 214.2  | 240.4  | 246.9  | 412.8  | 633.8  | 744.4  | 893.7  | 1192.1 | 1416.0 | 1425.8 |

TEST NUMBER: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 209.0 | 233.9 | 258.7 | 264.9 | 412.8 | 610.1 | 708.6 | 861.3 | 1166.8 | 1395.9 | 1411.0 |
| 115°   | 240.6 | 263.5 | 286.4 | 292.1 | 416.7 | 582.7 | 665.7 | 812.9 | 1107.1 | 1327.8 | 1348.7 |
| 117.5° | 271.6 | 292.4 | 313.2 | 318.5 | 424.4 | 565.6 | 636.1 | 769.0 | 1034.6 | 1233.8 | 1256.9 |
| 120°   | 289.7 | 309.3 | 329.0 | 333.9 | 430.7 | 559.8 | 624.4 | 745.7 | 988.3  | 1170.4 | 1192.8 |
| 122.5° | 307.4 | 327.2 | 347.0 | 351.9 | 439.7 | 556.8 | 615.3 | 724.6 | 943.2  | 1107.0 | 1129.2 |
| 125°   | 334.6 | 352.6 | 370.6 | 375.1 | 451.9 | 554.3 | 605.5 | 698.3 | 883.9  | 1023.2 | 1043.6 |
| 127.5° | 356.7 | 374.8 | 393.0 | 397.6 | 464.1 | 552.8 | 597.2 | 676.9 | 836.3  | 955.9  | 973.0  |
| 130°   | 368.4 | 388.0 | 407.7 | 412.6 | 473.0 | 553.7 | 594.0 | 665.0 | 806.9  | 913.3  | 929.2  |
| 132.5° | 380.7 | 400.2 | 419.9 | 424.8 | 480.3 | 554.3 | 591.3 | 654.8 | 781.9  | 877.1  | 891.3  |
| 135°   | 398.8 | 416.7 | 434.4 | 438.9 | 488.1 | 553.7 | 586.6 | 639.8 | 746.1  | 825.9  | 838.2  |
| 137.5° | 417.3 | 435.0 | 452.7 | 457.1 | 499.9 | 557.1 | 585.8 | 630.8 | 720.7  | 788.2  | 798.2  |
| 140°   | 432.6 | 448.9 | 465.2 | 469.3 | 507.2 | 557.7 | 583.0 | 621.9 | 699.5  | 757.8  | 767.2  |
| 142.5° | 444.5 | 459.5 | 474.5 | 478.3 | 513.2 | 559.7 | 583.0 | 617.1 | 685.4  | 736.6  | 744.7  |
| 145°   | 462.6 | 475.7 | 488.9 | 492.1 | 521.1 | 559.8 | 579.1 | 607.0 | 662.9  | 704.7  | 710.8  |
| 147.5° | 480.7 | 493.4 | 506.2 | 509.4 | 532.6 | 563.6 | 579.1 | 601.1 | 644.9  | 677.9  | 682.9  |
| 150°   | 492.5 | 504.0 | 515.6 | 518.5 | 538.7 | 565.6 | 579.1 | 597.6 | 634.8  | 662.6  | 666.7  |
| 152.5° | 504.7 | 513.5 | 522.2 | 524.4 | 542.6 | 567.0 | 579.1 | 595.0 | 626.6  | 650.4  | 653.5  |
| 155°   | 522.8 | 529.3 | 535.8 | 537.4 | 551.3 | 569.8 | 579.1 | 591.7 | 616.8  | 635.7  | 637.8  |
| 157.5° | 536.1 | 542.4 | 548.7 | 550.4 | 559.9 | 572.7 | 579.1 | 588.9 | 608.4  | 623.1  | 624.6  |
| 160°   | 545.2 | 550.2 | 555.0 | 556.3 | 563.9 | 574.1 | 579.1 | 587.5 | 604.2  | 616.8  | 617.7  |
| 162.5° | 554.3 | 558.0 | 561.6 | 562.6 | 568.1 | 575.5 | 579.1 | 586.2 | 600.4  | 611.0  | 611.8  |
| 165°   | 564.1 | 567.5 | 570.7 | 571.6 | 574.1 | 577.4 | 579.1 | 584.2 | 594.3  | 601.9  | 602.8  |
| 167.5° | 573.2 | 574.7 | 576.3 | 576.7 | 578.8 | 581.6 | 583.0 | 586.4 | 593.1  | 598.0  | 598.4  |
| 170°   | 579.1 | 580.6 | 582.3 | 582.6 | 582.7 | 582.9 | 583.0 | 586.4 | 593.1  | 598.0  | 598.0  |
| 172.5° | 582.3 | 582.6 | 582.9 | 583.0 | 583.0 | 583.0 | 583.0 | 585.7 | 591.0  | 594.9  | 594.6  |
| 175°   | 586.6 | 586.6 | 586.6 | 586.6 | 585.4 | 583.8 | 583.0 | 584.7 | 588.0  | 590.5  | 590.5  |
| 177.5° | 586.6 | 586.6 | 586.6 | 586.6 | 585.6 | 584.4 | 583.8 | 585.1 | 587.7  | 589.7  | 589.3  |
| 180°   | 586.6 | 586.6 | 586.6 | 586.6 | 586.6 | 586.6 | 586.6 | 586.6 | 586.6  | 586.6  | 586.6  |

TEST NUMBER: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 1005.2 | 1005.2 |
| 2.5°   | 1073.1 | 1066.6 |
| 5°     | 1380.2 | 1386.7 |
| 7.5°   | 1858.5 | 1855.4 |
| 10°    | 2311.1 | 2340.2 |
| 12.5°  | 2640.8 | 2647.3 |
| 15°    | 2841.2 | 2854.1 |
| 17.5°  | 2918.8 | 2922.0 |
| 20°    | 2922.0 | 2915.5 |
| 22.5°  | 2886.5 | 2880.0 |
| 25°    | 2844.5 | 2841.2 |
| 27.5°  | 2805.6 | 2808.8 |
| 30°    | 2789.5 | 2799.2 |
| 32.5°  | 2789.5 | 2805.6 |
| 35°    | 2796.0 | 2812.1 |
| 37.5°  | 2792.7 | 2812.1 |
| 40°    | 2779.8 | 2802.4 |
| 42.5°  | 2744.2 | 2760.4 |
| 45°    | 2689.3 | 2708.7 |
| 47.5°  | 2618.1 | 2631.1 |
| 50°    | 2527.7 | 2540.6 |
| 52.5°  | 2414.5 | 2417.8 |
| 55°    | 2278.7 | 2291.7 |
| 57.5°  | 2133.3 | 2136.5 |
| 60°    | 1971.7 | 1981.4 |
| 62.5°  | 1800.4 | 1800.4 |
| 65°    | 1619.4 | 1625.9 |
| 67.5°  | 1431.9 | 1448.1 |
| 70°    | 1241.2 | 1244.5 |
| 72.5°  | 1053.7 | 1053.7 |
| 75°    | 859.8  | 863.0  |
| 77.5°  | 675.6  | 675.6  |
| 80°    | 501.0  | 504.2  |
| 82.5°  | 345.9  | 352.3  |
| 85°    | 216.6  | 216.6  |
| 87.5°  | 100.2  | 90.5   |
| 90°    | 15.0   | 15.0   |
| 92.5°  | 59.9   | 48.0   |
| 95°    | 208.9  | 172.9  |
| 97.5°  | 500.4  | 431.9  |
| 100°   | 721.0  | 639.3  |
| 102.5° | 938.0  | 868.0  |
| 105°   | 1214.7 | 1177.0 |
| 107.5° | 1395.9 | 1405.0 |
| 110°   | 1465.0 | 1504.2 |



TEST NUMBER: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1471.2 | 1531.3 |
| 115°   | 1432.1 | 1515.6 |
| 117.5° | 1349.5 | 1442.0 |
| 120°   | 1282.8 | 1372.7 |
| 122.5° | 1217.9 | 1306.6 |
| 125°   | 1125.3 | 1207.0 |
| 127.5° | 1042.0 | 1111.0 |
| 130°   | 992.9  | 1056.6 |
| 132.5° | 948.4  | 1005.4 |
| 135°   | 887.4  | 936.6  |
| 137.5° | 838.5  | 878.7  |
| 140°   | 804.8  | 842.4  |
| 142.5° | 777.0  | 809.4  |
| 145°   | 735.4  | 759.8  |
| 147.5° | 703.3  | 723.6  |
| 150°   | 683.1  | 699.5  |
| 152.5° | 665.9  | 678.3  |
| 155°   | 646.1  | 654.3  |
| 157.5° | 630.4  | 636.1  |
| 160°   | 621.0  | 624.4  |
| 162.5° | 614.9  | 618.1  |
| 165°   | 606.0  | 609.4  |
| 167.5° | 599.7  | 601.2  |
| 170°   | 598.0  | 598.0  |
| 172.5° | 593.3  | 592.1  |
| 175°   | 590.5  | 590.5  |
| 177.5° | 588.0  | 586.6  |
| 180°   | 586.6  | 586.6  |

TEST NUMBER: P936995

CATALOG NUMBER: SQ4-FB-050U-125D-B2750-1D-UNV-W2A-W-8-4000K

**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 | 7.78             | 8.88  | 8.57  | 9.69  | 10.69 | 20.96          | 22.06 | 21.75 | 22.87 | 23.87 |
|                 | 3H   | 8.50             | 9.49  | 9.30  | 10.32 | 11.35 | 22.82          | 23.81 | 23.62 | 24.63 | 25.66 |
|                 | 4H   | 8.81             | 9.75  | 9.63  | 10.58 | 11.62 | 23.47          | 24.41 | 24.29 | 25.24 | 26.28 |
|                 | 6H   | 9.08             | 9.94  | 9.91  | 10.78 | 11.84 | 23.92          | 24.78 | 24.75 | 25.62 | 26.67 |
|                 | 8H   | 9.15             | 9.98  | 9.99  | 10.84 | 11.89 | 24.04          | 24.87 | 24.88 | 25.73 | 26.78 |
|                 | 12H  | 9.18             | 9.96  | 10.02 | 10.82 | 11.90 | 24.12          | 24.91 | 24.96 | 25.76 | 26.84 |
| 4H              | 2H   | 15.03            | 15.96 | 15.84 | 16.79 | 17.83 | 21.26          | 22.20 | 22.08 | 23.03 | 24.07 |
|                 | 3H   | 16.61            | 17.40 | 17.45 | 18.26 | 19.32 | 23.33          | 24.12 | 24.16 | 24.98 | 26.04 |
|                 | 4H   | 16.72            | 17.44 | 17.57 | 18.30 | 19.38 | 24.11          | 24.82 | 24.95 | 25.69 | 26.77 |
|                 | 6H   | 16.74            | 17.37 | 17.61 | 18.25 | 19.34 | 24.66          | 25.28 | 25.52 | 26.17 | 27.25 |
|                 | 8H   | 16.73            | 17.31 | 17.59 | 18.19 | 19.29 | 24.83          | 25.41 | 25.69 | 26.29 | 27.39 |
|                 | 12H  | 16.70            | 17.22 | 17.58 | 18.12 | 19.23 | 24.93          | 25.46 | 25.82 | 26.36 | 27.47 |
| 8H              | 4H   | 18.18            | 18.77 | 19.05 | 19.65 | 20.75 | 24.19          | 24.77 | 25.05 | 25.65 | 26.75 |
|                 | 6H   | 18.44            | 18.92 | 19.33 | 19.85 | 20.94 | 24.83          | 25.31 | 25.72 | 26.24 | 27.34 |
|                 | 8H   | 18.46            | 18.89 | 19.36 | 19.81 | 20.92 | 25.05          | 25.48 | 25.96 | 26.40 | 27.51 |
|                 | 12H  | 18.44            | 18.82 | 19.35 | 19.73 | 20.90 | 25.21          | 25.59 | 26.12 | 26.50 | 27.66 |
| 12H             | 4H   | 18.34            | 18.87 | 19.23 | 19.77 | 20.87 | 24.15          | 24.68 | 25.04 | 25.58 | 26.69 |
|                 | 6H   | 18.70            | 19.13 | 19.60 | 20.05 | 21.16 | 24.81          | 25.24 | 25.72 | 26.16 | 27.28 |
|                 | 8H   | 18.78            | 19.16 | 19.69 | 20.07 | 21.24 | 25.06          | 25.43 | 25.96 | 26.34 | 27.51 |