

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: P938442

Luminaire Tested: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938442
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-92765-1D-UNV-STD-W-6-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

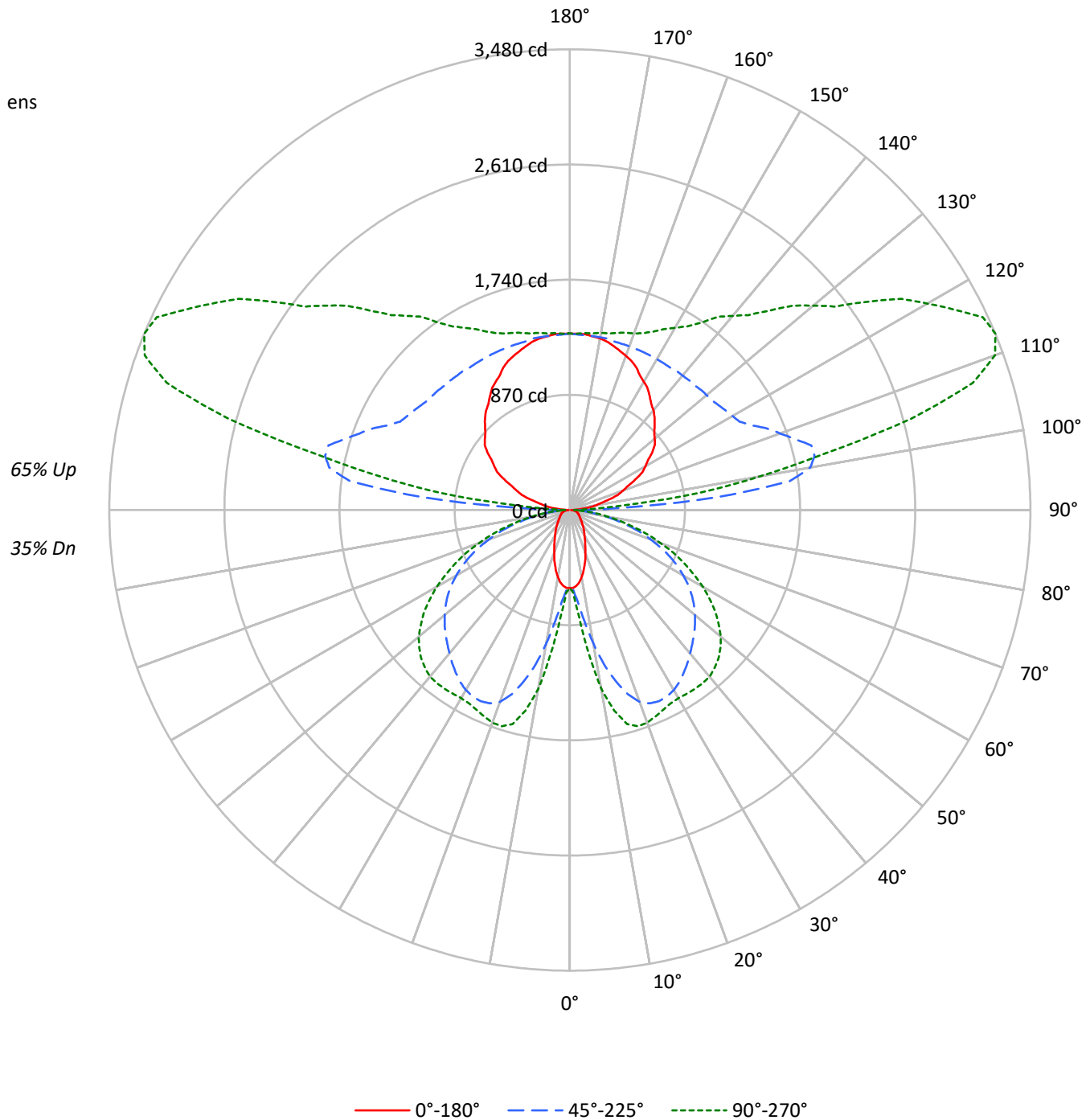
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13205.0 lumens
Efficiency: N/A
Efficacy: 121.6 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): 108.6
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: P938442
CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P938442

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-6500K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|-------|
| 0° | 3646 | 3646 | 3646 |
| 5° | 3560 | 4212 | 4901 |
| 10° | 3228 | 6139 | 8124 |
| 15° | 2743 | 8019 | 9809 |
| 20° | 2232 | 9290 | 9998 |
| 25° | 1861 | 9720 | 9795 |
| 30° | 1569 | 9778 | 9776 |
| 35° | 1386 | 9613 | 10029 |
| 40° | 1207 | 9399 | 10290 |
| 45° | 1093 | 9242 | 10330 |
| 50° | 1001 | 9101 | 10160 |
| 55° | 958 | 8893 | 9709 |
| 60° | 980 | 8499 | 8998 |
| 65° | 1018 | 7901 | 8020 |
| 70° | 1081 | 6886 | 6776 |
| 75° | 1195 | 5610 | 5287 |
| 80° | 1295 | 3886 | 3564 |
| 85° | 1127 | 2058 | 1824 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10330 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 76.2 | 0.6 |
| 10°-20° | 337.9 | 2.6 |
| 20°-30° | 591.0 | 4.5 |
| 30°-40° | 760.8 | 5.8 |
| 40°-50° | 849.8 | 6.4 |
| 50°-60° | 813.9 | 6.2 |
| 60°-70° | 645.0 | 4.9 |
| 70°-80° | 379.3 | 2.9 |
| 80°-90° | 110.5 | 0.8 |
| 90°-100° | 649.8 | 4.9 |
| 100°-110° | 1708.2 | 12.9 |
| 110°-120° | 1771.2 | 13.4 |
| 120°-130° | 1420.7 | 10.8 |
| 130°-140° | 1114.8 | 8.4 |
| 140°-150° | 855.6 | 6.5 |
| 150°-160° | 616.2 | 4.7 |
| 160°-170° | 377.0 | 2.9 |
| 170°-180° | 127.4 | 1.0 |
| 0°-30° | 1005.1 | 7.6 |
| 0°-40° | 1765.9 | 13.4 |
| 0°-60° | 3429.5 | 26.0 |
| 0°-90° | 4564.2 | 34.6 |
| 90°-120° | 4129.1 | 31.3 |
| 90°-150° | 7520.2 | 56.9 |
| 90°-180° | 8641.0 | 65.4 |
| 0°-180° | 13205.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 589 | 589 | 589 | 589 | 589 | |
| 5° | 574 | 616 | 694 | 785 | 813 | 53 |
| 15° | 430 | 794 | 1338 | 1622 | 1673 | 120 |
| 25° | 275 | 900 | 1594 | 1664 | 1666 | 127 |
| 35° | 186 | 860 | 1501 | 1586 | 1649 | 116 |
| 45° | 127 | 686 | 1326 | 1520 | 1588 | 98 |
| 55° | 91 | 436 | 1126 | 1308 | 1344 | 83 |
| 65° | 72 | 231 | 836 | 940 | 953 | 71 |
| 75° | 53 | 142 | 459 | 504 | 506 | 56 |
| 85° | 19 | 44 | 114 | 125 | 127 | 20 |
| 90° | 9 | 25 | 68 | 34 | 34 | 9 |
| 95° | 86 | 336 | 1119 | 577 | 393 | 95 |
| 105° | 308 | 466 | 1888 | 2867 | 2675 | 326 |
| 115° | 547 | 664 | 1513 | 3017 | 3444 | 540 |
| 125° | 760 | 852 | 1376 | 2325 | 2743 | 675 |
| 135° | 906 | 998 | 1333 | 1877 | 2128 | 701 |
| 145° | 1051 | 1118 | 1316 | 1601 | 1726 | 659 |
| 155° | 1188 | 1221 | 1316 | 1445 | 1487 | 546 |
| 165° | 1282 | 1299 | 1316 | 1368 | 1385 | 362 |
| 175° | 1333 | 1333 | 1325 | 1342 | 1342 | 127 |
| 180° | 1333 | 1333 | 1333 | 1333 | 1333 | |



TEST NUMBER: P938442

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-6500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 589.3 | 589.3 | 589.3 | 589.3 | 589.3 | 589.3 | 589.3 | 589.3 | 589.3 | 589.3 | 589.3 |
| 2.5° | 589.3 | 589.3 | 593.1 | 595.0 | 598.8 | 600.7 | 604.5 | 608.3 | 619.6 | 621.5 | 625.4 |
| 5° | 574.2 | 581.7 | 606.4 | 615.9 | 642.4 | 678.4 | 693.5 | 718.2 | 769.4 | 784.6 | 794.0 |
| 7.5° | 551.4 | 568.5 | 629.2 | 644.3 | 710.6 | 805.4 | 845.2 | 898.2 | 979.7 | 1019.5 | 1051.7 |
| 10° | 515.4 | 551.4 | 659.5 | 695.4 | 803.5 | 947.5 | 1021.4 | 1095.3 | 1218.5 | 1273.5 | 1294.3 |
| 12.5° | 475.6 | 534.4 | 691.7 | 741.0 | 896.3 | 1106.7 | 1195.7 | 1277.2 | 1417.5 | 1491.4 | 1502.8 |
| 15° | 430.2 | 509.7 | 722.0 | 794.0 | 994.8 | 1239.3 | 1337.9 | 1438.3 | 1569.0 | 1622.1 | 1635.4 |
| 17.5° | 390.4 | 490.8 | 750.4 | 826.2 | 1070.6 | 1358.8 | 1459.2 | 1542.5 | 1648.7 | 1684.6 | 1694.1 |
| 20° | 341.1 | 460.5 | 769.4 | 867.9 | 1150.3 | 1445.9 | 1542.5 | 1607.0 | 1679.0 | 1701.7 | 1705.5 |
| 22.5° | 305.1 | 428.3 | 780.7 | 883.0 | 1203.3 | 1498.9 | 1580.4 | 1631.6 | 1680.9 | 1688.4 | 1690.4 |
| 25° | 274.8 | 392.2 | 778.8 | 900.2 | 1248.8 | 1531.2 | 1593.7 | 1631.6 | 1660.0 | 1663.8 | 1663.8 |
| 27.5° | 246.3 | 352.5 | 771.3 | 903.9 | 1282.9 | 1538.7 | 1587.9 | 1614.5 | 1627.8 | 1635.4 | 1635.4 |
| 30° | 221.7 | 314.6 | 752.3 | 896.3 | 1298.0 | 1531.2 | 1570.9 | 1584.2 | 1597.5 | 1608.8 | 1614.5 |
| 32.5° | 202.8 | 278.5 | 723.8 | 881.1 | 1299.9 | 1512.2 | 1540.6 | 1548.2 | 1567.1 | 1593.7 | 1603.2 |
| 35° | 185.7 | 242.6 | 691.7 | 860.3 | 1288.6 | 1481.9 | 1500.8 | 1508.4 | 1546.3 | 1586.1 | 1599.3 |
| 37.5° | 168.7 | 216.0 | 650.0 | 824.3 | 1271.5 | 1445.9 | 1459.2 | 1472.4 | 1531.2 | 1578.5 | 1593.7 |
| 40° | 151.6 | 193.2 | 600.7 | 784.6 | 1245.0 | 1402.3 | 1413.6 | 1434.5 | 1512.2 | 1567.1 | 1582.3 |
| 42.5° | 138.4 | 174.3 | 547.6 | 742.9 | 1210.9 | 1353.0 | 1370.0 | 1400.3 | 1489.5 | 1548.2 | 1565.3 |
| 45° | 127.0 | 155.4 | 490.8 | 686.0 | 1167.3 | 1301.9 | 1326.5 | 1368.2 | 1462.9 | 1519.8 | 1535.0 |
| 47.5° | 115.6 | 142.1 | 432.1 | 627.3 | 1119.9 | 1250.7 | 1282.9 | 1330.3 | 1426.9 | 1481.9 | 1495.1 |
| 50° | 106.1 | 128.9 | 373.3 | 564.7 | 1068.7 | 1195.7 | 1233.7 | 1282.9 | 1381.4 | 1432.6 | 1449.7 |
| 52.5° | 98.6 | 117.5 | 318.3 | 502.2 | 1010.0 | 1138.9 | 1182.4 | 1233.7 | 1326.5 | 1375.8 | 1387.1 |
| 55° | 90.9 | 108.0 | 271.0 | 435.8 | 949.4 | 1078.2 | 1125.6 | 1174.9 | 1265.8 | 1307.5 | 1315.1 |
| 57.5° | 87.2 | 100.4 | 231.2 | 373.3 | 885.0 | 1010.0 | 1063.1 | 1108.6 | 1193.8 | 1226.0 | 1233.7 |
| 60° | 81.5 | 94.8 | 200.9 | 320.2 | 814.9 | 945.6 | 991.1 | 1036.5 | 1108.6 | 1135.1 | 1140.7 |
| 62.5° | 75.8 | 90.9 | 178.1 | 269.1 | 742.9 | 869.8 | 915.3 | 957.0 | 1017.6 | 1036.5 | 1044.2 |
| 65° | 72.0 | 87.2 | 161.1 | 231.2 | 669.0 | 790.2 | 835.7 | 871.7 | 921.0 | 939.9 | 943.7 |
| 67.5° | 68.2 | 83.4 | 147.8 | 199.0 | 595.0 | 710.6 | 744.7 | 778.8 | 816.8 | 835.7 | 837.6 |
| 70° | 62.5 | 79.6 | 136.4 | 176.2 | 519.2 | 619.6 | 648.1 | 684.1 | 714.4 | 723.8 | 729.6 |
| 72.5° | 58.7 | 73.9 | 128.9 | 159.2 | 441.6 | 532.5 | 559.0 | 579.8 | 606.4 | 615.9 | 615.9 |
| 75° | 53.1 | 66.4 | 121.2 | 142.1 | 361.9 | 435.8 | 458.6 | 479.4 | 500.3 | 504.1 | 498.4 |
| 77.5° | 47.3 | 58.7 | 104.2 | 119.4 | 282.4 | 344.9 | 363.8 | 375.2 | 392.2 | 396.1 | 398.0 |
| 80° | 39.8 | 51.2 | 81.5 | 92.8 | 204.6 | 254.0 | 267.2 | 276.6 | 291.8 | 291.8 | 295.7 |
| 82.5° | 30.3 | 39.8 | 58.7 | 66.4 | 138.4 | 174.3 | 185.7 | 191.4 | 200.9 | 200.9 | 200.9 |
| 85° | 18.9 | 24.7 | 37.9 | 43.6 | 83.4 | 106.1 | 113.7 | 115.6 | 123.2 | 125.1 | 125.1 |
| 87.5° | 9.5 | 13.3 | 24.7 | 26.5 | 43.6 | 55.0 | 55.0 | 58.7 | 58.7 | 56.9 | 55.0 |
| 90° | 9.0 | 16.2 | 23.2 | 25.1 | 39.4 | 58.4 | 68.0 | 60.4 | 45.3 | 34.0 | 34.0 |
| 92.5° | 35.8 | 96.6 | 157.5 | 172.7 | 242.8 | 336.2 | 382.9 | 335.5 | 241.0 | 170.0 | 163.2 |
| 95° | 85.9 | 197.2 | 308.6 | 336.4 | 597.3 | 945.2 | 1119.1 | 998.6 | 757.7 | 577.0 | 556.5 |
| 97.5° | 148.5 | 246.7 | 344.9 | 369.5 | 804.5 | 1384.7 | 1674.7 | 1598.6 | 1446.2 | 1332.1 | 1293.1 |
| 100° | 196.8 | 285.9 | 374.9 | 397.2 | 880.0 | 1523.7 | 1845.5 | 1851.1 | 1862.3 | 1870.6 | 1824.2 |
| 102.5° | 238.0 | 321.1 | 404.2 | 424.9 | 914.6 | 1567.4 | 1893.8 | 1990.8 | 2184.8 | 2330.3 | 2290.6 |
| 105° | 307.7 | 378.1 | 448.5 | 466.0 | 940.2 | 1572.4 | 1888.5 | 2105.9 | 2540.9 | 2867.1 | 2845.7 |
| 107.5° | 379.3 | 444.9 | 510.5 | 526.9 | 944.9 | 1502.4 | 1781.1 | 2084.5 | 2691.2 | 3146.3 | 3151.4 |
| 110° | 427.6 | 486.9 | 546.1 | 560.9 | 937.8 | 1440.3 | 1691.6 | 2030.8 | 2709.1 | 3217.8 | 3240.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 475.0 | 531.5 | 587.9 | 602.0 | 938.1 | 1386.2 | 1610.2 | 1957.3 | 2651.5 | 3172.2 | 3206.4 |
| 115° | 546.6 | 598.7 | 650.8 | 663.8 | 946.7 | 1324.0 | 1512.7 | 1847.1 | 2515.8 | 3017.4 | 3064.8 |
| 117.5° | 617.2 | 664.6 | 711.9 | 723.7 | 964.4 | 1285.2 | 1445.7 | 1747.4 | 2350.9 | 2803.6 | 2856.1 |
| 120° | 658.4 | 703.0 | 747.6 | 758.6 | 978.7 | 1272.1 | 1418.8 | 1694.6 | 2246.0 | 2659.6 | 2710.6 |
| 122.5° | 698.7 | 743.6 | 788.6 | 799.8 | 999.2 | 1265.2 | 1398.2 | 1646.6 | 2143.1 | 2515.6 | 2565.9 |
| 125° | 760.4 | 801.3 | 842.3 | 852.5 | 1027.0 | 1259.6 | 1375.9 | 1586.8 | 2008.6 | 2325.0 | 2371.4 |
| 127.5° | 810.5 | 851.8 | 893.2 | 903.5 | 1054.7 | 1256.2 | 1357.0 | 1538.1 | 1900.3 | 2172.0 | 2211.2 |
| 130° | 837.3 | 881.9 | 926.5 | 937.5 | 1075.0 | 1258.3 | 1350.0 | 1511.2 | 1833.6 | 2075.4 | 2111.6 |
| 132.5° | 865.1 | 909.6 | 954.2 | 965.3 | 1091.4 | 1259.6 | 1343.6 | 1487.9 | 1776.6 | 1993.1 | 2025.5 |
| 135° | 906.2 | 946.7 | 987.4 | 997.5 | 1109.3 | 1258.3 | 1332.9 | 1453.8 | 1695.5 | 1876.8 | 1904.7 |
| 137.5° | 948.3 | 988.4 | 1028.6 | 1038.6 | 1136.1 | 1266.1 | 1331.1 | 1433.3 | 1637.7 | 1790.9 | 1813.8 |
| 140° | 983.2 | 1020.2 | 1057.1 | 1066.3 | 1152.5 | 1267.4 | 1324.9 | 1413.2 | 1589.7 | 1722.1 | 1743.4 |
| 142.5° | 1009.9 | 1044.2 | 1078.4 | 1086.9 | 1166.3 | 1272.0 | 1324.9 | 1402.4 | 1557.4 | 1673.7 | 1692.1 |
| 145° | 1051.1 | 1081.0 | 1110.8 | 1118.3 | 1184.1 | 1272.0 | 1315.9 | 1379.3 | 1506.2 | 1601.3 | 1615.2 |
| 147.5° | 1092.3 | 1121.3 | 1150.3 | 1157.6 | 1210.3 | 1280.7 | 1315.9 | 1365.8 | 1465.6 | 1540.4 | 1552.0 |
| 150° | 1119.1 | 1145.3 | 1171.5 | 1178.1 | 1224.0 | 1285.3 | 1315.9 | 1358.1 | 1442.3 | 1505.5 | 1514.9 |
| 152.5° | 1146.9 | 1166.7 | 1186.6 | 1191.6 | 1233.0 | 1288.3 | 1315.9 | 1351.9 | 1423.9 | 1477.8 | 1484.9 |
| 155° | 1188.0 | 1202.7 | 1217.4 | 1221.1 | 1252.7 | 1294.9 | 1315.9 | 1344.5 | 1401.8 | 1444.7 | 1449.4 |
| 157.5° | 1218.4 | 1232.7 | 1247.1 | 1250.6 | 1272.4 | 1301.4 | 1315.9 | 1338.2 | 1382.8 | 1416.1 | 1419.4 |
| 160° | 1239.0 | 1250.1 | 1261.2 | 1264.0 | 1281.3 | 1304.3 | 1315.9 | 1335.0 | 1373.2 | 1401.8 | 1403.7 |
| 162.5° | 1259.6 | 1267.9 | 1276.2 | 1278.3 | 1290.9 | 1307.6 | 1315.9 | 1332.0 | 1364.2 | 1388.4 | 1390.2 |
| 165° | 1282.0 | 1289.5 | 1297.0 | 1298.9 | 1304.5 | 1312.1 | 1315.9 | 1327.5 | 1350.5 | 1367.8 | 1369.7 |
| 167.5° | 1302.5 | 1306.1 | 1309.7 | 1310.6 | 1315.3 | 1321.7 | 1324.9 | 1332.5 | 1347.6 | 1358.8 | 1359.6 |
| 170° | 1315.9 | 1319.5 | 1323.1 | 1323.9 | 1324.2 | 1324.7 | 1324.9 | 1332.5 | 1347.6 | 1358.8 | 1358.8 |
| 172.5° | 1323.1 | 1323.8 | 1324.7 | 1324.9 | 1324.9 | 1324.9 | 1324.9 | 1330.8 | 1342.8 | 1351.7 | 1351.0 |
| 175° | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1330.3 | 1326.7 | 1324.9 | 1328.6 | 1336.2 | 1341.8 | 1341.8 |
| 177.5° | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1330.8 | 1328.1 | 1326.6 | 1329.6 | 1335.6 | 1340.1 | 1339.3 |
| 180° | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1332.9 | 1332.9 |



TEST NUMBER: P938442

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 589.3 | 589.3 |
| 2.5° | 629.2 | 625.4 |
| 5° | 809.1 | 813.0 |
| 7.5° | 1089.6 | 1087.8 |
| 10° | 1354.9 | 1371.9 |
| 12.5° | 1548.2 | 1552.0 |
| 15° | 1665.7 | 1673.2 |
| 17.5° | 1711.2 | 1713.0 |
| 20° | 1713.0 | 1709.3 |
| 22.5° | 1692.2 | 1688.4 |
| 25° | 1667.6 | 1665.7 |
| 27.5° | 1644.8 | 1646.8 |
| 30° | 1635.4 | 1641.0 |
| 32.5° | 1635.4 | 1644.8 |
| 35° | 1639.2 | 1648.7 |
| 37.5° | 1637.3 | 1648.7 |
| 40° | 1629.6 | 1642.9 |
| 42.5° | 1608.8 | 1618.4 |
| 45° | 1576.7 | 1587.9 |
| 47.5° | 1535.0 | 1542.5 |
| 50° | 1481.9 | 1489.5 |
| 52.5° | 1415.5 | 1417.5 |
| 55° | 1336.0 | 1343.5 |
| 57.5° | 1250.7 | 1252.6 |
| 60° | 1155.9 | 1161.6 |
| 62.5° | 1055.5 | 1055.5 |
| 65° | 949.4 | 953.1 |
| 67.5° | 839.4 | 848.9 |
| 70° | 727.7 | 729.6 |
| 72.5° | 617.8 | 617.8 |
| 75° | 504.1 | 505.9 |
| 77.5° | 396.1 | 396.1 |
| 80° | 293.7 | 295.7 |
| 82.5° | 202.8 | 206.5 |
| 85° | 127.0 | 127.0 |
| 87.5° | 58.7 | 53.1 |
| 90° | 34.0 | 34.0 |
| 92.5° | 136.2 | 109.1 |
| 95° | 474.6 | 392.7 |
| 97.5° | 1137.2 | 981.3 |
| 100° | 1638.5 | 1452.8 |
| 102.5° | 2131.5 | 1972.5 |
| 105° | 2760.2 | 2674.8 |
| 107.5° | 3172.1 | 3192.7 |
| 110° | 3329.1 | 3418.2 |



TEST NUMBER: P938442

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3343.1 | 3479.9 |
| 115° | 3254.4 | 3444.1 |
| 117.5° | 3066.5 | 3276.9 |
| 120° | 2915.0 | 3119.4 |
| 122.5° | 2767.5 | 2969.1 |
| 125° | 2557.1 | 2742.7 |
| 127.5° | 2367.8 | 2524.5 |
| 130° | 2256.3 | 2401.0 |
| 132.5° | 2155.1 | 2284.7 |
| 135° | 2016.5 | 2128.2 |
| 137.5° | 1905.3 | 1996.7 |
| 140° | 1828.9 | 1914.4 |
| 142.5° | 1765.7 | 1839.2 |
| 145° | 1670.9 | 1726.5 |
| 147.5° | 1598.1 | 1644.3 |
| 150° | 1552.3 | 1589.7 |
| 152.5° | 1513.1 | 1541.4 |
| 155° | 1468.0 | 1486.8 |
| 157.5° | 1432.6 | 1445.7 |
| 160° | 1411.2 | 1418.8 |
| 162.5° | 1397.3 | 1404.5 |
| 165° | 1377.2 | 1384.8 |
| 167.5° | 1362.9 | 1366.0 |
| 170° | 1358.8 | 1358.8 |
| 172.5° | 1348.2 | 1345.5 |
| 175° | 1341.8 | 1341.8 |
| 177.5° | 1336.1 | 1332.9 |
| 180° | 1332.9 | 1332.9 |



TEST NUMBER: P938442
 CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-6500K

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 | 3.89 | 4.65 | 4.96 | 5.73 | 7.20 | 17.05 | 17.81 | 18.12 | 18.89 | 20.37 |
| | 3H | 4.59 | 5.27 | 5.67 | 6.36 | 7.85 | 18.88 | 19.56 | 19.96 | 20.65 | 22.14 |
| | 4H | 4.88 | 5.53 | 5.97 | 6.62 | 8.11 | 19.52 | 20.16 | 20.61 | 21.25 | 22.75 |
| | 6H | 5.12 | 5.72 | 6.23 | 6.81 | 8.32 | 19.94 | 20.53 | 21.04 | 21.63 | 23.14 |
| | 8H | 5.19 | 5.76 | 6.30 | 6.87 | 8.37 | 20.05 | 20.62 | 21.16 | 21.73 | 23.23 |
| | 12H | 5.20 | 5.74 | 6.31 | 6.85 | 8.37 | 20.11 | 20.66 | 21.23 | 21.76 | 23.28 |
| 4H | 2H | 11.08 | 11.73 | 12.18 | 12.82 | 14.32 | 17.31 | 17.96 | 18.41 | 19.05 | 20.55 |
| | 3H | 12.64 | 13.18 | 13.75 | 14.30 | 15.81 | 19.35 | 19.89 | 20.45 | 21.00 | 22.51 |
| | 4H | 12.73 | 13.23 | 13.84 | 14.33 | 15.87 | 20.10 | 20.60 | 21.22 | 21.71 | 23.24 |
| | 6H | 12.74 | 13.16 | 13.86 | 14.29 | 15.82 | 20.63 | 21.06 | 21.75 | 22.19 | 23.71 |
| | 8H | 12.71 | 13.11 | 13.83 | 14.23 | 15.77 | 20.79 | 21.19 | 21.91 | 22.31 | 23.85 |
| | 12H | 12.66 | 13.03 | 13.80 | 14.16 | 15.70 | 20.88 | 21.24 | 22.01 | 22.37 | 23.92 |
| 8H | 4H | 14.16 | 14.56 | 15.28 | 15.68 | 17.22 | 20.16 | 20.56 | 21.28 | 21.68 | 23.22 |
| | 6H | 14.40 | 14.73 | 15.54 | 15.89 | 17.43 | 20.78 | 21.11 | 21.92 | 22.27 | 23.81 |
| | 8H | 14.42 | 14.71 | 15.57 | 15.85 | 17.41 | 20.99 | 21.28 | 22.14 | 22.42 | 23.98 |
| | 12H | 14.38 | 14.64 | 15.53 | 15.78 | 17.37 | 21.13 | 21.38 | 22.28 | 22.52 | 24.11 |
| 12H | 4H | 14.30 | 14.66 | 15.44 | 15.80 | 17.34 | 20.10 | 20.47 | 21.24 | 21.60 | 23.14 |
| | 6H | 14.66 | 14.95 | 15.80 | 16.09 | 17.65 | 20.76 | 21.05 | 21.91 | 22.19 | 23.75 |
| | 8H | 14.72 | 14.98 | 15.87 | 16.12 | 17.71 | 20.98 | 21.24 | 22.13 | 22.38 | 23.97 |