

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: P938440

Luminaire Tested: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938440
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-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

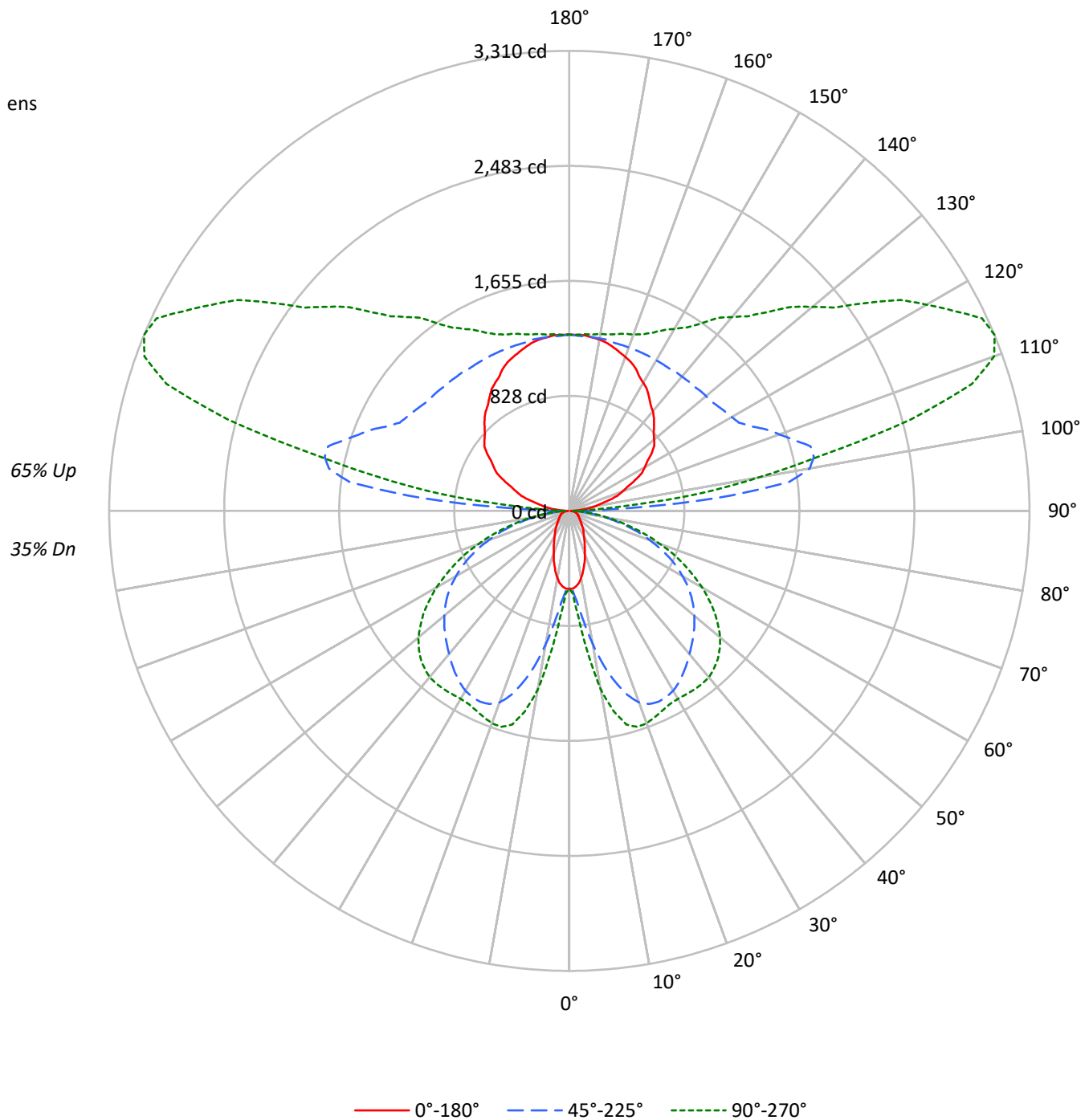
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12562.1 lumens
Efficiency: N/A
Efficacy: 115.7 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: P938440
CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P938440

CATALOG NUMBER: SQ4-FB-150U-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 | 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° | 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: P938440

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 72.5 | 0.6 |
| 10°-20° | 321.4 | 2.6 |
| 20°-30° | 562.2 | 4.5 |
| 30°-40° | 723.7 | 5.8 |
| 40°-50° | 808.4 | 6.4 |
| 50°-60° | 774.2 | 6.2 |
| 60°-70° | 613.6 | 4.9 |
| 70°-80° | 360.8 | 2.9 |
| 80°-90° | 105.1 | 0.8 |
| 90°-100° | 618.1 | 4.9 |
| 100°-110° | 1625.0 | 12.9 |
| 110°-120° | 1685.0 | 13.4 |
| 120°-130° | 1351.5 | 10.8 |
| 130°-140° | 1060.5 | 8.4 |
| 140°-150° | 814.0 | 6.5 |
| 150°-160° | 586.2 | 4.7 |
| 160°-170° | 358.7 | 2.9 |
| 170°-180° | 121.2 | 1.0 |
| 0°-30° | 956.2 | 7.6 |
| 0°-40° | 1679.9 | 13.4 |
| 0°-60° | 3262.5 | 26.0 |
| 0°-90° | 4342.0 | 34.6 |
| 90°-120° | 3928.1 | 31.3 |
| 90°-150° | 7154.1 | 56.9 |
| 90°-180° | 8220.0 | 65.4 |
| 0°-180° | 12562.1 | 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° | 9 | 24 | 65 | 32 | 32 | 8 |
| 95° | 82 | 320 | 1065 | 549 | 374 | 91 |
| 105° | 293 | 443 | 1796 | 2728 | 2544 | 310 |
| 115° | 520 | 632 | 1439 | 2870 | 3276 | 514 |
| 125° | 723 | 811 | 1309 | 2212 | 2609 | 642 |
| 135° | 862 | 949 | 1268 | 1785 | 2025 | 667 |
| 145° | 1000 | 1064 | 1252 | 1523 | 1642 | 626 |
| 155° | 1130 | 1162 | 1252 | 1374 | 1414 | 519 |
| 165° | 1220 | 1236 | 1252 | 1301 | 1317 | 344 |
| 175° | 1268 | 1268 | 1260 | 1276 | 1276 | 120 |
| 180° | 1268 | 1268 | 1268 | 1268 | 1268 | |



TEST NUMBER: P938440

CATALOG NUMBER: SQ4-FB-150U-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° | 8.6 | 15.4 | 22.1 | 23.8 | 37.5 | 55.6 | 64.7 | 57.5 | 43.1 | 32.4 | 32.4 |
| 92.5° | 34.0 | 91.9 | 149.8 | 164.3 | 231.0 | 319.8 | 364.2 | 319.2 | 229.2 | 161.7 | 155.3 |
| 95° | 81.7 | 187.6 | 293.5 | 320.0 | 568.3 | 899.2 | 1064.6 | 950.0 | 720.8 | 548.9 | 529.4 |
| 97.5° | 141.3 | 234.7 | 328.1 | 351.5 | 765.4 | 1317.2 | 1593.1 | 1520.7 | 1375.8 | 1267.2 | 1230.1 |
| 100° | 187.2 | 272.0 | 356.7 | 377.9 | 837.1 | 1449.5 | 1755.7 | 1761.0 | 1771.6 | 1779.5 | 1735.4 |
| 102.5° | 226.4 | 305.5 | 384.5 | 404.2 | 870.1 | 1491.1 | 1801.6 | 1893.9 | 2078.4 | 2216.9 | 2179.0 |
| 105° | 292.7 | 359.7 | 426.6 | 443.4 | 894.4 | 1495.8 | 1796.5 | 2003.4 | 2417.2 | 2727.5 | 2707.2 |
| 107.5° | 360.9 | 423.3 | 485.7 | 501.2 | 898.9 | 1429.2 | 1694.4 | 1983.0 | 2560.2 | 2993.1 | 2998.0 |
| 110° | 406.8 | 463.2 | 519.5 | 533.6 | 892.2 | 1370.2 | 1609.2 | 1931.9 | 2577.2 | 3061.1 | 3082.3 |



TEST NUMBER: P938440

CATALOG NUMBER: SQ4-FB-150U-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° | 451.9 | 505.6 | 559.2 | 572.7 | 892.4 | 1318.7 | 1531.8 | 1862.0 | 2522.4 | 3017.7 | 3050.3 |
| 115° | 519.9 | 569.5 | 619.1 | 631.5 | 900.6 | 1259.6 | 1439.0 | 1757.1 | 2393.3 | 2870.5 | 2915.6 |
| 117.5° | 587.2 | 632.2 | 677.2 | 688.5 | 917.5 | 1222.6 | 1375.3 | 1662.4 | 2236.4 | 2667.1 | 2717.1 |
| 120° | 626.4 | 668.8 | 711.2 | 721.7 | 931.0 | 1210.2 | 1349.7 | 1612.1 | 2136.6 | 2530.1 | 2578.6 |
| 122.5° | 664.7 | 707.4 | 750.2 | 760.8 | 950.6 | 1203.6 | 1330.2 | 1566.4 | 2038.8 | 2393.1 | 2441.0 |
| 125° | 723.3 | 762.3 | 801.3 | 811.0 | 977.0 | 1198.3 | 1308.9 | 1509.5 | 1910.8 | 2211.8 | 2255.9 |
| 127.5° | 771.0 | 810.3 | 849.7 | 859.5 | 1003.3 | 1195.1 | 1291.0 | 1463.2 | 1807.8 | 2066.2 | 2103.5 |
| 130° | 796.6 | 839.0 | 881.3 | 891.9 | 1022.7 | 1197.1 | 1284.2 | 1437.6 | 1744.3 | 1974.4 | 2008.8 |
| 132.5° | 822.9 | 865.3 | 907.7 | 918.3 | 1038.3 | 1198.3 | 1278.2 | 1415.5 | 1690.1 | 1896.0 | 1926.9 |
| 135° | 862.1 | 900.6 | 939.3 | 948.9 | 1055.3 | 1197.1 | 1268.0 | 1383.0 | 1613.0 | 1785.4 | 1812.0 |
| 137.5° | 902.1 | 940.3 | 978.5 | 988.0 | 1080.8 | 1204.5 | 1266.3 | 1363.5 | 1557.9 | 1703.8 | 1725.5 |
| 140° | 935.3 | 970.5 | 1005.6 | 1014.4 | 1096.4 | 1205.7 | 1260.4 | 1344.4 | 1512.3 | 1638.3 | 1658.5 |
| 142.5° | 960.8 | 993.3 | 1025.9 | 1034.0 | 1109.5 | 1210.1 | 1260.4 | 1334.2 | 1481.6 | 1592.2 | 1609.7 |
| 145° | 1000.0 | 1028.3 | 1056.7 | 1063.8 | 1126.5 | 1210.1 | 1251.8 | 1312.2 | 1432.9 | 1523.4 | 1536.6 |
| 147.5° | 1039.1 | 1066.7 | 1094.3 | 1101.2 | 1151.4 | 1218.4 | 1251.8 | 1299.3 | 1394.2 | 1465.4 | 1476.4 |
| 150° | 1064.6 | 1089.6 | 1114.5 | 1120.8 | 1164.4 | 1222.7 | 1251.8 | 1292.0 | 1372.1 | 1432.2 | 1441.1 |
| 152.5° | 1091.0 | 1109.9 | 1128.9 | 1133.6 | 1173.0 | 1225.6 | 1251.8 | 1286.0 | 1354.5 | 1405.8 | 1412.6 |
| 155° | 1130.1 | 1144.1 | 1158.1 | 1161.6 | 1191.7 | 1231.8 | 1251.8 | 1279.0 | 1333.5 | 1374.4 | 1378.8 |
| 157.5° | 1159.1 | 1172.7 | 1186.3 | 1189.7 | 1210.5 | 1238.0 | 1251.8 | 1273.0 | 1315.4 | 1347.2 | 1350.3 |
| 160° | 1178.7 | 1189.3 | 1199.8 | 1202.4 | 1218.9 | 1240.8 | 1251.8 | 1270.0 | 1306.3 | 1333.5 | 1335.3 |
| 162.5° | 1198.3 | 1206.2 | 1214.1 | 1216.1 | 1228.0 | 1243.9 | 1251.8 | 1267.1 | 1297.8 | 1320.8 | 1322.5 |
| 165° | 1219.6 | 1226.7 | 1233.8 | 1235.7 | 1241.0 | 1248.2 | 1251.8 | 1262.8 | 1284.8 | 1301.2 | 1303.1 |
| 167.5° | 1239.1 | 1242.5 | 1245.9 | 1246.7 | 1251.3 | 1257.4 | 1260.4 | 1267.6 | 1282.0 | 1292.7 | 1293.4 |
| 170° | 1251.8 | 1255.2 | 1258.7 | 1259.5 | 1259.8 | 1260.2 | 1260.4 | 1267.6 | 1282.0 | 1292.7 | 1292.7 |
| 172.5° | 1258.7 | 1259.4 | 1260.2 | 1260.4 | 1260.4 | 1260.4 | 1260.4 | 1266.0 | 1277.4 | 1285.9 | 1285.2 |
| 175° | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1265.5 | 1262.1 | 1260.4 | 1263.9 | 1271.1 | 1276.5 | 1276.5 |
| 177.5° | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1266.0 | 1263.4 | 1262.0 | 1264.9 | 1270.6 | 1274.9 | 1274.1 |
| 180° | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 | 1268.0 |



TEST NUMBER: P938440

CATALOG NUMBER: SQ4-FB-150U-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° | 32.4 | 32.4 |
| 92.5° | 129.5 | 103.8 |
| 95° | 451.5 | 373.6 |
| 97.5° | 1081.8 | 933.6 |
| 100° | 1558.8 | 1382.1 |
| 102.5° | 2027.8 | 1876.5 |
| 105° | 2625.8 | 2544.5 |
| 107.5° | 3017.6 | 3037.3 |
| 110° | 3167.0 | 3251.8 |



TEST NUMBER: P938440

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3180.4 | 3310.4 |
| 115° | 3095.9 | 3276.4 |
| 117.5° | 2917.2 | 3117.3 |
| 120° | 2773.1 | 2967.5 |
| 122.5° | 2632.8 | 2824.5 |
| 125° | 2432.6 | 2609.2 |
| 127.5° | 2252.5 | 2401.6 |
| 130° | 2146.5 | 2284.1 |
| 132.5° | 2050.1 | 2173.5 |
| 135° | 1918.3 | 2024.6 |
| 137.5° | 1812.5 | 1899.5 |
| 140° | 1739.9 | 1821.2 |
| 142.5° | 1679.7 | 1749.7 |
| 145° | 1589.5 | 1642.4 |
| 147.5° | 1520.3 | 1564.2 |
| 150° | 1476.7 | 1512.3 |
| 152.5° | 1439.4 | 1466.3 |
| 155° | 1396.6 | 1414.4 |
| 157.5° | 1362.8 | 1375.3 |
| 160° | 1342.5 | 1349.7 |
| 162.5° | 1329.3 | 1336.1 |
| 165° | 1310.2 | 1317.3 |
| 167.5° | 1296.5 | 1299.5 |
| 170° | 1292.7 | 1292.7 |
| 172.5° | 1282.6 | 1280.0 |
| 175° | 1276.5 | 1276.5 |
| 177.5° | 1271.0 | 1268.0 |
| 180° | 1268.0 | 1268.0 |



TEST NUMBER: P938440

CATALOG NUMBER: SQ4-FB-150U-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 | 3.72 | 4.48 | 4.79 | 5.56 | 7.03 | 16.88 | 17.64 | 17.95 | 18.72 | 20.19 |
| | 3H | 4.41 | 5.10 | 5.49 | 6.18 | 7.67 | 18.71 | 19.39 | 19.79 | 20.48 | 21.97 |
| | 4H | 4.71 | 5.36 | 5.80 | 6.44 | 7.94 | 19.34 | 19.99 | 20.44 | 21.08 | 22.58 |
| | 6H | 4.95 | 5.55 | 6.05 | 6.64 | 8.15 | 19.76 | 20.36 | 20.87 | 21.45 | 22.96 |
| | 8H | 5.02 | 5.59 | 6.12 | 6.69 | 8.20 | 19.88 | 20.45 | 20.99 | 21.56 | 23.06 |
| | 12H | 5.03 | 5.57 | 6.14 | 6.67 | 8.20 | 19.94 | 20.48 | 21.05 | 21.58 | 23.11 |
| 4H | 2H | 10.91 | 11.56 | 12.01 | 12.65 | 14.14 | 17.14 | 17.79 | 18.24 | 18.88 | 20.38 |
| | 3H | 12.47 | 13.01 | 13.57 | 14.13 | 15.64 | 19.17 | 19.72 | 20.28 | 20.83 | 22.34 |
| | 4H | 12.56 | 13.06 | 13.67 | 14.16 | 15.69 | 19.93 | 20.43 | 21.04 | 21.54 | 23.07 |
| | 6H | 12.56 | 12.99 | 13.68 | 14.12 | 15.64 | 20.46 | 20.89 | 21.58 | 22.02 | 23.54 |
| | 8H | 12.54 | 12.94 | 13.66 | 14.06 | 15.60 | 20.62 | 21.02 | 21.74 | 22.14 | 23.68 |
| | 12H | 12.49 | 12.85 | 13.63 | 13.98 | 15.53 | 20.70 | 21.07 | 21.84 | 22.20 | 23.74 |
| 8H | 4H | 13.99 | 14.39 | 15.11 | 15.51 | 17.05 | 19.98 | 20.38 | 21.10 | 21.50 | 23.04 |
| | 6H | 14.23 | 14.56 | 15.37 | 15.72 | 17.26 | 20.60 | 20.94 | 21.74 | 22.10 | 23.63 |
| | 8H | 14.24 | 14.53 | 15.39 | 15.68 | 17.23 | 20.82 | 21.11 | 21.97 | 22.25 | 23.81 |
| | 12H | 14.21 | 14.46 | 15.36 | 15.60 | 17.19 | 20.96 | 21.21 | 22.11 | 22.35 | 23.94 |
| 12H | 4H | 14.13 | 14.49 | 15.26 | 15.62 | 17.17 | 19.93 | 20.29 | 21.07 | 21.43 | 22.97 |
| | 6H | 14.48 | 14.77 | 15.63 | 15.92 | 17.47 | 20.59 | 20.88 | 21.73 | 22.02 | 23.57 |
| | 8H | 14.55 | 14.80 | 15.70 | 15.94 | 17.53 | 20.81 | 21.06 | 21.96 | 22.20 | 23.79 |