

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: P938491

Luminaire Tested: SQ4-FB-150U-100D-B2750-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

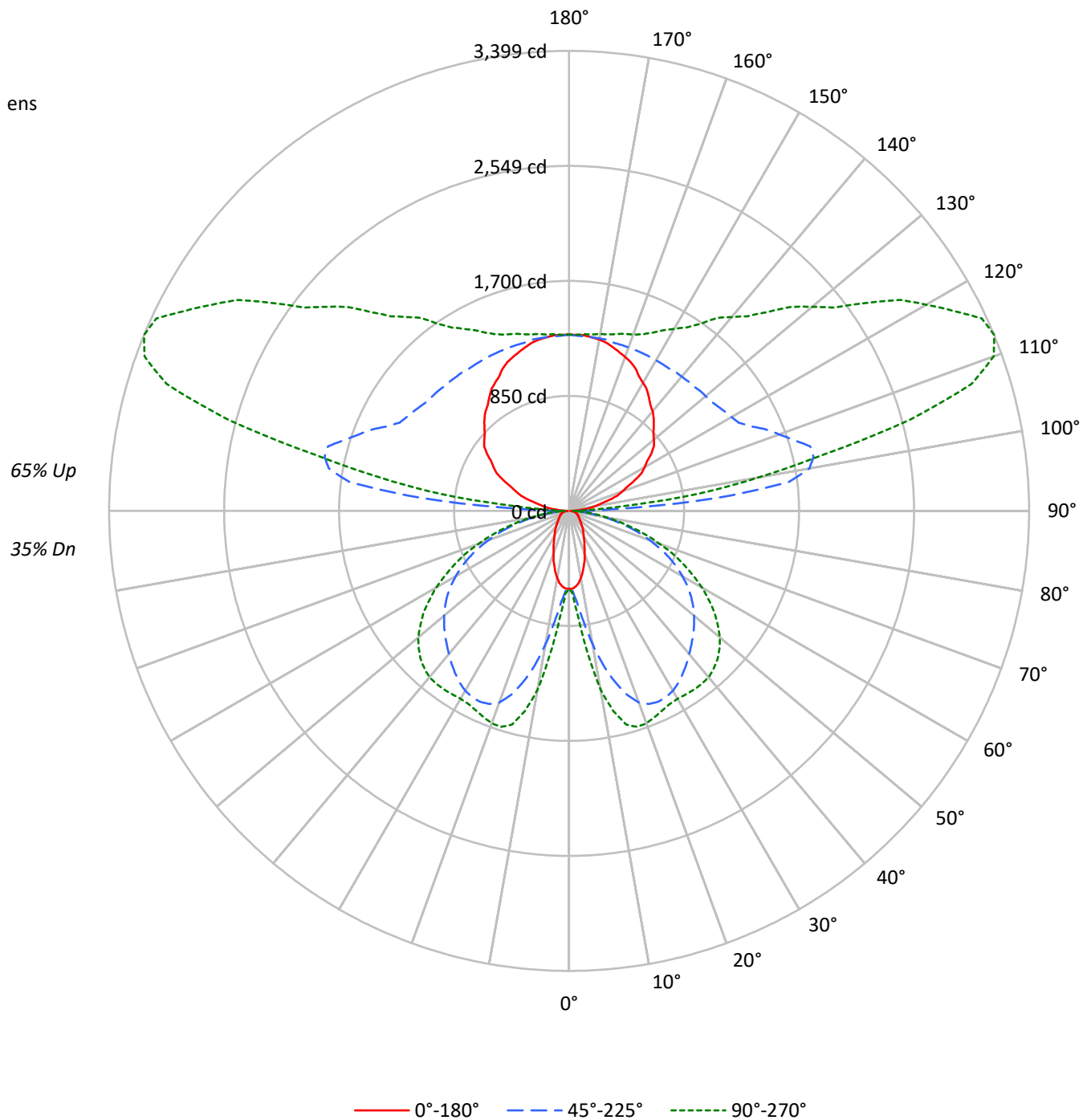
Test Method: LM-79-2019  
Report Number: P938491  
REPORT IS A COMBINATION OF REPORTS P933639 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-150U-100D-B2750-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12898.6 lumens  
Efficiency: N/A  
Efficacy: 118.8 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): 108.6  
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: P938491  
CATALOG NUMBER: SQ4-FB-150U-100D-B2750-1D-UNV-STD-W-6-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P938491

CATALOG NUMBER: SQ4-FB-150U-100D-B2750-1D-UNV-STD-W-6-5000K

**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 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 42 | 42 | 42 | 35 |
| 1   | 94  | 90  | 86  | 82  | 85 | 81 | 78 | 75 | 65 | 63 | 60 | 50 | 49 | 47 | 36 | 35 | 35 | 36 | 35 | 35 | 28 |
| 2   | 85  | 78  | 72  | 66  | 77 | 70 | 65 | 61 | 56 | 53 | 49 | 43 | 41 | 39 | 32 | 30 | 29 | 32 | 30 | 29 | 23 |
| 3   | 77  | 68  | 61  | 55  | 69 | 61 | 55 | 50 | 49 | 45 | 41 | 38 | 35 | 32 | 28 | 26 | 24 | 28 | 26 | 24 | 19 |
| 4   | 71  | 60  | 52  | 46  | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 34 | 30 | 27 | 24 | 22 | 20 | 24 | 22 | 20 | 16 |
| 5   | 64  | 53  | 45  | 39  | 58 | 48 | 41 | 36 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 22 | 19 | 17 | 14 |
| 6   | 59  | 47  | 39  | 33  | 53 | 43 | 36 | 30 | 34 | 29 | 25 | 27 | 23 | 20 | 19 | 17 | 15 | 19 | 17 | 15 | 12 |
| 7   | 54  | 42  | 34  | 29  | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 20 | 17 | 18 | 15 | 13 | 18 | 15 | 13 | 10 |
| 8   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 13 | 11 | 16 | 13 | 11 | 9  |
| 9   | 47  | 35  | 27  | 22  | 42 | 31 | 25 | 20 | 26 | 20 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 15 | 12 | 10 | 8  |
| 10  | 43  | 31  | 24  | 20  | 39 | 29 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 13 | 11 | 9  | 13 | 11 | 9  | 7  |

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

|     | 0°   | 45°  | 90°   |
|-----|------|------|-------|
| 0°  | 3561 | 3561 | 3561  |
| 5°  | 3478 | 4114 | 4787  |
| 10° | 3153 | 5997 | 7935  |
| 15° | 2679 | 7833 | 9582  |
| 20° | 2180 | 9075 | 9766  |
| 25° | 1818 | 9494 | 9567  |
| 30° | 1532 | 9552 | 9549  |
| 35° | 1354 | 9390 | 9796  |
| 40° | 1179 | 9181 | 10051 |
| 45° | 1067 | 9028 | 10090 |
| 50° | 979  | 8889 | 9924  |
| 55° | 935  | 8687 | 9484  |
| 60° | 957  | 8302 | 8789  |
| 65° | 994  | 7718 | 7834  |
| 70° | 1057 | 6727 | 6618  |
| 75° | 1166 | 5479 | 5165  |
| 80° | 1266 | 3796 | 3481  |
| 85° | 1103 | 2011 | 1781  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 10090 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 74.5    | 0.6       |
| 10°-20°   | 330.0   | 2.6       |
| 20°-30°   | 577.3   | 4.5       |
| 30°-40°   | 743.1   | 5.8       |
| 40°-50°   | 830.0   | 6.4       |
| 50°-60°   | 795.0   | 6.2       |
| 60°-70°   | 630.0   | 4.9       |
| 70°-80°   | 370.5   | 2.9       |
| 80°-90°   | 107.9   | 0.8       |
| 90°-100°  | 634.7   | 4.9       |
| 100°-110° | 1668.5  | 12.9      |
| 110°-120° | 1730.1  | 13.4      |
| 120°-130° | 1387.7  | 10.8      |
| 130°-140° | 1088.9  | 8.4       |
| 140°-150° | 835.8   | 6.5       |
| 150°-160° | 601.9   | 4.7       |
| 160°-170° | 368.3   | 2.9       |
| 170°-180° | 124.4   | 1.0       |
| 0°-30°    | 981.8   | 7.6       |
| 0°-40°    | 1724.9  | 13.4      |
| 0°-60°    | 3349.9  | 26.0      |
| 0°-90°    | 4458.3  | 34.6      |
| 90°-120°  | 4033.3  | 31.3      |
| 90°-150°  | 7345.7  | 56.9      |
| 90°-180°  | 8440.0  | 65.4      |
| 0°-180°   | 12898.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 576  | 576   | 576  | 576   | 576  |      |
| 5°   | 561  | 602   | 677  | 766   | 794  | 52   |
| 15°  | 420  | 776   | 1307 | 1584  | 1634 | 117  |
| 25°  | 268  | 879   | 1557 | 1625  | 1627 | 124  |
| 35°  | 181  | 840   | 1466 | 1549  | 1610 | 113  |
| 45°  | 124  | 670   | 1296 | 1484  | 1551 | 96   |
| 55°  | 89   | 426   | 1100 | 1277  | 1312 | 81   |
| 65°  | 70   | 226   | 816  | 918   | 931  | 70   |
| 75°  | 52   | 139   | 448  | 492   | 494  | 54   |
| 85°  | 18   | 43    | 111  | 122   | 124  | 20   |
| 90°  | 9    | 24    | 66   | 33    | 33   | 8    |
| 95°  | 84   | 329   | 1093 | 564   | 384  | 93   |
| 105° | 301  | 455   | 1845 | 2801  | 2613 | 319  |
| 115° | 534  | 648   | 1478 | 2947  | 3364 | 527  |
| 125° | 743  | 833   | 1344 | 2271  | 2679 | 659  |
| 135° | 885  | 974   | 1302 | 1833  | 2079 | 685  |
| 145° | 1027 | 1092  | 1285 | 1564  | 1686 | 643  |
| 155° | 1160 | 1193  | 1285 | 1411  | 1452 | 533  |
| 165° | 1252 | 1269  | 1285 | 1336  | 1353 | 353  |
| 175° | 1302 | 1302  | 1294 | 1311  | 1311 | 124  |
| 180° | 1302 | 1302  | 1302 | 1302  | 1302 |      |



TEST NUMBER: P938491

CATALOG NUMBER: SQ4-FB-150U-100D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 575.6 | 575.6 | 575.6 | 575.6 | 575.6  | 575.6  | 575.6  | 575.6  | 575.6  | 575.6  | 575.6  |
| 2.5°   | 575.6 | 575.6 | 579.4 | 581.2 | 584.9  | 586.7  | 590.5  | 594.2  | 605.2  | 607.1  | 610.8  |
| 5°     | 560.9 | 568.2 | 592.3 | 601.6 | 627.5  | 662.7  | 677.4  | 701.5  | 751.5  | 766.3  | 775.6  |
| 7.5°   | 538.6 | 555.3 | 614.6 | 629.3 | 694.1  | 786.7  | 825.6  | 877.4  | 957.0  | 995.8  | 1027.3 |
| 10°    | 503.4 | 538.6 | 644.2 | 679.3 | 784.8  | 925.5  | 997.7  | 1069.9 | 1190.2 | 1243.9 | 1264.3 |
| 12.5°  | 464.6 | 522.0 | 675.7 | 723.8 | 875.5  | 1081.0 | 1168.0 | 1247.5 | 1384.6 | 1456.8 | 1467.9 |
| 15°    | 420.2 | 497.9 | 705.3 | 775.6 | 971.7  | 1210.6 | 1306.9 | 1404.9 | 1532.6 | 1584.4 | 1597.4 |
| 17.5°  | 381.4 | 479.4 | 733.0 | 807.1 | 1045.8 | 1327.2 | 1425.3 | 1506.7 | 1610.4 | 1645.5 | 1654.8 |
| 20°    | 333.2 | 449.8 | 751.5 | 847.8 | 1123.6 | 1412.3 | 1506.7 | 1569.7 | 1640.0 | 1662.2 | 1665.9 |
| 22.5°  | 298.0 | 418.3 | 762.6 | 862.5 | 1175.3 | 1464.1 | 1543.7 | 1593.7 | 1641.9 | 1649.3 | 1651.1 |
| 25°    | 268.4 | 383.1 | 760.7 | 879.3 | 1219.8 | 1495.6 | 1556.7 | 1593.7 | 1621.5 | 1625.2 | 1625.2 |
| 27.5°  | 240.6 | 344.3 | 753.4 | 882.9 | 1253.1 | 1503.0 | 1551.1 | 1577.1 | 1590.0 | 1597.4 | 1597.4 |
| 30°    | 216.6 | 307.3 | 734.9 | 875.5 | 1267.9 | 1495.6 | 1534.5 | 1547.5 | 1560.4 | 1571.5 | 1577.1 |
| 32.5°  | 198.1 | 272.1 | 707.0 | 860.7 | 1269.8 | 1477.1 | 1504.9 | 1512.2 | 1530.7 | 1556.7 | 1565.9 |
| 35°    | 181.4 | 237.0 | 675.7 | 840.3 | 1258.7 | 1447.5 | 1466.0 | 1473.4 | 1510.4 | 1549.3 | 1562.2 |
| 37.5°  | 164.8 | 211.0 | 634.9 | 805.2 | 1242.0 | 1412.3 | 1425.3 | 1438.3 | 1495.6 | 1541.8 | 1556.7 |
| 40°    | 148.0 | 188.8 | 586.7 | 766.3 | 1216.1 | 1369.7 | 1380.8 | 1401.2 | 1477.1 | 1530.7 | 1545.6 |
| 42.5°  | 135.1 | 170.3 | 534.9 | 725.6 | 1182.8 | 1321.6 | 1338.2 | 1367.8 | 1454.9 | 1512.2 | 1529.0 |
| 45°    | 124.0 | 151.8 | 479.4 | 670.1 | 1140.2 | 1271.6 | 1295.7 | 1336.5 | 1428.9 | 1484.5 | 1499.4 |
| 47.5°  | 112.9 | 138.8 | 422.1 | 612.7 | 1093.9 | 1221.7 | 1253.1 | 1299.4 | 1393.8 | 1447.5 | 1460.4 |
| 50°    | 103.7 | 125.9 | 364.6 | 551.6 | 1043.9 | 1168.0 | 1205.0 | 1253.1 | 1349.3 | 1399.3 | 1416.0 |
| 52.5°  | 96.3  | 114.8 | 310.9 | 490.5 | 986.6  | 1112.5 | 1155.0 | 1205.0 | 1295.7 | 1343.8 | 1355.0 |
| 55°    | 88.8  | 105.5 | 264.7 | 425.7 | 927.4  | 1053.2 | 1099.5 | 1147.6 | 1236.4 | 1277.2 | 1284.6 |
| 57.5°  | 85.2  | 98.1  | 225.8 | 364.6 | 864.4  | 986.6  | 1038.4 | 1082.9 | 1166.1 | 1197.6 | 1205.0 |
| 60°    | 79.6  | 92.6  | 196.2 | 312.8 | 796.0  | 923.6  | 968.1  | 1012.5 | 1082.9 | 1108.8 | 1114.3 |
| 62.5°  | 74.1  | 88.8  | 174.0 | 262.8 | 725.6  | 849.6  | 894.0  | 934.7  | 994.0  | 1012.5 | 1019.9 |
| 65°    | 70.3  | 85.2  | 157.4 | 225.8 | 653.4  | 771.9  | 816.3  | 851.4  | 899.6  | 918.1  | 921.8  |
| 67.5°  | 66.6  | 81.4  | 144.4 | 194.4 | 581.2  | 694.1  | 727.4  | 760.7  | 797.8  | 816.3  | 818.2  |
| 70°    | 61.1  | 77.7  | 133.3 | 172.1 | 507.2  | 605.2  | 633.1  | 668.2  | 697.8  | 707.0  | 712.6  |
| 72.5°  | 57.3  | 72.2  | 125.9 | 155.5 | 431.3  | 520.1  | 546.0  | 566.4  | 592.3  | 601.6  | 601.6  |
| 75°    | 51.8  | 64.8  | 118.4 | 138.8 | 353.5  | 425.7  | 447.9  | 468.3  | 488.7  | 492.4  | 486.8  |
| 77.5°  | 46.2  | 57.3  | 101.8 | 116.7 | 275.8  | 336.9  | 355.4  | 366.5  | 383.1  | 386.9  | 388.7  |
| 80°    | 38.9  | 50.0  | 79.6  | 90.7  | 199.9  | 248.1  | 261.0  | 270.2  | 285.1  | 285.1  | 288.8  |
| 82.5°  | 29.6  | 38.9  | 57.3  | 64.8  | 135.1  | 170.3  | 181.4  | 187.0  | 196.2  | 196.2  | 196.2  |
| 85°    | 18.5  | 24.1  | 37.0  | 42.6  | 81.4   | 103.7  | 111.1  | 112.9  | 120.3  | 122.2  | 122.2  |
| 87.5°  | 9.2   | 13.0  | 24.1  | 25.9  | 42.6   | 53.7   | 53.7   | 57.3   | 57.3   | 55.6   | 53.7   |
| 90°    | 8.8   | 15.8  | 22.7  | 24.5  | 38.5   | 57.1   | 66.4   | 59.0   | 44.3   | 33.3   | 33.3   |
| 92.5°  | 34.9  | 94.3  | 153.8 | 168.7 | 237.1  | 328.4  | 374.0  | 327.7  | 235.4  | 166.1  | 159.4  |
| 95°    | 83.9  | 192.6 | 301.4 | 328.6 | 583.5  | 923.3  | 1093.2 | 975.5  | 740.1  | 563.6  | 543.6  |
| 97.5°  | 145.1 | 241.0 | 336.9 | 360.9 | 785.9  | 1352.5 | 1635.8 | 1561.5 | 1412.7 | 1301.2 | 1263.0 |
| 100°   | 192.2 | 279.3 | 366.2 | 388.0 | 859.6  | 1488.3 | 1802.7 | 1808.1 | 1819.1 | 1827.2 | 1781.9 |
| 102.5° | 232.5 | 313.6 | 394.8 | 415.1 | 893.4  | 1531.0 | 1849.9 | 1944.6 | 2134.1 | 2276.3 | 2237.4 |
| 105°   | 300.6 | 369.3 | 438.0 | 455.2 | 918.4  | 1535.9 | 1844.6 | 2057.0 | 2481.9 | 2800.6 | 2779.7 |
| 107.5° | 370.5 | 434.6 | 498.7 | 514.6 | 923.0  | 1467.5 | 1739.8 | 2036.1 | 2628.7 | 3073.2 | 3078.3 |
| 110°   | 417.7 | 475.6 | 533.4 | 547.9 | 916.1  | 1406.9 | 1652.3 | 1983.6 | 2646.2 | 3143.1 | 3164.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 464.0  | 519.1  | 574.2  | 588.0  | 916.3  | 1354.0 | 1572.9 | 1911.9 | 2590.0 | 3098.5 | 3132.0 |
| 115°   | 533.9  | 584.8  | 635.7  | 648.4  | 924.8  | 1293.3 | 1477.6 | 1804.2 | 2457.4 | 2947.3 | 2993.7 |
| 117.5° | 602.9  | 649.1  | 695.4  | 706.9  | 942.0  | 1255.4 | 1412.1 | 1706.9 | 2296.3 | 2738.5 | 2789.9 |
| 120°   | 643.2  | 686.7  | 730.2  | 741.0  | 955.9  | 1242.6 | 1385.9 | 1655.2 | 2193.9 | 2597.8 | 2647.7 |
| 122.5° | 682.5  | 726.4  | 770.3  | 781.2  | 976.0  | 1235.9 | 1365.8 | 1608.3 | 2093.4 | 2457.2 | 2506.4 |
| 125°   | 742.7  | 782.7  | 822.8  | 832.8  | 1003.1 | 1230.4 | 1343.9 | 1550.0 | 1962.0 | 2271.0 | 2316.3 |
| 127.5° | 791.7  | 832.0  | 872.4  | 882.5  | 1030.2 | 1227.1 | 1325.5 | 1502.4 | 1856.2 | 2121.6 | 2159.9 |
| 130°   | 817.9  | 861.4  | 905.0  | 915.8  | 1050.1 | 1229.1 | 1318.6 | 1476.1 | 1791.0 | 2027.2 | 2062.6 |
| 132.5° | 845.0  | 888.5  | 932.0  | 942.9  | 1066.1 | 1230.4 | 1312.5 | 1453.4 | 1735.4 | 1946.8 | 1978.5 |
| 135°   | 885.2  | 924.8  | 964.4  | 974.3  | 1083.5 | 1229.1 | 1302.0 | 1420.1 | 1656.2 | 1833.3 | 1860.5 |
| 137.5° | 926.2  | 965.5  | 1004.7 | 1014.5 | 1109.8 | 1236.7 | 1300.2 | 1400.1 | 1599.7 | 1749.4 | 1771.7 |
| 140°   | 960.3  | 996.5  | 1032.5 | 1041.6 | 1125.8 | 1238.0 | 1294.2 | 1380.4 | 1552.8 | 1682.1 | 1703.0 |
| 142.5° | 986.5  | 1019.9 | 1053.4 | 1061.7 | 1139.2 | 1242.5 | 1294.2 | 1369.9 | 1521.3 | 1634.9 | 1652.8 |
| 145°   | 1026.7 | 1055.9 | 1085.0 | 1092.3 | 1156.7 | 1242.5 | 1285.4 | 1347.3 | 1471.2 | 1564.2 | 1577.7 |
| 147.5° | 1066.9 | 1095.3 | 1123.6 | 1130.7 | 1182.3 | 1251.0 | 1285.4 | 1334.1 | 1431.5 | 1504.7 | 1516.0 |
| 150°   | 1093.2 | 1118.7 | 1144.3 | 1150.8 | 1195.6 | 1255.5 | 1285.4 | 1326.6 | 1408.8 | 1470.6 | 1479.7 |
| 152.5° | 1120.2 | 1139.7 | 1159.1 | 1164.0 | 1204.4 | 1258.4 | 1285.4 | 1320.5 | 1390.8 | 1443.5 | 1450.4 |
| 155°   | 1160.4 | 1174.8 | 1189.2 | 1192.7 | 1223.6 | 1264.8 | 1285.4 | 1313.3 | 1369.2 | 1411.2 | 1415.8 |
| 157.5° | 1190.1 | 1204.1 | 1218.1 | 1221.6 | 1242.9 | 1271.2 | 1285.4 | 1307.1 | 1350.7 | 1383.3 | 1386.4 |
| 160°   | 1210.3 | 1221.1 | 1231.9 | 1234.7 | 1251.6 | 1274.1 | 1285.4 | 1304.1 | 1341.3 | 1369.2 | 1371.1 |
| 162.5° | 1230.4 | 1238.5 | 1246.6 | 1248.7 | 1260.9 | 1277.2 | 1285.4 | 1301.1 | 1332.5 | 1356.2 | 1357.9 |
| 165°   | 1252.2 | 1259.6 | 1266.9 | 1268.7 | 1274.3 | 1281.6 | 1285.4 | 1296.7 | 1319.2 | 1336.1 | 1338.0 |
| 167.5° | 1272.3 | 1275.8 | 1279.3 | 1280.1 | 1284.8 | 1291.1 | 1294.2 | 1301.5 | 1316.3 | 1327.3 | 1328.1 |
| 170°   | 1285.4 | 1288.8 | 1292.4 | 1293.2 | 1293.5 | 1294.0 | 1294.2 | 1301.5 | 1316.3 | 1327.3 | 1327.3 |
| 172.5° | 1292.4 | 1293.1 | 1294.0 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1299.9 | 1311.6 | 1320.3 | 1319.6 |
| 175°   | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1299.4 | 1295.9 | 1294.2 | 1297.8 | 1305.2 | 1310.7 | 1310.7 |
| 177.5° | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1299.9 | 1297.2 | 1295.8 | 1298.7 | 1304.6 | 1309.0 | 1308.3 |
| 180°   | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 |



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CATALOG NUMBER: SQ4-FB-150U-100D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 575.6  | 575.6  |
| 2.5°   | 614.6  | 610.8  |
| 5°     | 790.4  | 794.1  |
| 7.5°   | 1064.3 | 1062.5 |
| 10°    | 1323.5 | 1340.1 |
| 12.5°  | 1512.2 | 1516.0 |
| 15°    | 1627.0 | 1634.4 |
| 17.5°  | 1671.5 | 1673.3 |
| 20°    | 1673.3 | 1669.6 |
| 22.5°  | 1652.9 | 1649.3 |
| 25°    | 1628.9 | 1627.0 |
| 27.5°  | 1606.7 | 1608.5 |
| 30°    | 1597.4 | 1602.9 |
| 32.5°  | 1597.4 | 1606.7 |
| 35°    | 1601.2 | 1610.4 |
| 37.5°  | 1599.3 | 1610.4 |
| 40°    | 1591.8 | 1604.8 |
| 42.5°  | 1571.5 | 1580.8 |
| 45°    | 1540.1 | 1551.1 |
| 47.5°  | 1499.4 | 1506.7 |
| 50°    | 1447.5 | 1454.9 |
| 52.5°  | 1382.7 | 1384.6 |
| 55°    | 1305.0 | 1312.4 |
| 57.5°  | 1221.7 | 1223.5 |
| 60°    | 1129.1 | 1134.6 |
| 62.5°  | 1031.0 | 1031.0 |
| 65°    | 927.4  | 931.0  |
| 67.5°  | 820.0  | 829.2  |
| 70°    | 710.8  | 712.6  |
| 72.5°  | 603.5  | 603.5  |
| 75°    | 492.4  | 494.2  |
| 77.5°  | 386.9  | 386.9  |
| 80°    | 286.9  | 288.8  |
| 82.5°  | 198.1  | 201.7  |
| 85°    | 124.0  | 124.0  |
| 87.5°  | 57.3   | 51.8   |
| 90°    | 33.3   | 33.3   |
| 92.5°  | 133.0  | 106.6  |
| 95°    | 463.5  | 383.6  |
| 97.5°  | 1110.8 | 958.6  |
| 100°   | 1600.5 | 1419.1 |
| 102.5° | 2082.1 | 1926.7 |
| 105°   | 2696.2 | 2612.7 |
| 107.5° | 3098.5 | 3118.6 |
| 110°   | 3251.8 | 3338.9 |





TEST NUMBER: P938491

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3265.5 | 3399.1 |
| 115°   | 3178.9 | 3364.2 |
| 117.5° | 2995.3 | 3200.8 |
| 120°   | 2847.4 | 3047.0 |
| 122.5° | 2703.3 | 2900.2 |
| 125°   | 2497.7 | 2679.1 |
| 127.5° | 2312.9 | 2465.9 |
| 130°   | 2204.0 | 2345.3 |
| 132.5° | 2105.0 | 2231.7 |
| 135°   | 1969.7 | 2078.8 |
| 137.5° | 1861.1 | 1950.4 |
| 140°   | 1786.5 | 1870.0 |
| 142.5° | 1724.7 | 1796.5 |
| 145°   | 1632.1 | 1686.4 |
| 147.5° | 1561.0 | 1606.1 |
| 150°   | 1516.3 | 1552.8 |
| 152.5° | 1478.0 | 1505.6 |
| 155°   | 1434.0 | 1452.3 |
| 157.5° | 1399.3 | 1412.1 |
| 160°   | 1378.5 | 1385.9 |
| 162.5° | 1364.9 | 1371.9 |
| 165°   | 1345.2 | 1352.6 |
| 167.5° | 1331.2 | 1334.3 |
| 170°   | 1327.3 | 1327.3 |
| 172.5° | 1316.9 | 1314.2 |
| 175°   | 1310.7 | 1310.7 |
| 177.5° | 1305.1 | 1302.0 |
| 180°   | 1302.0 | 1302.0 |



TEST NUMBER: P938491

CATALOG NUMBER: SQ4-FB-150U-100D-B2750-1D-UNV-STD-W-6-5000K

**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 | 3.80             | 4.57  | 4.88  | 5.64  | 7.12  | 16.97          | 17.73 | 18.04 | 18.81 | 20.28 |
|                 | 3H   | 4.50             | 5.19  | 5.58  | 6.27  | 7.76  | 18.80          | 19.48 | 19.88 | 20.57 | 22.06 |
|                 | 4H   | 4.80             | 5.45  | 5.89  | 6.53  | 8.03  | 19.43          | 20.08 | 20.53 | 21.17 | 22.67 |
|                 | 6H   | 5.04             | 5.64  | 6.14  | 6.73  | 8.24  | 19.86          | 20.45 | 20.96 | 21.54 | 23.05 |
|                 | 8H   | 5.11             | 5.68  | 6.21  | 6.78  | 8.29  | 19.97          | 20.54 | 21.08 | 21.65 | 23.15 |
|                 | 12H  | 5.12             | 5.66  | 6.23  | 6.76  | 8.29  | 20.03          | 20.57 | 21.14 | 21.68 | 23.20 |
| 4H              | 2H   | 11.00            | 11.65 | 12.10 | 12.74 | 14.23 | 17.23          | 17.88 | 18.33 | 18.97 | 20.47 |
|                 | 3H   | 12.56            | 13.10 | 13.67 | 14.22 | 15.73 | 19.26          | 19.81 | 20.37 | 20.92 | 22.43 |
|                 | 4H   | 12.65            | 13.15 | 13.76 | 14.25 | 15.78 | 20.02          | 20.52 | 21.13 | 21.63 | 23.16 |
|                 | 6H   | 12.65            | 13.08 | 13.77 | 14.21 | 15.73 | 20.55          | 20.98 | 21.67 | 22.11 | 23.63 |
|                 | 8H   | 12.63            | 13.03 | 13.75 | 14.15 | 15.69 | 20.71          | 21.11 | 21.83 | 22.23 | 23.77 |
|                 | 12H  | 12.58            | 12.94 | 13.72 | 14.08 | 15.62 | 20.79          | 21.16 | 21.93 | 22.29 | 23.83 |
| 8H              | 4H   | 14.08            | 14.48 | 15.20 | 15.60 | 17.14 | 20.08          | 20.48 | 21.19 | 21.60 | 23.14 |
|                 | 6H   | 14.32            | 14.65 | 15.46 | 15.81 | 17.35 | 20.70          | 21.03 | 21.84 | 22.19 | 23.72 |
|                 | 8H   | 14.34            | 14.63 | 15.48 | 15.77 | 17.32 | 20.91          | 21.20 | 22.06 | 22.34 | 23.90 |
|                 | 12H  | 14.30            | 14.55 | 15.45 | 15.69 | 17.28 | 21.05          | 21.30 | 22.20 | 22.44 | 24.03 |
| 12H             | 4H   | 14.22            | 14.58 | 15.36 | 15.71 | 17.26 | 20.02          | 20.39 | 21.16 | 21.52 | 23.06 |
|                 | 6H   | 14.58            | 14.87 | 15.72 | 16.01 | 17.56 | 20.68          | 20.97 | 21.82 | 22.11 | 23.67 |
|                 | 8H   | 14.64            | 14.90 | 15.79 | 16.03 | 17.63 | 20.90          | 21.15 | 22.05 | 22.29 | 23.89 |