

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: P937996

Luminaire Tested: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937996  
REPORT IS A COMBINATION OF REPORTS P933614 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

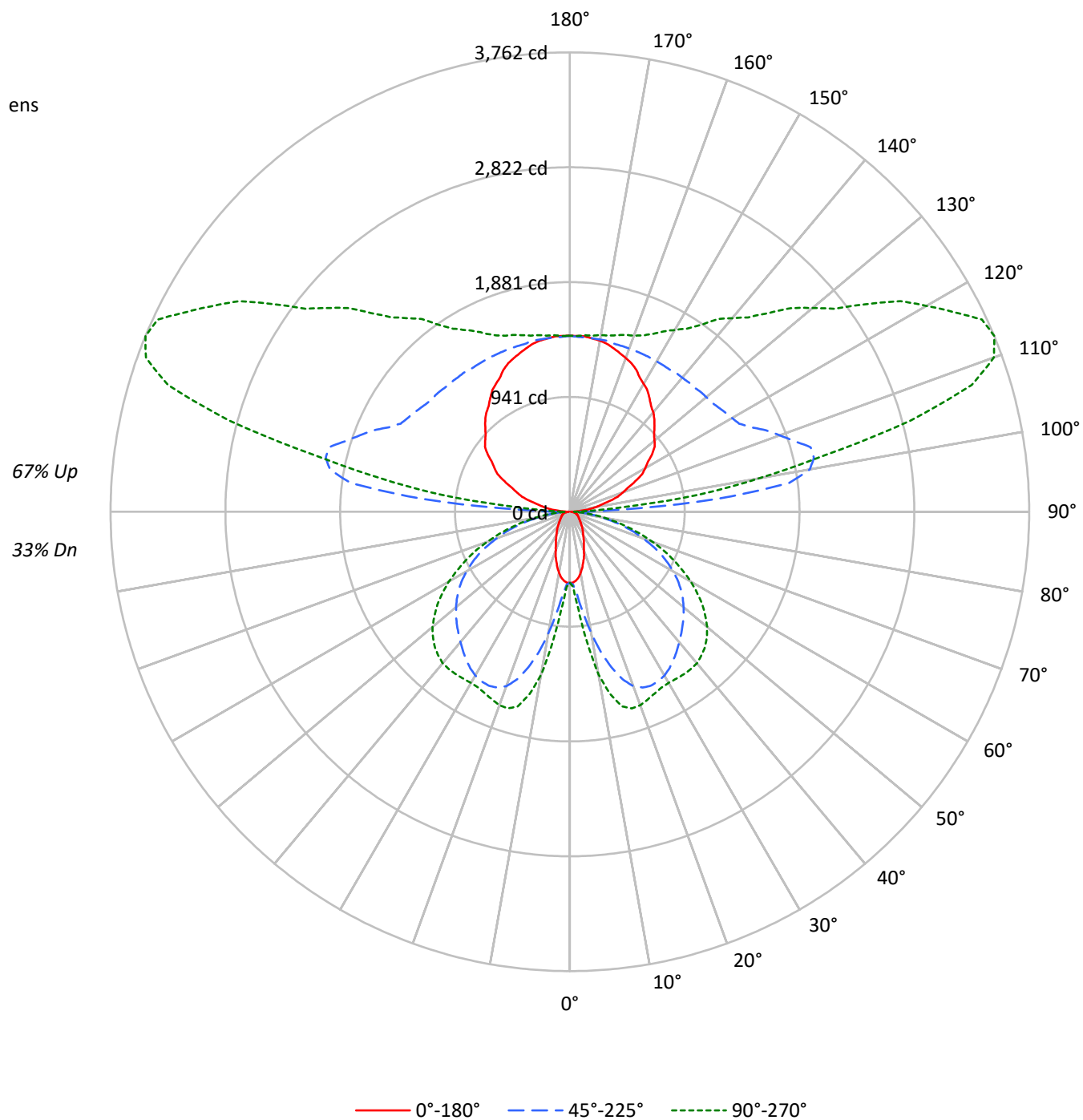
Lumens per Lamp: N/A  
Luminaire Lumens: 13841.9 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 111.2  
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: P937996

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P937996

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K

**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   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 56 | 56 | 56 | 40 | 40 | 40 |
| 1   | 94  | 89  | 85  | 82  | 84 | 80 | 77 | 74 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 |
| 2   | 85  | 77  | 71  | 66  | 76 | 70 | 65 | 60 | 55 | 52 | 49 | 42 | 40 | 38 | 30 | 29 | 27 |
| 3   | 77  | 68  | 60  | 54  | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 31 | 26 | 24 | 23 |
| 4   | 70  | 59  | 52  | 46  | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 29 | 26 | 23 | 21 | 19 |
| 5   | 64  | 53  | 45  | 39  | 57 | 48 | 41 | 35 | 38 | 33 | 29 | 29 | 25 | 23 | 21 | 18 | 16 |
| 6   | 59  | 47  | 39  | 33  | 53 | 42 | 35 | 30 | 34 | 29 | 25 | 26 | 22 | 19 | 19 | 16 | 14 |
| 7   | 54  | 42  | 34  | 29  | 49 | 38 | 31 | 26 | 31 | 25 | 22 | 23 | 20 | 17 | 17 | 14 | 12 |
| 8   | 50  | 38  | 30  | 25  | 45 | 34 | 28 | 23 | 28 | 23 | 19 | 21 | 18 | 15 | 15 | 13 | 11 |
| 9   | 47  | 34  | 27  | 22  | 42 | 31 | 25 | 20 | 25 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 |
| 10  | 43  | 31  | 24  | 19  | 39 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 14 | 12 | 13 | 10 | 9  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2695 | 2695 | 2695 |
| 5°  | 2633 | 3115 | 3623 |
| 10° | 2388 | 4541 | 6007 |
| 15° | 2030 | 5933 | 7253 |
| 20° | 1652 | 6875 | 7392 |
| 25° | 1379 | 7195 | 7242 |
| 30° | 1163 | 7241 | 7228 |
| 35° | 1028 | 7120 | 7415 |
| 40° | 895  | 6964 | 7608 |
| 45° | 811  | 6850 | 7638 |
| 50° | 744  | 6747 | 7511 |
| 55° | 713  | 6596 | 7179 |
| 60° | 729  | 6306 | 6653 |
| 65° | 759  | 5866 | 5930 |
| 70° | 808  | 5116 | 5010 |
| 75° | 896  | 4171 | 3910 |
| 80° | 978  | 2893 | 2634 |
| 85° | 871  | 1535 | 1349 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7638 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 75.1    | 0.5       |
| 10°-20°   | 333.1   | 2.4       |
| 20°-30°   | 582.6   | 4.2       |
| 30°-40°   | 750.0   | 5.4       |
| 40°-50°   | 837.7   | 6.1       |
| 50°-60°   | 802.3   | 5.8       |
| 60°-70°   | 635.8   | 4.6       |
| 70°-80°   | 373.9   | 2.7       |
| 80°-90°   | 109.4   | 0.8       |
| 90°-100°  | 702.5   | 5.1       |
| 100°-110° | 1846.8  | 13.3      |
| 110°-120° | 1914.9  | 13.8      |
| 120°-130° | 1536.0  | 11.1      |
| 130°-140° | 1205.2  | 8.7       |
| 140°-150° | 925.0   | 6.7       |
| 150°-160° | 666.2   | 4.8       |
| 160°-170° | 407.6   | 2.9       |
| 170°-180° | 137.7   | 1.0       |
| 0°-30°    | 990.8   | 7.2       |
| 0°-40°    | 1740.8  | 12.6      |
| 0°-60°    | 3380.8  | 24.4      |
| 0°-90°    | 4499.9  | 32.5      |
| 90°-120°  | 4464.2  | 32.3      |
| 90°-150°  | 8130.5  | 58.7      |
| 90°-180°  | 9342.0  | 67.5      |
| 0°-180°   | 13841.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 581  | 581   | 581  | 581   | 581  |      |
| 5°   | 566  | 607   | 684  | 773   | 801  | 52   |
| 15°  | 424  | 783   | 1319 | 1599  | 1650 | 118  |
| 25°  | 271  | 887   | 1571 | 1640  | 1642 | 125  |
| 35°  | 183  | 848   | 1480 | 1564  | 1625 | 114  |
| 45°  | 125  | 676   | 1308 | 1498  | 1566 | 97   |
| 55°  | 90   | 430   | 1110 | 1289  | 1324 | 82   |
| 65°  | 71   | 228   | 824  | 926   | 940  | 70   |
| 75°  | 52   | 140   | 452  | 497   | 499  | 55   |
| 85°  | 19   | 43    | 112  | 123   | 125  | 20   |
| 90°  | 10   | 27    | 74   | 37    | 37   | 9    |
| 95°  | 93   | 364   | 1210 | 624   | 425  | 103  |
| 105° | 333  | 504   | 2042 | 3100  | 2892 | 353  |
| 115° | 591  | 718   | 1636 | 3262  | 3724 | 584  |
| 125° | 822  | 922   | 1488 | 2514  | 2965 | 730  |
| 135° | 980  | 1078  | 1441 | 2029  | 2301 | 758  |
| 145° | 1136 | 1209  | 1423 | 1731  | 1867 | 712  |
| 155° | 1284 | 1320  | 1423 | 1562  | 1607 | 590  |
| 165° | 1386 | 1404  | 1423 | 1479  | 1497 | 391  |
| 175° | 1441 | 1441  | 1432 | 1451  | 1451 | 137  |
| 180° | 1441 | 1441  | 1441 | 1441  | 1441 |      |

TEST NUMBER: P937996

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 580.9 | 580.9 | 580.9 | 580.9 | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  |
| 2.5°   | 580.9 | 580.9 | 584.7 | 586.6 | 590.3  | 592.2  | 595.9  | 599.6  | 610.8  | 612.7  | 616.4  |
| 5°     | 566.0 | 573.5 | 597.8 | 607.1 | 633.3  | 668.7  | 683.7  | 708.0  | 758.4  | 773.4  | 782.7  |
| 7.5°   | 543.6 | 560.4 | 620.2 | 635.1 | 700.5  | 793.9  | 833.1  | 885.4  | 965.8  | 1005.0 | 1036.7 |
| 10°    | 508.1 | 543.6 | 650.1 | 685.6 | 792.0  | 934.0  | 1006.9 | 1079.8 | 1201.2 | 1255.4 | 1275.9 |
| 12.5°  | 468.9 | 526.8 | 681.8 | 730.4 | 883.6  | 1091.0 | 1178.8 | 1259.1 | 1397.4 | 1470.2 | 1481.4 |
| 15°    | 424.0 | 502.5 | 711.7 | 782.7 | 980.7  | 1221.8 | 1318.9 | 1417.9 | 1546.8 | 1599.1 | 1612.2 |
| 17.5°  | 384.8 | 483.8 | 739.7 | 814.4 | 1055.4 | 1339.4 | 1438.5 | 1520.6 | 1625.3 | 1660.7 | 1670.1 |
| 20°    | 336.2 | 453.9 | 758.4 | 855.5 | 1134.0 | 1425.4 | 1520.6 | 1584.2 | 1655.1 | 1677.6 | 1681.3 |
| 22.5°  | 300.7 | 422.2 | 769.6 | 870.5 | 1186.3 | 1477.7 | 1558.0 | 1608.4 | 1657.0 | 1664.5 | 1666.3 |
| 25°    | 270.9 | 386.7 | 767.7 | 887.3 | 1231.1 | 1509.4 | 1571.1 | 1608.4 | 1636.5 | 1640.2 | 1640.2 |
| 27.5°  | 242.8 | 347.4 | 760.3 | 891.0 | 1264.7 | 1516.9 | 1565.5 | 1591.6 | 1604.7 | 1612.2 | 1612.2 |
| 30°    | 218.6 | 310.1 | 741.6 | 883.6 | 1279.7 | 1509.4 | 1548.7 | 1561.7 | 1574.8 | 1586.0 | 1591.6 |
| 32.5°  | 199.9 | 274.6 | 713.6 | 868.6 | 1281.5 | 1490.8 | 1518.8 | 1526.2 | 1544.9 | 1571.1 | 1580.4 |
| 35°    | 183.1 | 239.1 | 681.8 | 848.1 | 1270.3 | 1460.9 | 1479.5 | 1487.0 | 1524.4 | 1563.6 | 1576.7 |
| 37.5°  | 166.3 | 213.0 | 640.7 | 812.6 | 1253.5 | 1425.4 | 1438.5 | 1451.5 | 1509.4 | 1556.1 | 1571.1 |
| 40°    | 149.4 | 190.5 | 592.2 | 773.4 | 1227.4 | 1382.4 | 1393.6 | 1414.2 | 1490.8 | 1544.9 | 1559.9 |
| 42.5°  | 136.4 | 171.9 | 539.9 | 732.3 | 1193.7 | 1333.8 | 1350.7 | 1380.5 | 1468.3 | 1526.2 | 1543.1 |
| 45°    | 125.2 | 153.2 | 483.8 | 676.2 | 1150.8 | 1283.4 | 1307.7 | 1348.8 | 1442.2 | 1498.2 | 1513.2 |
| 47.5°  | 113.9 | 140.1 | 425.9 | 618.3 | 1104.1 | 1233.0 | 1264.7 | 1311.4 | 1406.7 | 1460.9 | 1473.9 |
| 50°    | 104.6 | 127.0 | 368.0 | 556.7 | 1053.6 | 1178.8 | 1216.2 | 1264.7 | 1361.9 | 1412.3 | 1429.1 |
| 52.5°  | 97.1  | 115.8 | 313.8 | 495.0 | 995.6  | 1122.8 | 1165.7 | 1216.2 | 1307.7 | 1356.3 | 1367.5 |
| 55°    | 89.7  | 106.5 | 267.1 | 429.6 | 935.9  | 1063.0 | 1109.7 | 1158.3 | 1247.9 | 1289.0 | 1296.5 |
| 57.5°  | 85.9  | 99.0  | 227.9 | 368.0 | 872.4  | 995.6  | 1047.9 | 1092.9 | 1176.9 | 1208.7 | 1216.2 |
| 60°    | 80.3  | 93.4  | 198.0 | 315.7 | 803.2  | 932.1  | 977.0  | 1021.8 | 1092.9 | 1119.0 | 1124.6 |
| 62.5°  | 74.7  | 89.7  | 175.6 | 265.3 | 732.3  | 857.4  | 902.2  | 943.3  | 1003.1 | 1021.8 | 1029.3 |
| 65°    | 71.0  | 85.9  | 158.8 | 227.9 | 659.4  | 779.0  | 823.8  | 859.3  | 907.8  | 926.5  | 930.3  |
| 67.5°  | 67.2  | 82.2  | 145.7 | 196.1 | 586.6  | 700.5  | 734.1  | 767.7  | 805.1  | 823.8  | 825.7  |
| 70°    | 61.6  | 78.5  | 134.5 | 173.7 | 511.8  | 610.8  | 638.9  | 674.3  | 704.2  | 713.6  | 719.2  |
| 72.5°  | 57.9  | 72.9  | 127.0 | 156.9 | 435.2  | 524.9  | 551.1  | 571.6  | 597.8  | 607.1  | 607.1  |
| 75°    | 52.3  | 65.4  | 119.6 | 140.1 | 356.8  | 429.6  | 452.1  | 472.6  | 493.2  | 496.9  | 491.3  |
| 77.5°  | 46.7  | 57.9  | 102.7 | 117.7 | 278.3  | 340.0  | 358.7  | 369.9  | 386.7  | 390.4  | 392.3  |
| 80°    | 39.2  | 50.4  | 80.3  | 91.5  | 201.7  | 250.3  | 263.4  | 272.7  | 287.7  | 287.7  | 291.4  |
| 82.5°  | 29.9  | 39.2  | 57.9  | 65.4  | 136.4  | 171.9  | 183.1  | 188.7  | 198.0  | 198.0  | 198.0  |
| 85°    | 18.7  | 24.3  | 37.4  | 43.0  | 82.2   | 104.6  | 112.1  | 113.9  | 121.4  | 123.3  | 123.3  |
| 87.5°  | 9.3   | 13.1  | 24.3  | 26.2  | 43.0   | 54.2   | 54.2   | 57.9   | 57.9   | 56.0   | 54.2   |
| 90°    | 9.7   | 17.5  | 25.1  | 27.1  | 42.6   | 63.2   | 73.5   | 65.3   | 48.9   | 36.7   | 36.7   |
| 92.5°  | 38.7  | 104.4 | 170.3 | 186.7 | 262.5  | 363.4  | 413.9  | 362.8  | 260.5  | 183.7  | 176.4  |
| 95°    | 92.8  | 213.2 | 333.6 | 363.7 | 645.8  | 1021.9 | 1209.9 | 1079.7 | 819.2  | 623.8  | 601.7  |
| 97.5°  | 160.6 | 266.8 | 372.9 | 399.5 | 869.8  | 1497.0 | 1810.6 | 1728.3 | 1563.6 | 1440.1 | 1398.0 |
| 100°   | 212.8 | 309.1 | 405.4 | 429.5 | 951.4  | 1647.3 | 1995.3 | 2001.3 | 2013.3 | 2022.4 | 1972.2 |
| 102.5° | 257.2 | 347.1 | 436.9 | 459.4 | 988.8  | 1694.6 | 2047.5 | 2152.4 | 2362.2 | 2519.5 | 2476.5 |
| 105°   | 332.7 | 408.8 | 484.8 | 503.9 | 1016.5 | 1700.0 | 2041.7 | 2276.8 | 2747.1 | 3099.8 | 3076.7 |
| 107.5° | 410.1 | 481.0 | 551.9 | 569.6 | 1021.6 | 1624.3 | 1925.6 | 2253.6 | 2909.6 | 3401.5 | 3407.1 |
| 110°   | 462.3 | 526.4 | 590.5 | 606.4 | 1014.0 | 1557.3 | 1829.0 | 2195.6 | 2928.9 | 3478.9 | 3503.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 513.6  | 574.6  | 635.7  | 650.9  | 1014.2 | 1498.7 | 1740.9 | 2116.2 | 2866.6 | 3429.6 | 3466.5 |
| 115°   | 590.9  | 647.3  | 703.5  | 717.6  | 1023.6 | 1431.5 | 1635.5 | 1997.0 | 2720.0 | 3262.3 | 3313.6 |
| 117.5° | 667.3  | 718.5  | 769.6  | 782.4  | 1042.6 | 1389.5 | 1563.0 | 1889.2 | 2541.7 | 3031.1 | 3088.0 |
| 120°   | 711.8  | 760.0  | 808.1  | 820.1  | 1058.0 | 1375.3 | 1533.9 | 1832.0 | 2428.2 | 2875.4 | 2930.6 |
| 122.5° | 755.3  | 803.9  | 852.5  | 864.6  | 1080.3 | 1367.8 | 1511.7 | 1780.1 | 2317.1 | 2719.7 | 2774.2 |
| 125°   | 822.1  | 866.4  | 910.6  | 921.7  | 1110.2 | 1361.8 | 1487.5 | 1715.6 | 2171.6 | 2513.7 | 2563.8 |
| 127.5° | 876.3  | 921.0  | 965.7  | 976.9  | 1140.3 | 1358.2 | 1467.2 | 1663.0 | 2054.6 | 2348.3 | 2390.6 |
| 130°   | 905.2  | 953.4  | 1001.5 | 1013.6 | 1162.2 | 1360.4 | 1459.5 | 1633.8 | 1982.4 | 2243.8 | 2283.0 |
| 132.5° | 935.2  | 983.4  | 1031.5 | 1043.6 | 1179.9 | 1361.8 | 1452.7 | 1608.7 | 1920.8 | 2154.8 | 2189.9 |
| 135°   | 979.8  | 1023.6 | 1067.5 | 1078.4 | 1199.3 | 1360.5 | 1441.1 | 1571.7 | 1833.1 | 2029.1 | 2059.3 |
| 137.5° | 1025.2 | 1068.6 | 1112.0 | 1122.9 | 1228.3 | 1368.9 | 1439.1 | 1549.6 | 1770.6 | 1936.3 | 1961.0 |
| 140°   | 1062.9 | 1102.9 | 1142.8 | 1152.8 | 1246.0 | 1370.3 | 1432.4 | 1527.8 | 1718.7 | 1861.8 | 1884.9 |
| 142.5° | 1091.9 | 1128.9 | 1165.8 | 1175.1 | 1260.8 | 1375.2 | 1432.4 | 1516.2 | 1683.8 | 1809.5 | 1829.4 |
| 145°   | 1136.4 | 1168.6 | 1200.9 | 1209.0 | 1280.2 | 1375.2 | 1422.7 | 1491.2 | 1628.4 | 1731.3 | 1746.3 |
| 147.5° | 1180.9 | 1212.3 | 1243.7 | 1251.6 | 1308.6 | 1384.7 | 1422.7 | 1476.7 | 1584.5 | 1665.5 | 1677.9 |
| 150°   | 1209.9 | 1238.3 | 1266.7 | 1273.8 | 1323.4 | 1389.6 | 1422.7 | 1468.2 | 1559.4 | 1627.8 | 1637.9 |
| 152.5° | 1239.9 | 1261.4 | 1282.8 | 1288.3 | 1333.1 | 1392.8 | 1422.7 | 1461.6 | 1539.4 | 1597.8 | 1605.5 |
| 155°   | 1284.4 | 1300.3 | 1316.2 | 1320.2 | 1354.4 | 1399.9 | 1422.7 | 1453.7 | 1515.6 | 1562.0 | 1567.1 |
| 157.5° | 1317.3 | 1332.7 | 1348.2 | 1352.1 | 1375.6 | 1407.0 | 1422.7 | 1446.8 | 1494.9 | 1531.0 | 1534.6 |
| 160°   | 1339.5 | 1351.6 | 1363.6 | 1366.6 | 1385.3 | 1410.2 | 1422.7 | 1443.3 | 1484.6 | 1515.5 | 1517.6 |
| 162.5° | 1361.8 | 1370.7 | 1379.8 | 1382.0 | 1395.6 | 1413.6 | 1422.7 | 1440.0 | 1474.9 | 1501.0 | 1503.0 |
| 165°   | 1386.0 | 1394.2 | 1402.3 | 1404.4 | 1410.4 | 1418.6 | 1422.7 | 1435.2 | 1460.1 | 1478.8 | 1480.9 |
| 167.5° | 1408.2 | 1412.0 | 1415.9 | 1416.9 | 1422.0 | 1428.9 | 1432.4 | 1440.5 | 1456.9 | 1469.1 | 1469.9 |
| 170°   | 1422.7 | 1426.6 | 1430.5 | 1431.4 | 1431.7 | 1432.2 | 1432.4 | 1440.5 | 1456.9 | 1469.1 | 1469.1 |
| 172.5° | 1430.4 | 1431.3 | 1432.2 | 1432.4 | 1432.4 | 1432.4 | 1432.4 | 1438.8 | 1451.7 | 1461.4 | 1460.7 |
| 175°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1438.2 | 1434.3 | 1432.4 | 1436.5 | 1444.6 | 1450.8 | 1450.8 |
| 177.5° | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1438.8 | 1435.8 | 1434.3 | 1437.5 | 1444.0 | 1448.8 | 1448.0 |
| 180°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |

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CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 580.9  | 580.9  |
| 2.5°   | 620.2  | 616.4  |
| 5°     | 797.6  | 801.4  |
| 7.5°   | 1074.2 | 1072.3 |
| 10°    | 1335.7 | 1352.5 |
| 12.5°  | 1526.2 | 1530.0 |
| 15°    | 1642.1 | 1649.5 |
| 17.5°  | 1686.9 | 1688.8 |
| 20°    | 1688.8 | 1685.0 |
| 22.5°  | 1668.2 | 1664.5 |
| 25°    | 1643.9 | 1642.1 |
| 27.5°  | 1621.5 | 1623.4 |
| 30°    | 1612.2 | 1617.8 |
| 32.5°  | 1612.2 | 1621.5 |
| 35°    | 1615.9 | 1625.3 |
| 37.5°  | 1614.0 | 1625.3 |
| 40°    | 1606.6 | 1619.6 |
| 42.5°  | 1586.0 | 1595.4 |
| 45°    | 1554.3 | 1565.5 |
| 47.5°  | 1513.2 | 1520.6 |
| 50°    | 1460.9 | 1468.3 |
| 52.5°  | 1395.5 | 1397.4 |
| 55°    | 1317.0 | 1324.5 |
| 57.5°  | 1233.0 | 1234.8 |
| 60°    | 1139.6 | 1145.2 |
| 62.5°  | 1040.5 | 1040.5 |
| 65°    | 935.9  | 939.6  |
| 67.5°  | 827.5  | 836.9  |
| 70°    | 717.3  | 719.2  |
| 72.5°  | 609.0  | 609.0  |
| 75°    | 496.9  | 498.8  |
| 77.5°  | 390.4  | 390.4  |
| 80°    | 289.5  | 291.4  |
| 82.5°  | 199.9  | 203.6  |
| 85°    | 125.2  | 125.2  |
| 87.5°  | 57.9   | 52.3   |
| 90°    | 36.7   | 36.7   |
| 92.5°  | 147.2  | 118.0  |
| 95°    | 513.1  | 424.6  |
| 97.5°  | 1229.5 | 1061.0 |
| 100°   | 1771.4 | 1570.7 |
| 102.5° | 2304.6 | 2132.6 |
| 105°   | 2984.2 | 2891.9 |
| 107.5° | 3429.5 | 3451.8 |
| 110°   | 3599.3 | 3695.6 |



TEST NUMBER: P937996

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3614.4 | 3762.2 |
| 115°   | 3518.6 | 3723.6 |
| 117.5° | 3315.3 | 3542.8 |
| 120°   | 3151.6 | 3372.5 |
| 122.5° | 2992.2 | 3210.1 |
| 125°   | 2764.6 | 2965.4 |
| 127.5° | 2560.0 | 2729.3 |
| 130°   | 2439.4 | 2595.9 |
| 132.5° | 2330.0 | 2470.1 |
| 135°   | 2180.1 | 2300.9 |
| 137.5° | 2059.8 | 2158.8 |
| 140°   | 1977.4 | 2069.7 |
| 142.5° | 1908.9 | 1988.5 |
| 145°   | 1806.4 | 1866.6 |
| 147.5° | 1727.8 | 1777.7 |
| 150°   | 1678.3 | 1718.7 |
| 152.5° | 1635.9 | 1666.4 |
| 155°   | 1587.2 | 1607.4 |
| 157.5° | 1548.8 | 1563.0 |
| 160°   | 1525.7 | 1533.9 |
| 162.5° | 1510.7 | 1518.5 |
| 165°   | 1489.0 | 1497.2 |
| 167.5° | 1473.4 | 1476.8 |
| 170°   | 1469.1 | 1469.1 |
| 172.5° | 1457.6 | 1454.6 |
| 175°   | 1450.8 | 1450.8 |
| 177.5° | 1444.5 | 1441.1 |
| 180°   | 1441.1 | 1441.1 |

TEST NUMBER: P937996

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-W2A-W-8-5000K

**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 | 2.59             | 3.33  | 3.68  | 4.42  | 5.92  | 15.77          | 16.51 | 16.86 | 17.60 | 19.10 |
|                 | 3H   | 3.28             | 3.95  | 4.38  | 5.05  | 6.57  | 17.60          | 18.27 | 18.69 | 19.37 | 20.88 |
|                 | 4H   | 3.58             | 4.21  | 4.69  | 5.31  | 6.84  | 18.24          | 18.87 | 19.34 | 19.97 | 21.49 |
|                 | 6H   | 3.82             | 4.41  | 4.94  | 5.51  | 7.04  | 18.66          | 19.25 | 19.78 | 20.35 | 21.88 |
|                 | 8H   | 3.89             | 4.44  | 5.01  | 5.56  | 7.09  | 18.78          | 19.34 | 19.90 | 20.46 | 21.98 |
|                 | 12H  | 3.90             | 4.43  | 5.02  | 5.54  | 7.09  | 18.84          | 19.37 | 19.97 | 20.49 | 22.04 |
| 4H              | 2H   | 9.79             | 10.42 | 10.90 | 11.52 | 13.05 | 16.03          | 16.66 | 17.14 | 17.76 | 19.28 |
|                 | 3H   | 11.35            | 11.88 | 12.47 | 13.00 | 14.54 | 18.06          | 18.59 | 19.18 | 19.72 | 21.25 |
|                 | 4H   | 11.43            | 11.92 | 12.56 | 13.04 | 14.59 | 18.82          | 19.31 | 19.95 | 20.43 | 21.98 |
|                 | 6H   | 11.44            | 11.86 | 12.57 | 13.00 | 14.54 | 19.36          | 19.78 | 20.49 | 20.91 | 22.46 |
|                 | 8H   | 11.41            | 11.80 | 12.54 | 12.94 | 14.50 | 19.51          | 19.91 | 20.65 | 21.04 | 22.60 |
|                 | 12H  | 11.36            | 11.72 | 12.51 | 12.86 | 14.43 | 19.60          | 19.96 | 20.75 | 21.10 | 22.67 |
| 8H              | 4H   | 12.87            | 13.26 | 14.00 | 14.39 | 15.96 | 18.87          | 19.27 | 20.01 | 20.40 | 21.96 |
|                 | 6H   | 13.11            | 13.43 | 14.26 | 14.60 | 16.16 | 19.50          | 19.82 | 20.65 | 20.99 | 22.55 |
|                 | 8H   | 13.12            | 13.41 | 14.28 | 14.56 | 16.14 | 19.72          | 20.00 | 20.87 | 21.15 | 22.73 |
|                 | 12H  | 13.09            | 13.33 | 14.25 | 14.48 | 16.10 | 19.85          | 20.10 | 21.02 | 21.25 | 22.87 |
| 12H             | 4H   | 13.01            | 13.36 | 14.16 | 14.51 | 16.07 | 18.82          | 19.18 | 19.97 | 20.32 | 21.89 |
|                 | 6H   | 13.36            | 13.65 | 14.52 | 14.80 | 16.38 | 19.48          | 19.76 | 20.64 | 20.92 | 22.49 |
|                 | 8H   | 13.43            | 13.68 | 14.59 | 14.83 | 16.44 | 19.70          | 19.95 | 20.87 | 21.10 | 22.72 |