

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: P938392

Luminaire Tested: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

**Test Information**

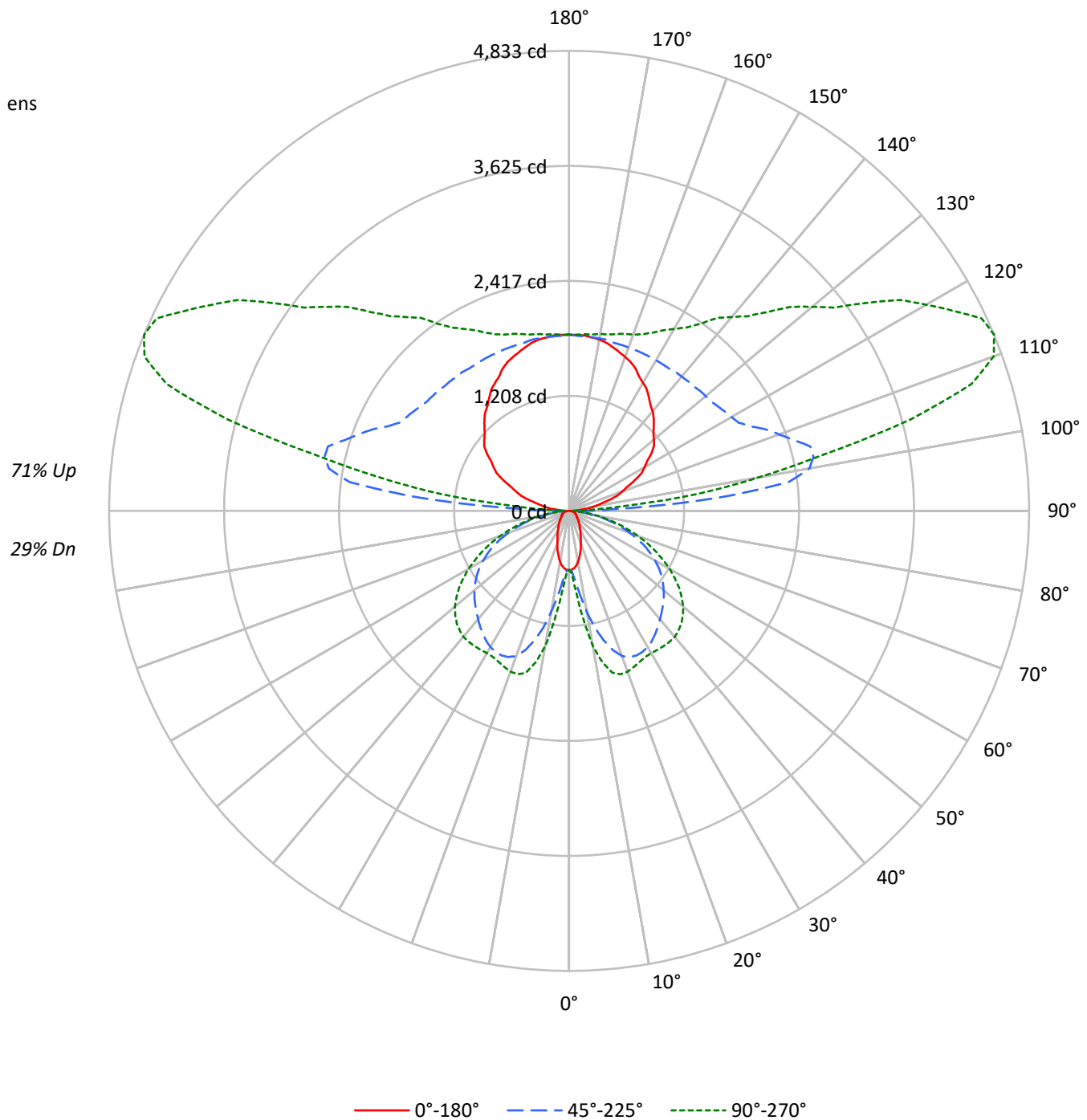
Test Method: LM-79-2019  
Report Number: P938392  
REPORT IS A COMBINATION OF REPORTS P933646 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16800.6 lumens  
Efficiency: N/A  
Efficacy: 132.1 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): 127.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P938392  
CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P938392

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

**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   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 29 |    |    |
| 1   | 93  | 88  | 84  | 81  | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 45 | 43 | 32 | 31 | 30 | 23 |    |    |
| 2   | 84  | 77  | 71  | 66  | 75 | 69 | 64 | 59 | 54 | 50 | 47 | 40 | 38 | 36 | 27 | 26 | 25 | 19 |    |    |
| 3   | 76  | 67  | 60  | 54  | 68 | 60 | 54 | 49 | 47 | 43 | 39 | 35 | 32 | 30 | 24 | 22 | 21 | 16 |    |    |
| 4   | 70  | 59  | 51  | 45  | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 17 | 13 |    |    |
| 5   | 64  | 52  | 44  | 38  | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 21 | 19 | 17 | 15 | 11 |    |    |
| 6   | 58  | 47  | 39  | 33  | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 18 | 17 | 15 | 13 | 10 |    |    |
| 7   | 54  | 42  | 34  | 28  | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 22 | 19 | 16 | 15 | 13 | 11 | 8  |    |    |
| 8   | 50  | 38  | 30  | 25  | 44 | 34 | 27 | 23 | 27 | 22 | 18 | 20 | 17 | 14 | 14 | 12 | 10 | 7  |    |    |
| 9   | 46  | 34  | 27  | 22  | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 13 | 10 | 9  | 6  |    |    |
| 10  | 43  | 31  | 24  | 19  | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 13 | 11 | 12 | 9  | 8  | 6  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2874 | 2874 | 2874 |
| 5°  | 2808 | 3322 | 3864 |
| 10° | 2547 | 4843 | 6405 |
| 15° | 2165 | 6327 | 7734 |
| 20° | 1763 | 7332 | 7883 |
| 25° | 1470 | 7673 | 7723 |
| 30° | 1240 | 7721 | 7708 |
| 35° | 1096 | 7593 | 7907 |
| 40° | 955  | 7426 | 8113 |
| 45° | 865  | 7304 | 8145 |
| 50° | 794  | 7195 | 8010 |
| 55° | 760  | 7034 | 7655 |
| 60° | 778  | 6724 | 7095 |
| 65° | 809  | 6255 | 6324 |
| 70° | 862  | 5455 | 5342 |
| 75° | 956  | 4448 | 4169 |
| 80° | 1043 | 3085 | 2810 |
| 85° | 927  | 1636 | 1438 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8145 cd/sqm



TEST NUMBER: P938392

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 80.1    | 0.5       |
| 10°-20°   | 355.2   | 2.1       |
| 20°-30°   | 621.3   | 3.7       |
| 30°-40°   | 799.8   | 4.8       |
| 40°-50°   | 893.3   | 5.3       |
| 50°-60°   | 855.6   | 5.1       |
| 60°-70°   | 678.0   | 4.0       |
| 70°-80°   | 398.7   | 2.4       |
| 80°-90°   | 117.8   | 0.7       |
| 90°-100°  | 902.4   | 5.4       |
| 100°-110° | 2372.4  | 14.1      |
| 110°-120° | 2459.9  | 14.6      |
| 120°-130° | 1973.1  | 11.7      |
| 130°-140° | 1548.2  | 9.2       |
| 140°-150° | 1188.3  | 7.1       |
| 150°-160° | 855.8   | 5.1       |
| 160°-170° | 523.6   | 3.1       |
| 170°-180° | 176.9   | 1.1       |
| 0°-30°    | 1056.6  | 6.3       |
| 0°-40°    | 1856.4  | 11.0      |
| 0°-60°    | 3605.3  | 21.5      |
| 0°-90°    | 4799.8  | 28.6      |
| 90°-120°  | 5734.7  | 34.1      |
| 90°-150°  | 10444.4 | 62.2      |
| 90°-180°  | 12001.0 | 71.4      |
| 0°-180°   | 16800.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 620  | 620   | 620  | 620   | 620  |      |
| 5°   | 604  | 647   | 729  | 825   | 855  | 56   |
| 15°  | 452  | 835   | 1406 | 1705  | 1759 | 126  |
| 25°  | 289  | 946   | 1675 | 1749  | 1751 | 133  |
| 35°  | 195  | 904   | 1578 | 1667  | 1733 | 122  |
| 45°  | 134  | 721   | 1394 | 1598  | 1669 | 103  |
| 55°  | 96   | 458   | 1183 | 1375  | 1412 | 87   |
| 65°  | 76   | 243   | 878  | 988   | 1002 | 75   |
| 75°  | 56   | 149   | 482  | 530   | 532  | 58   |
| 85°  | 20   | 46    | 120  | 132   | 134  | 21   |
| 90°  | 12   | 35    | 94   | 47    | 47   | 12   |
| 95°  | 119  | 467   | 1554 | 801   | 545  | 132  |
| 105° | 427  | 647   | 2623 | 3982  | 3715 | 453  |
| 115° | 759  | 922   | 2101 | 4191  | 4783 | 750  |
| 125° | 1056 | 1184  | 1911 | 3229  | 3809 | 938  |
| 135° | 1258 | 1385  | 1851 | 2607  | 2956 | 974  |
| 145° | 1460 | 1553  | 1828 | 2224  | 2398 | 915  |
| 155° | 1650 | 1696  | 1828 | 2006  | 2065 | 758  |
| 165° | 1780 | 1804  | 1828 | 1900  | 1923 | 502  |
| 175° | 1851 | 1851  | 1840 | 1864  | 1864 | 176  |
| 180° | 1851 | 1851  | 1851 | 1851  | 1851 |      |



TEST NUMBER: P938392

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 619.5 | 619.5 | 619.5 | 619.5 | 619.5  | 619.5  | 619.5  | 619.5  | 619.5  | 619.5  | 619.5  |
| 2.5°   | 619.5 | 619.5 | 623.5 | 625.5 | 629.5  | 631.5  | 635.4  | 639.4  | 651.4  | 653.4  | 657.4  |
| 5°     | 603.6 | 611.5 | 637.4 | 647.4 | 675.3  | 713.1  | 729.1  | 755.0  | 808.8  | 824.7  | 834.6  |
| 7.5°   | 579.7 | 597.6 | 661.3 | 677.3 | 747.0  | 846.6  | 888.4  | 944.2  | 1029.9 | 1071.7 | 1105.6 |
| 10°    | 541.8 | 579.7 | 693.2 | 731.1 | 844.6  | 996.0  | 1073.7 | 1151.5 | 1281.0 | 1338.7 | 1360.6 |
| 12.5°  | 500.0 | 561.7 | 727.1 | 778.9 | 942.2  | 1163.4 | 1257.1 | 1342.7 | 1490.1 | 1567.8 | 1579.8 |
| 15°    | 452.2 | 535.8 | 759.0 | 834.6 | 1045.8 | 1302.9 | 1406.5 | 1512.0 | 1649.5 | 1705.3 | 1719.2 |
| 17.5°  | 410.4 | 515.9 | 788.8 | 868.5 | 1125.5 | 1428.4 | 1533.9 | 1621.6 | 1733.1 | 1771.0 | 1780.9 |
| 20°    | 358.6 | 484.1 | 808.8 | 912.3 | 1209.2 | 1520.0 | 1621.6 | 1689.3 | 1765.0 | 1788.9 | 1792.9 |
| 22.5°  | 320.7 | 450.2 | 820.7 | 928.3 | 1265.0 | 1575.8 | 1661.4 | 1715.2 | 1767.0 | 1775.0 | 1777.0 |
| 25°    | 288.8 | 412.3 | 818.7 | 946.2 | 1312.8 | 1609.6 | 1675.4 | 1715.2 | 1745.1 | 1749.1 | 1749.1 |
| 27.5°  | 259.0 | 370.5 | 810.7 | 950.2 | 1348.7 | 1617.6 | 1669.4 | 1697.3 | 1711.2 | 1719.2 | 1719.2 |
| 30°    | 233.1 | 330.7 | 790.8 | 942.2 | 1364.6 | 1609.6 | 1651.5 | 1665.4 | 1679.4 | 1691.3 | 1697.3 |
| 32.5°  | 213.1 | 292.8 | 760.9 | 926.3 | 1366.6 | 1589.7 | 1619.6 | 1627.6 | 1647.5 | 1675.4 | 1685.3 |
| 35°    | 195.2 | 255.0 | 727.1 | 904.4 | 1354.7 | 1557.8 | 1577.8 | 1585.7 | 1625.6 | 1667.4 | 1681.3 |
| 37.5°  | 177.3 | 227.1 | 683.3 | 866.5 | 1336.7 | 1520.0 | 1533.9 | 1547.9 | 1609.6 | 1659.4 | 1675.4 |
| 40°    | 159.4 | 203.2 | 631.5 | 824.7 | 1308.8 | 1474.2 | 1486.1 | 1508.0 | 1589.7 | 1647.5 | 1663.4 |
| 42.5°  | 145.4 | 183.3 | 575.7 | 780.9 | 1273.0 | 1422.4 | 1440.3 | 1472.2 | 1565.8 | 1627.6 | 1645.5 |
| 45°    | 133.5 | 163.3 | 515.9 | 721.1 | 1227.2 | 1368.6 | 1394.5 | 1438.3 | 1537.9 | 1597.7 | 1613.6 |
| 47.5°  | 121.5 | 149.4 | 454.2 | 659.4 | 1177.4 | 1314.8 | 1348.7 | 1398.5 | 1500.1 | 1557.8 | 1571.8 |
| 50°    | 111.6 | 135.5 | 392.4 | 593.6 | 1123.5 | 1257.1 | 1296.9 | 1348.7 | 1452.3 | 1506.1 | 1524.0 |
| 52.5°  | 103.6 | 123.5 | 334.7 | 527.9 | 1061.7 | 1197.3 | 1243.1 | 1296.9 | 1394.5 | 1446.3 | 1458.2 |
| 55°    | 95.6  | 113.5 | 284.9 | 458.2 | 998.0  | 1133.5 | 1183.3 | 1235.1 | 1330.8 | 1374.6 | 1382.5 |
| 57.5°  | 91.6  | 105.6 | 243.0 | 392.4 | 930.3  | 1061.7 | 1117.5 | 1165.4 | 1255.1 | 1288.9 | 1296.9 |
| 60°    | 85.7  | 99.6  | 211.2 | 336.6 | 856.6  | 994.0  | 1041.8 | 1089.6 | 1165.4 | 1193.3 | 1199.3 |
| 62.5°  | 79.7  | 95.6  | 187.2 | 282.9 | 780.9  | 914.3  | 962.1  | 1006.0 | 1069.7 | 1089.6 | 1097.6 |
| 65°    | 75.7  | 91.6  | 169.3 | 243.0 | 703.2  | 830.7  | 878.5  | 916.3  | 968.1  | 988.0  | 992.0  |
| 67.5°  | 71.7  | 87.6  | 155.4 | 209.2 | 625.5  | 747.0  | 782.9  | 818.7  | 858.6  | 878.5  | 880.5  |
| 70°    | 65.7  | 83.7  | 143.4 | 185.3 | 545.8  | 651.4  | 681.3  | 719.1  | 751.0  | 760.9  | 766.9  |
| 72.5°  | 61.8  | 77.7  | 135.5 | 167.3 | 464.1  | 559.8  | 587.6  | 609.6  | 637.4  | 647.4  | 647.4  |
| 75°    | 55.8  | 69.7  | 127.5 | 149.4 | 380.5  | 458.2  | 482.1  | 504.0  | 525.9  | 529.9  | 523.9  |
| 77.5°  | 49.8  | 61.8  | 109.6 | 125.5 | 296.8  | 362.5  | 382.5  | 394.4  | 412.3  | 416.3  | 418.3  |
| 80°    | 41.8  | 53.8  | 85.7  | 97.6  | 215.1  | 266.9  | 280.9  | 290.8  | 306.8  | 306.8  | 310.8  |
| 82.5°  | 31.9  | 41.8  | 61.8  | 69.7  | 145.4  | 183.3  | 195.2  | 201.2  | 211.2  | 211.2  | 211.2  |
| 85°    | 19.9  | 25.9  | 39.8  | 45.8  | 87.6   | 111.6  | 119.5  | 121.5  | 129.5  | 131.5  | 131.5  |
| 87.5°  | 10.0  | 13.9  | 25.9  | 27.9  | 45.8   | 57.8   | 57.8   | 61.8   | 61.8   | 59.8   | 57.8   |
| 90°    | 12.4  | 22.4  | 32.3  | 34.8  | 54.7   | 81.2   | 94.4   | 84.0   | 62.9   | 47.2   | 47.2   |
| 92.5°  | 49.7  | 134.2 | 218.7 | 239.8 | 337.1  | 466.9  | 531.8  | 466.0  | 334.7  | 236.1  | 226.7  |
| 95°    | 119.3 | 273.9 | 428.5 | 467.1 | 829.5  | 1312.6 | 1554.3 | 1386.9 | 1052.4 | 801.4  | 772.9  |
| 97.5°  | 206.3 | 342.6 | 479.1 | 513.1 | 1117.4 | 1923.1 | 2325.9 | 2220.1 | 2008.6 | 1850.0 | 1795.9 |
| 100°   | 273.3 | 397.0 | 520.7 | 551.7 | 1222.2 | 2116.1 | 2563.1 | 2570.9 | 2586.3 | 2597.9 | 2533.4 |
| 102.5° | 330.5 | 445.9 | 561.2 | 590.1 | 1270.2 | 2176.9 | 2630.2 | 2765.0 | 3034.4 | 3236.5 | 3181.3 |
| 105°   | 427.4 | 525.1 | 622.9 | 647.3 | 1305.8 | 2183.7 | 2622.8 | 2924.9 | 3528.9 | 3982.0 | 3952.3 |
| 107.5° | 526.8 | 617.9 | 709.0 | 731.8 | 1312.4 | 2086.6 | 2473.7 | 2895.0 | 3737.7 | 4369.7 | 4376.8 |
| 110°   | 593.9 | 676.2 | 758.5 | 779.0 | 1302.5 | 2000.5 | 2349.5 | 2820.5 | 3762.5 | 4469.1 | 4499.9 |



TEST NUMBER: P938392

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 659.8  | 738.1  | 816.5  | 836.1  | 1302.9 | 1925.2 | 2236.3 | 2718.4 | 3682.5 | 4405.6 | 4453.1 |
| 115°   | 759.2  | 831.5  | 903.8  | 921.9  | 1314.9 | 1838.9 | 2101.0 | 2565.3 | 3494.1 | 4190.7 | 4256.5 |
| 117.5° | 857.3  | 923.0  | 988.7  | 1005.2 | 1339.3 | 1784.9 | 2007.7 | 2426.9 | 3265.1 | 3893.8 | 3966.8 |
| 120°   | 914.4  | 976.3  | 1038.1 | 1053.6 | 1359.2 | 1766.7 | 1970.5 | 2353.4 | 3119.4 | 3693.8 | 3764.7 |
| 122.5° | 970.3  | 1032.8 | 1095.1 | 1110.7 | 1387.8 | 1757.2 | 1941.9 | 2286.7 | 2976.4 | 3493.7 | 3563.7 |
| 125°   | 1056.1 | 1112.9 | 1169.8 | 1184.0 | 1426.3 | 1749.3 | 1910.8 | 2203.7 | 2789.6 | 3229.0 | 3293.5 |
| 127.5° | 1125.7 | 1183.0 | 1240.5 | 1254.9 | 1464.8 | 1744.8 | 1884.7 | 2136.2 | 2639.3 | 3016.6 | 3071.0 |
| 130°   | 1162.9 | 1224.8 | 1286.6 | 1302.1 | 1493.0 | 1747.5 | 1874.8 | 2098.7 | 2546.6 | 2882.4 | 2932.7 |
| 132.5° | 1201.5 | 1263.3 | 1325.2 | 1340.6 | 1515.8 | 1749.4 | 1866.1 | 2066.5 | 2467.4 | 2768.1 | 2813.1 |
| 135°   | 1258.5 | 1314.9 | 1371.3 | 1385.3 | 1540.6 | 1747.7 | 1851.2 | 2019.1 | 2354.8 | 2606.6 | 2645.4 |
| 137.5° | 1317.0 | 1372.8 | 1428.5 | 1442.4 | 1577.9 | 1758.4 | 1848.8 | 1990.7 | 2274.5 | 2487.3 | 2519.1 |
| 140°   | 1365.4 | 1416.8 | 1468.1 | 1481.0 | 1600.7 | 1760.2 | 1840.0 | 1962.6 | 2207.8 | 2391.7 | 2421.4 |
| 142.5° | 1402.7 | 1450.2 | 1497.7 | 1509.5 | 1619.7 | 1766.6 | 1840.0 | 1947.7 | 2163.0 | 2324.6 | 2350.1 |
| 145°   | 1459.8 | 1501.3 | 1542.7 | 1553.1 | 1644.6 | 1766.6 | 1827.6 | 1915.6 | 2091.8 | 2224.0 | 2243.3 |
| 147.5° | 1517.0 | 1557.3 | 1597.7 | 1607.7 | 1681.0 | 1778.8 | 1827.6 | 1896.9 | 2035.4 | 2139.4 | 2155.4 |
| 150°   | 1554.3 | 1590.7 | 1627.2 | 1636.2 | 1700.0 | 1785.0 | 1827.6 | 1886.1 | 2003.2 | 2091.0 | 2104.0 |
| 152.5° | 1592.8 | 1620.4 | 1648.1 | 1655.0 | 1712.5 | 1789.2 | 1827.6 | 1877.6 | 1977.5 | 2052.5 | 2062.2 |
| 155°   | 1650.0 | 1670.4 | 1690.8 | 1695.9 | 1739.8 | 1798.3 | 1827.6 | 1867.3 | 1946.9 | 2006.5 | 2013.0 |
| 157.5° | 1692.2 | 1712.1 | 1731.9 | 1736.9 | 1767.1 | 1807.4 | 1827.6 | 1858.5 | 1920.4 | 1966.8 | 1971.4 |
| 160°   | 1720.8 | 1736.2 | 1751.7 | 1755.5 | 1779.6 | 1811.5 | 1827.6 | 1854.1 | 1907.1 | 1946.9 | 1949.5 |
| 162.5° | 1749.4 | 1760.9 | 1772.6 | 1775.5 | 1792.8 | 1816.0 | 1827.6 | 1850.0 | 1894.7 | 1928.3 | 1930.7 |
| 165°   | 1780.4 | 1790.8 | 1801.4 | 1804.0 | 1811.8 | 1822.3 | 1827.6 | 1843.6 | 1875.7 | 1899.7 | 1902.3 |
| 167.5° | 1808.9 | 1813.9 | 1818.9 | 1820.2 | 1826.8 | 1835.6 | 1840.0 | 1850.5 | 1871.5 | 1887.2 | 1888.3 |
| 170°   | 1827.6 | 1832.5 | 1837.5 | 1838.8 | 1839.2 | 1839.7 | 1840.0 | 1850.5 | 1871.5 | 1887.2 | 1887.2 |
| 172.5° | 1837.5 | 1838.6 | 1839.7 | 1840.0 | 1840.0 | 1840.0 | 1840.0 | 1848.3 | 1864.8 | 1877.3 | 1876.3 |
| 175°   | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1847.5 | 1842.5 | 1840.0 | 1845.3 | 1855.7 | 1863.6 | 1863.6 |
| 177.5° | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1848.3 | 1844.4 | 1842.5 | 1846.7 | 1855.0 | 1861.1 | 1860.0 |
| 180°   | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1851.2 | 1851.2 |



TEST NUMBER: P938392

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 619.5  | 619.5  |
| 2.5°   | 661.3  | 657.4  |
| 5°     | 850.6  | 854.6  |
| 7.5°   | 1145.5 | 1143.5 |
| 10°    | 1424.4 | 1442.3 |
| 12.5°  | 1627.6 | 1631.5 |
| 15°    | 1751.1 | 1759.0 |
| 17.5°  | 1798.9 | 1800.9 |
| 20°    | 1800.9 | 1796.9 |
| 22.5°  | 1779.0 | 1775.0 |
| 25°    | 1753.1 | 1751.1 |
| 27.5°  | 1729.2 | 1731.1 |
| 30°    | 1719.2 | 1725.2 |
| 32.5°  | 1719.2 | 1729.2 |
| 35°    | 1723.2 | 1733.1 |
| 37.5°  | 1721.2 | 1733.1 |
| 40°    | 1713.2 | 1727.2 |
| 42.5°  | 1691.3 | 1701.3 |
| 45°    | 1657.4 | 1669.4 |
| 47.5°  | 1613.6 | 1621.6 |
| 50°    | 1557.8 | 1565.8 |
| 52.5°  | 1488.1 | 1490.1 |
| 55°    | 1404.5 | 1412.4 |
| 57.5°  | 1314.8 | 1316.8 |
| 60°    | 1215.2 | 1221.2 |
| 62.5°  | 1109.5 | 1109.5 |
| 65°    | 998.0  | 1002.0 |
| 67.5°  | 882.5  | 892.4  |
| 70°    | 764.9  | 766.9  |
| 72.5°  | 649.4  | 649.4  |
| 75°    | 529.9  | 531.9  |
| 77.5°  | 416.3  | 416.3  |
| 80°    | 308.8  | 310.8  |
| 82.5°  | 213.1  | 217.1  |
| 85°    | 133.5  | 133.5  |
| 87.5°  | 61.8   | 55.8   |
| 90°    | 47.2   | 47.2   |
| 92.5°  | 189.1  | 151.6  |
| 95°    | 659.2  | 545.4  |
| 97.5°  | 1579.4 | 1362.9 |
| 100°   | 2275.6 | 2017.7 |
| 102.5° | 2960.4 | 2739.6 |
| 105°   | 3833.6 | 3714.9 |
| 107.5° | 4405.5 | 4434.2 |
| 110°   | 4623.6 | 4747.3 |





TEST NUMBER: P938392  
CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 4643.1 | 4833.0 |
| 115°   | 4519.9 | 4783.3 |
| 117.5° | 4258.9 | 4551.0 |
| 120°   | 4048.5 | 4332.3 |
| 122.5° | 3843.7 | 4123.6 |
| 125°   | 3551.4 | 3809.3 |
| 127.5° | 3288.6 | 3506.1 |
| 130°   | 3133.7 | 3334.7 |
| 132.5° | 2993.1 | 3173.2 |
| 135°   | 2800.6 | 2955.7 |
| 137.5° | 2646.1 | 2773.1 |
| 140°   | 2540.1 | 2658.8 |
| 142.5° | 2452.3 | 2554.4 |
| 145°   | 2320.6 | 2397.9 |
| 147.5° | 2219.5 | 2283.5 |
| 150°   | 2155.9 | 2207.8 |
| 152.5° | 2101.5 | 2140.7 |
| 155°   | 2039.0 | 2064.9 |
| 157.5° | 1989.5 | 2007.7 |
| 160°   | 1960.0 | 1970.5 |
| 162.5° | 1940.6 | 1950.6 |
| 165°   | 1912.8 | 1923.3 |
| 167.5° | 1892.8 | 1897.2 |
| 170°   | 1887.2 | 1887.2 |
| 172.5° | 1872.5 | 1868.6 |
| 175°   | 1863.6 | 1863.6 |
| 177.5° | 1855.5 | 1851.2 |
| 180°   | 1851.2 | 1851.2 |



TEST NUMBER: P938392

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-8-2700K

**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 | 2.28             | 3.00  | 3.40  | 4.11  | 5.66  | 15.46          | 16.18 | 16.58 | 17.29 | 18.84 |
|                 | 3H   | 2.98             | 3.62  | 4.10  | 4.74  | 6.30  | 17.29          | 17.93 | 18.42 | 19.06 | 20.62 |
|                 | 4H   | 3.27             | 3.88  | 4.40  | 5.00  | 6.57  | 17.93          | 18.54 | 19.06 | 19.66 | 21.23 |
|                 | 6H   | 3.51             | 4.07  | 4.65  | 5.20  | 6.78  | 18.35          | 18.91 | 19.50 | 20.04 | 21.62 |
|                 | 8H   | 3.58             | 4.11  | 4.72  | 5.25  | 6.82  | 18.47          | 19.00 | 19.61 | 20.14 | 21.72 |
|                 | 12H  | 3.59             | 4.10  | 4.74  | 5.23  | 6.83  | 18.53          | 19.04 | 19.68 | 20.17 | 21.77 |
| 4H              | 2H   | 9.48             | 10.09 | 10.62 | 11.21 | 12.78 | 15.72          | 16.33 | 16.86 | 17.45 | 19.02 |
|                 | 3H   | 11.04            | 11.55 | 12.18 | 12.69 | 14.27 | 17.75          | 18.26 | 18.90 | 19.41 | 20.99 |
|                 | 4H   | 11.12            | 11.59 | 12.27 | 12.73 | 14.33 | 18.51          | 18.98 | 19.66 | 20.12 | 21.72 |
|                 | 6H   | 11.13            | 11.53 | 12.28 | 12.69 | 14.28 | 19.04          | 19.44 | 20.20 | 20.61 | 22.19 |
|                 | 8H   | 11.10            | 11.47 | 12.25 | 12.63 | 14.23 | 19.20          | 19.58 | 20.36 | 20.73 | 22.34 |
|                 | 12H  | 11.05            | 11.39 | 12.22 | 12.55 | 14.16 | 19.29          | 19.63 | 20.46 | 20.79 | 22.40 |
| 8H              | 4H   | 12.56            | 12.93 | 13.71 | 14.08 | 15.69 | 18.56          | 18.94 | 19.72 | 20.09 | 21.69 |
|                 | 6H   | 12.79            | 13.10 | 13.97 | 14.30 | 15.90 | 19.18          | 19.49 | 20.36 | 20.69 | 22.29 |
|                 | 8H   | 12.81            | 13.08 | 13.99 | 14.25 | 15.87 | 19.40          | 19.67 | 20.58 | 20.84 | 22.47 |
|                 | 12H  | 12.77            | 13.01 | 13.95 | 14.18 | 15.83 | 19.54          | 19.78 | 20.72 | 20.95 | 22.60 |
| 12H             | 4H   | 12.69            | 13.03 | 13.86 | 14.20 | 15.81 | 18.50          | 18.85 | 19.68 | 20.01 | 21.62 |
|                 | 6H   | 13.05            | 13.32 | 14.23 | 14.49 | 16.12 | 19.16          | 19.43 | 20.34 | 20.61 | 22.23 |
|                 | 8H   | 13.11            | 13.35 | 14.30 | 14.52 | 16.17 | 19.39          | 19.62 | 20.57 | 20.79 | 22.45 |