

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: P938040

Luminaire Tested: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

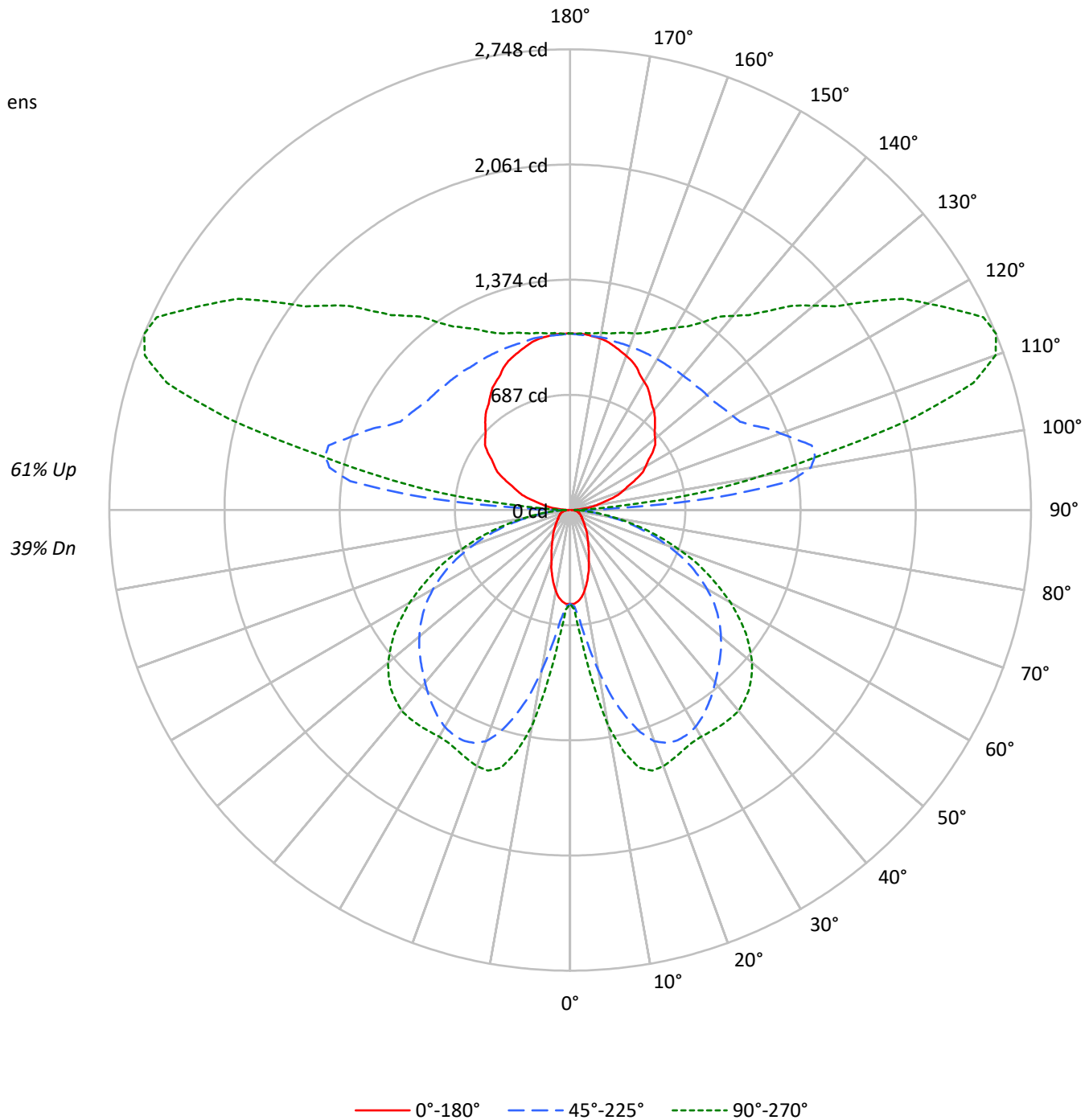
Test Method: LM-79-2019  
Report Number: P938040  
REPORT IS A COMBINATION OF REPORTS P933607 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11164.9 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 96.6  
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: P938040  
CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P938040

CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

**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 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |    |    |
| 1   | 95  | 90  | 86  | 83  | 86 | 82 | 79 | 76 | 67 | 65 | 62 | 53 | 51 | 50 | 40 | 39 | 38 | 32 |    |    |
| 2   | 86  | 78  | 72  | 67  | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 31 | 26 |    |    |
| 3   | 78  | 68  | 61  | 55  | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 40 | 37 | 34 | 30 | 28 | 26 | 21 |    |    |
| 4   | 71  | 60  | 52  | 46  | 64 | 55 | 48 | 42 | 45 | 40 | 35 | 35 | 32 | 29 | 27 | 24 | 22 | 18 |    |    |
| 5   | 65  | 53  | 45  | 39  | 59 | 49 | 41 | 36 | 40 | 34 | 30 | 31 | 27 | 24 | 24 | 21 | 19 | 15 |    |    |
| 6   | 60  | 47  | 39  | 33  | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |    |    |
| 7   | 55  | 43  | 35  | 29  | 50 | 39 | 32 | 27 | 32 | 26 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |    |    |
| 8   | 51  | 38  | 31  | 25  | 46 | 35 | 28 | 23 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |    |    |
| 9   | 47  | 35  | 27  | 22  | 43 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9  |    |    |
| 10  | 44  | 32  | 25  | 20  | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 19 | 15 | 13 | 15 | 12 | 10 | 8  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3468 | 3468 | 3468 |
| 5°  | 3387 | 4008 | 4662 |
| 10° | 3071 | 5841 | 7728 |
| 15° | 2609 | 7629 | 9332 |
| 20° | 2123 | 8838 | 9511 |
| 25° | 1770 | 9246 | 9318 |
| 30° | 1492 | 9302 | 9300 |
| 35° | 1319 | 9146 | 9541 |
| 40° | 1148 | 8942 | 9789 |
| 45° | 1039 | 8792 | 9827 |
| 50° | 953  | 8657 | 9665 |
| 55° | 911  | 8460 | 9236 |
| 60° | 932  | 8085 | 8559 |
| 65° | 968  | 7517 | 7630 |
| 70° | 1029 | 6551 | 6447 |
| 75° | 1136 | 5337 | 5030 |
| 80° | 1230 | 3697 | 3391 |
| 85° | 1073 | 1958 | 1735 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 9827 cd/sqm



TEST NUMBER: P938040

CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 72.5    | 0.6       |
| 10°-20°   | 321.4   | 2.9       |
| 20°-30°   | 562.2   | 5.0       |
| 30°-40°   | 723.7   | 6.5       |
| 40°-50°   | 808.4   | 7.2       |
| 50°-60°   | 774.2   | 6.9       |
| 60°-70°   | 613.6   | 5.5       |
| 70°-80°   | 360.8   | 3.2       |
| 80°-90°   | 104.3   | 0.9       |
| 90°-100°  | 513.1   | 4.6       |
| 100°-110° | 1349.0  | 12.1      |
| 110°-120° | 1398.7  | 12.5      |
| 120°-130° | 1122.0  | 10.0      |
| 130°-140° | 880.3   | 7.9       |
| 140°-150° | 675.7   | 6.1       |
| 150°-160° | 486.6   | 4.4       |
| 160°-170° | 297.7   | 2.7       |
| 170°-180° | 100.6   | 0.9       |
| 0°-30°    | 956.2   | 8.6       |
| 0°-40°    | 1679.9  | 15.0      |
| 0°-60°    | 3262.5  | 29.2      |
| 0°-90°    | 4341.2  | 38.9      |
| 90°-120°  | 3260.8  | 29.2      |
| 90°-150°  | 5938.8  | 53.2      |
| 90°-180°  | 6824.0  | 61.1      |
| 0°-180°   | 11164.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 561  | 561   | 561  | 561   | 561  |      |
| 5°   | 546  | 586   | 660  | 746   | 773  | 50   |
| 15°  | 409  | 755   | 1273 | 1543  | 1592 | 114  |
| 25°  | 261  | 856   | 1516 | 1583  | 1585 | 120  |
| 35°  | 177  | 818   | 1428 | 1509  | 1568 | 110  |
| 45°  | 121  | 653   | 1262 | 1446  | 1511 | 93   |
| 55°  | 86   | 415   | 1071 | 1244  | 1278 | 79   |
| 65°  | 68   | 220   | 795  | 894   | 907  | 68   |
| 75°  | 50   | 135   | 436  | 480   | 481  | 53   |
| 85°  | 18   | 42    | 108  | 119   | 121  | 19   |
| 90°  | 7    | 20    | 54   | 27    | 27   | 7    |
| 95°  | 68   | 266   | 884  | 456   | 310  | 75   |
| 105° | 243  | 368   | 1491 | 2264  | 2112 | 258  |
| 115° | 432  | 524   | 1195 | 2383  | 2720 | 426  |
| 125° | 600  | 673   | 1087 | 1836  | 2166 | 533  |
| 135° | 716  | 788   | 1053 | 1482  | 1681 | 554  |
| 145° | 830  | 883   | 1039 | 1265  | 1364 | 520  |
| 155° | 938  | 964   | 1039 | 1141  | 1174 | 431  |
| 165° | 1012 | 1026  | 1039 | 1080  | 1094 | 286  |
| 175° | 1053 | 1053  | 1046 | 1060  | 1060 | 100  |
| 180° | 1053 | 1053  | 1053 | 1053  | 1053 |      |



TEST NUMBER: P938040

CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-400K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 560.6 | 560.6 | 560.6 | 560.6 | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  |
| 2.5°   | 560.6 | 560.6 | 564.2 | 566.1 | 569.6  | 571.4  | 575.1  | 578.7  | 589.4  | 591.3  | 594.9  |
| 5°     | 546.2 | 553.4 | 576.9 | 585.9 | 611.1  | 645.4  | 659.8  | 683.2  | 731.9  | 746.4  | 755.4  |
| 7.5°   | 524.6 | 540.8 | 598.5 | 612.9 | 676.0  | 766.2  | 804.0  | 854.5  | 932.0  | 969.9  | 1000.5 |
| 10°    | 490.3 | 524.6 | 627.4 | 661.6 | 764.4  | 901.4  | 971.7  | 1042.0 | 1159.2 | 1211.5 | 1231.3 |
| 12.5°  | 452.5 | 508.4 | 658.0 | 704.9 | 852.7  | 1052.8 | 1137.5 | 1215.0 | 1348.4 | 1418.8 | 1429.6 |
| 15°    | 409.2 | 484.9 | 686.9 | 755.4 | 946.4  | 1179.0 | 1272.8 | 1368.3 | 1492.6 | 1543.1 | 1555.8 |
| 17.5°  | 371.4 | 466.9 | 713.9 | 786.0 | 1018.5 | 1292.6 | 1388.1 | 1467.4 | 1568.4 | 1602.6 | 1611.6 |
| 20°    | 324.5 | 438.1 | 731.9 | 825.7 | 1094.3 | 1375.5 | 1467.4 | 1528.7 | 1597.2 | 1618.9 | 1622.4 |
| 22.5°  | 290.3 | 407.4 | 742.7 | 840.0 | 1144.7 | 1425.9 | 1503.4 | 1552.1 | 1599.1 | 1606.2 | 1608.1 |
| 25°    | 261.4 | 373.1 | 740.9 | 856.3 | 1188.0 | 1456.6 | 1516.1 | 1552.1 | 1579.2 | 1582.8 | 1582.8 |
| 27.5°  | 234.3 | 335.3 | 733.7 | 859.9 | 1220.5 | 1463.8 | 1510.6 | 1535.9 | 1548.6 | 1555.8 | 1555.8 |
| 30°    | 210.9 | 299.3 | 715.7 | 852.7 | 1234.8 | 1456.6 | 1494.4 | 1507.1 | 1519.7 | 1530.5 | 1535.9 |
| 32.5°  | 192.9 | 265.0 | 688.6 | 838.2 | 1236.7 | 1438.6 | 1465.6 | 1472.8 | 1490.8 | 1516.1 | 1525.1 |
| 35°    | 176.7 | 230.8 | 658.0 | 818.4 | 1225.8 | 1409.8 | 1427.8 | 1435.0 | 1471.0 | 1508.9 | 1521.5 |
| 37.5°  | 160.5 | 205.5 | 618.4 | 784.2 | 1209.6 | 1375.5 | 1388.1 | 1400.8 | 1456.6 | 1501.6 | 1516.1 |
| 40°    | 144.2 | 183.8 | 571.4 | 746.4 | 1184.3 | 1334.0 | 1344.8 | 1364.6 | 1438.6 | 1490.8 | 1505.3 |
| 42.5°  | 131.6 | 165.8 | 520.9 | 706.7 | 1152.0 | 1287.1 | 1303.3 | 1332.2 | 1416.9 | 1472.8 | 1489.1 |
| 45°    | 120.8 | 147.8 | 466.9 | 652.6 | 1110.5 | 1238.5 | 1261.9 | 1301.6 | 1391.7 | 1445.8 | 1460.2 |
| 47.5°  | 110.0 | 135.2 | 411.1 | 596.7 | 1065.4 | 1189.8 | 1220.5 | 1265.5 | 1357.5 | 1409.8 | 1422.3 |
| 50°    | 101.0 | 122.6 | 355.1 | 537.2 | 1016.7 | 1137.5 | 1173.6 | 1220.5 | 1314.2 | 1362.8 | 1379.1 |
| 52.5°  | 93.8  | 111.8 | 302.8 | 477.7 | 960.8  | 1083.5 | 1124.9 | 1173.6 | 1261.9 | 1308.8 | 1319.6 |
| 55°    | 86.5  | 102.8 | 257.8 | 414.6 | 903.2  | 1025.7 | 1070.8 | 1117.7 | 1204.2 | 1243.8 | 1251.1 |
| 57.5°  | 83.0  | 95.5  | 220.0 | 355.1 | 841.9  | 960.8  | 1011.3 | 1054.6 | 1135.7 | 1166.3 | 1173.6 |
| 60°    | 77.5  | 90.1  | 191.1 | 304.6 | 775.2  | 899.5  | 942.8  | 986.0  | 1054.6 | 1079.8 | 1085.2 |
| 62.5°  | 72.1  | 86.5  | 169.5 | 256.0 | 706.7  | 827.4  | 870.7  | 910.4  | 968.0  | 986.0  | 993.3  |
| 65°    | 68.5  | 83.0  | 153.3 | 220.0 | 636.4  | 751.7  | 795.0  | 829.2  | 876.2  | 894.2  | 897.7  |
| 67.5°  | 64.9  | 79.3  | 140.6 | 189.3 | 566.1  | 676.0  | 708.4  | 740.9  | 777.0  | 795.0  | 796.8  |
| 70°    | 59.5  | 75.7  | 129.8 | 167.6 | 493.9  | 589.4  | 616.6  | 650.8  | 679.6  | 688.6  | 694.1  |
| 72.5°  | 55.9  | 70.3  | 122.6 | 151.5 | 420.1  | 506.6  | 531.8  | 551.6  | 576.9  | 585.9  | 585.9  |
| 75°    | 50.5  | 63.1  | 115.3 | 135.2 | 344.3  | 414.6  | 436.3  | 456.1  | 475.9  | 479.6  | 474.1  |
| 77.5°  | 45.0  | 55.9  | 99.2  | 113.6 | 268.6  | 328.1  | 346.1  | 356.9  | 373.1  | 376.8  | 378.6  |
| 80°    | 37.8  | 48.7  | 77.5  | 88.3  | 194.7  | 241.6  | 254.2  | 263.2  | 277.6  | 277.6  | 281.3  |
| 82.5°  | 28.8  | 37.8  | 55.9  | 63.1  | 131.6  | 165.8  | 176.7  | 182.1  | 191.1  | 191.1  | 191.1  |
| 85°    | 18.0  | 23.5  | 36.0  | 41.5  | 79.3   | 101.0  | 108.2  | 110.0  | 117.2  | 119.0  | 119.0  |
| 87.5°  | 9.0   | 12.6  | 23.5  | 25.2  | 41.5   | 52.3   | 52.3   | 55.9   | 55.9   | 54.1   | 52.3   |
| 90°    | 7.1   | 12.7  | 18.4  | 19.7  | 31.0   | 46.1   | 53.7   | 47.7   | 35.7   | 26.8   | 26.8   |
| 92.5°  | 28.3  | 76.3  | 124.3 | 136.4 | 191.7  | 265.4  | 302.4  | 265.0  | 190.3  | 134.3  | 128.9  |
| 95°    | 67.9  | 155.7 | 243.6 | 265.6 | 471.6  | 746.4  | 883.8  | 788.7  | 598.4  | 455.6  | 439.4  |
| 97.5°  | 117.3 | 194.8 | 272.3 | 291.7 | 635.3  | 1093.5 | 1322.5 | 1262.4 | 1142.1 | 1051.9 | 1021.2 |
| 100°   | 155.5 | 225.8 | 296.1 | 313.6 | 694.9  | 1203.3 | 1457.4 | 1461.8 | 1470.6 | 1477.2 | 1440.5 |
| 102.5° | 187.9 | 253.5 | 319.2 | 335.6 | 722.3  | 1237.7 | 1495.5 | 1572.1 | 1725.4 | 1840.3 | 1808.9 |
| 105°   | 243.1 | 298.6 | 354.1 | 368.0 | 742.4  | 1241.7 | 1491.3 | 1663.1 | 2006.6 | 2264.2 | 2247.3 |
| 107.5° | 299.5 | 351.3 | 403.2 | 416.1 | 746.3  | 1186.4 | 1406.6 | 1646.2 | 2125.3 | 2484.6 | 2488.7 |
| 110°   | 337.7 | 384.4 | 431.2 | 442.9 | 740.5  | 1137.4 | 1335.9 | 1603.7 | 2139.4 | 2541.2 | 2558.7 |



TEST NUMBER: P938040

CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.1  | 419.7  | 464.3  | 475.5  | 740.8  | 1094.7 | 1271.6 | 1545.7 | 2093.9 | 2505.0 | 2532.1 |
| 115°   | 431.6  | 472.7  | 513.9  | 524.2  | 747.7  | 1045.6 | 1194.6 | 1458.7 | 1986.8 | 2382.9 | 2420.4 |
| 117.5° | 487.5  | 524.9  | 562.2  | 571.5  | 761.5  | 1014.9 | 1141.6 | 1379.9 | 1856.6 | 2214.1 | 2255.5 |
| 120°   | 519.9  | 555.2  | 590.3  | 599.1  | 772.8  | 1004.5 | 1120.4 | 1338.2 | 1773.6 | 2100.3 | 2140.6 |
| 122.5° | 551.8  | 587.3  | 622.7  | 631.6  | 789.1  | 999.1  | 1104.2 | 1300.3 | 1692.5 | 1986.6 | 2026.3 |
| 125°   | 600.5  | 632.8  | 665.1  | 673.2  | 811.0  | 994.7  | 1086.6 | 1253.1 | 1586.2 | 1836.1 | 1872.8 |
| 127.5° | 640.0  | 672.7  | 705.3  | 713.5  | 833.0  | 992.1  | 1071.7 | 1214.7 | 1500.8 | 1715.3 | 1746.2 |
| 130°   | 661.2  | 696.4  | 731.5  | 740.4  | 848.9  | 993.6  | 1066.0 | 1193.4 | 1448.0 | 1639.0 | 1667.5 |
| 132.5° | 683.1  | 718.3  | 753.5  | 762.3  | 861.9  | 994.7  | 1061.1 | 1175.1 | 1403.0 | 1573.9 | 1599.5 |
| 135°   | 715.6  | 747.6  | 779.6  | 787.7  | 876.0  | 993.8  | 1052.6 | 1148.1 | 1339.0 | 1482.2 | 1504.2 |
| 137.5° | 748.8  | 780.6  | 812.3  | 820.2  | 897.2  | 999.9  | 1051.2 | 1131.9 | 1293.2 | 1414.3 | 1432.3 |
| 140°   | 776.4  | 805.6  | 834.8  | 842.1  | 910.1  | 1000.9 | 1046.3 | 1115.9 | 1255.4 | 1359.9 | 1376.8 |
| 142.5° | 797.6  | 824.6  | 851.6  | 858.3  | 921.0  | 1004.5 | 1046.3 | 1107.5 | 1229.9 | 1321.8 | 1336.3 |
| 145°   | 830.0  | 853.6  | 877.2  | 883.1  | 935.1  | 1004.5 | 1039.2 | 1089.3 | 1189.4 | 1264.6 | 1275.6 |
| 147.5° | 862.6  | 885.5  | 908.5  | 914.2  | 955.8  | 1011.4 | 1039.2 | 1078.6 | 1157.4 | 1216.5 | 1225.6 |
| 150°   | 883.8  | 904.5  | 925.2  | 930.4  | 966.7  | 1015.0 | 1039.2 | 1072.5 | 1139.0 | 1189.0 | 1196.4 |
| 152.5° | 905.6  | 921.4  | 937.1  | 941.0  | 973.8  | 1017.3 | 1039.2 | 1067.5 | 1124.4 | 1167.1 | 1172.6 |
| 155°   | 938.2  | 949.8  | 961.4  | 964.3  | 989.2  | 1022.5 | 1039.2 | 1061.8 | 1107.0 | 1141.0 | 1144.7 |
| 157.5° | 962.2  | 973.5  | 984.8  | 987.6  | 1004.8 | 1027.7 | 1039.2 | 1056.7 | 1091.9 | 1118.3 | 1120.9 |
| 160°   | 978.4  | 987.2  | 996.1  | 998.2  | 1011.9 | 1030.1 | 1039.2 | 1054.3 | 1084.4 | 1107.0 | 1108.5 |
| 162.5° | 994.7  | 1001.2 | 1007.9 | 1009.5 | 1019.4 | 1032.6 | 1039.2 | 1051.9 | 1077.3 | 1096.4 | 1097.8 |
| 165°   | 1012.3 | 1018.3 | 1024.3 | 1025.8 | 1030.3 | 1036.2 | 1039.2 | 1048.3 | 1066.5 | 1080.2 | 1081.6 |
| 167.5° | 1028.6 | 1031.4 | 1034.3 | 1035.0 | 1038.7 | 1043.7 | 1046.3 | 1052.3 | 1064.2 | 1073.1 | 1073.7 |
| 170°   | 1039.2 | 1042.0 | 1044.8 | 1045.5 | 1045.8 | 1046.1 | 1046.3 | 1052.3 | 1064.2 | 1073.1 | 1073.1 |
| 172.5° | 1044.8 | 1045.4 | 1046.1 | 1046.3 | 1046.3 | 1046.3 | 1046.3 | 1051.0 | 1060.4 | 1067.5 | 1066.9 |
| 175°   | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1050.5 | 1047.7 | 1046.3 | 1049.3 | 1055.3 | 1059.7 | 1059.7 |
| 177.5° | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1051.0 | 1048.7 | 1047.6 | 1050.0 | 1054.7 | 1058.3 | 1057.6 |
| 180°   | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1052.6 | 1052.6 |



TEST NUMBER: P938040

CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 560.6  | 560.6  |
| 2.5°   | 598.5  | 594.9  |
| 5°     | 769.7  | 773.4  |
| 7.5°   | 1036.5 | 1034.8 |
| 10°    | 1289.0 | 1305.1 |
| 12.5°  | 1472.8 | 1476.4 |
| 15°    | 1584.6 | 1591.8 |
| 17.5°  | 1627.9 | 1629.6 |
| 20°    | 1629.6 | 1626.1 |
| 22.5°  | 1609.8 | 1606.2 |
| 25°    | 1586.4 | 1584.6 |
| 27.5°  | 1564.8 | 1566.6 |
| 30°    | 1555.8 | 1561.1 |
| 32.5°  | 1555.8 | 1564.8 |
| 35°    | 1559.4 | 1568.4 |
| 37.5°  | 1557.6 | 1568.4 |
| 40°    | 1550.3 | 1562.9 |
| 42.5°  | 1530.5 | 1539.6 |
| 45°    | 1499.9 | 1510.6 |
| 47.5°  | 1460.2 | 1467.4 |
| 50°    | 1409.8 | 1416.9 |
| 52.5°  | 1346.6 | 1348.4 |
| 55°    | 1270.9 | 1278.1 |
| 57.5°  | 1189.8 | 1191.6 |
| 60°    | 1099.7 | 1105.0 |
| 62.5°  | 1004.1 | 1004.1 |
| 65°    | 903.2  | 906.7  |
| 67.5°  | 798.6  | 807.6  |
| 70°    | 692.2  | 694.1  |
| 72.5°  | 587.7  | 587.7  |
| 75°    | 479.6  | 481.3  |
| 77.5°  | 376.8  | 376.8  |
| 80°    | 279.4  | 281.3  |
| 82.5°  | 192.9  | 196.5  |
| 85°    | 120.8  | 120.8  |
| 87.5°  | 55.9   | 50.5   |
| 90°    | 26.8   | 26.8   |
| 92.5°  | 107.5  | 86.1   |
| 95°    | 374.8  | 310.1  |
| 97.5°  | 898.1  | 775.0  |
| 100°   | 1294.0 | 1147.3 |
| 102.5° | 1683.3 | 1557.8 |
| 105°   | 2179.8 | 2112.3 |
| 107.5° | 2505.0 | 2521.3 |
| 110°   | 2629.0 | 2699.3 |





TEST NUMBER: P938040

CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2640.0 | 2748.1 |
| 115°   | 2570.1 | 2719.8 |
| 117.5° | 2421.6 | 2587.7 |
| 120°   | 2302.0 | 2463.4 |
| 122.5° | 2185.5 | 2344.7 |
| 125°   | 2019.4 | 2166.0 |
| 127.5° | 1869.9 | 1993.7 |
| 130°   | 1781.9 | 1896.1 |
| 132.5° | 1701.9 | 1804.3 |
| 135°   | 1592.4 | 1680.6 |
| 137.5° | 1504.5 | 1576.8 |
| 140°   | 1444.3 | 1511.8 |
| 142.5° | 1394.4 | 1452.5 |
| 145°   | 1319.5 | 1363.5 |
| 147.5° | 1262.1 | 1298.5 |
| 150°   | 1225.9 | 1255.4 |
| 152.5° | 1194.9 | 1217.2 |
| 155°   | 1159.4 | 1174.2 |
| 157.5° | 1131.2 | 1141.6 |
| 160°   | 1114.5 | 1120.4 |
| 162.5° | 1103.5 | 1109.1 |
| 165°   | 1087.7 | 1093.6 |
| 167.5° | 1076.2 | 1078.7 |
| 170°   | 1073.1 | 1073.1 |
| 172.5° | 1064.7 | 1062.5 |
| 175°   | 1059.7 | 1059.7 |
| 177.5° | 1055.2 | 1052.6 |
| 180°   | 1052.6 | 1052.6 |



TEST NUMBER: P938040

CATALOG NUMBER: SQ4-FB-125U-100D-92765-1D-UNV-STD-W-6-4000K

**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 | 4.21             | 5.01  | 5.25  | 6.06  | 7.48  | 17.38          | 18.17 | 18.42 | 19.22 | 20.64 |
|                 | 3H   | 4.91             | 5.63  | 5.96  | 6.69  | 8.13  | 19.21          | 19.92 | 20.25 | 20.98 | 22.42 |
|                 | 4H   | 5.21             | 5.89  | 6.27  | 6.95  | 8.39  | 19.84          | 20.52 | 20.91 | 21.58 | 23.03 |
|                 | 6H   | 5.45             | 6.08  | 6.53  | 7.15  | 8.60  | 20.27          | 20.89 | 21.34 | 21.96 | 23.42 |
|                 | 8H   | 5.52             | 6.12  | 6.60  | 7.20  | 8.65  | 20.38          | 20.98 | 21.46 | 22.06 | 23.51 |
|                 | 12H  | 5.54             | 6.10  | 6.62  | 7.18  | 8.65  | 20.45          | 21.01 | 21.53 | 22.09 | 23.57 |
| 4H              | 2H   | 11.41            | 12.09 | 12.48 | 13.15 | 14.60 | 17.64          | 18.32 | 18.71 | 19.38 | 20.83 |
|                 | 3H   | 12.97            | 13.54 | 14.05 | 14.63 | 16.09 | 19.68          | 20.25 | 20.75 | 21.33 | 22.79 |
|                 | 4H   | 13.06            | 13.59 | 14.15 | 14.67 | 16.14 | 20.44          | 20.96 | 21.52 | 22.04 | 23.52 |
|                 | 6H   | 13.07            | 13.52 | 14.16 | 14.62 | 16.10 | 20.97          | 21.42 | 22.06 | 22.52 | 23.99 |
|                 | 8H   | 13.05            | 13.47 | 14.14 | 14.56 | 16.05 | 21.13          | 21.55 | 22.22 | 22.64 | 24.13 |
|                 | 12H  | 13.00            | 13.38 | 14.11 | 14.49 | 15.98 | 21.21          | 21.59 | 22.32 | 22.70 | 24.20 |
| 8H              | 4H   | 14.50            | 14.92 | 15.59 | 16.01 | 17.50 | 20.49          | 20.91 | 21.58 | 22.01 | 23.50 |
|                 | 6H   | 14.74            | 15.09 | 15.85 | 16.22 | 17.71 | 21.11          | 21.46 | 22.23 | 22.60 | 24.08 |
|                 | 8H   | 14.76            | 15.06 | 15.88 | 16.18 | 17.68 | 21.33          | 21.64 | 22.45 | 22.75 | 24.26 |
|                 | 12H  | 14.72            | 14.99 | 15.85 | 16.10 | 17.65 | 21.47          | 21.74 | 22.59 | 22.85 | 24.40 |
| 12H             | 4H   | 14.64            | 15.02 | 15.75 | 16.13 | 17.62 | 20.44          | 20.82 | 21.55 | 21.93 | 23.43 |
|                 | 6H   | 15.00            | 15.30 | 16.12 | 16.42 | 17.92 | 21.10          | 21.40 | 22.22 | 22.52 | 24.03 |
|                 | 8H   | 15.06            | 15.33 | 16.19 | 16.44 | 17.99 | 21.32          | 21.59 | 22.45 | 22.70 | 24.25 |