

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: P938437

Luminaire Tested: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938437
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-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

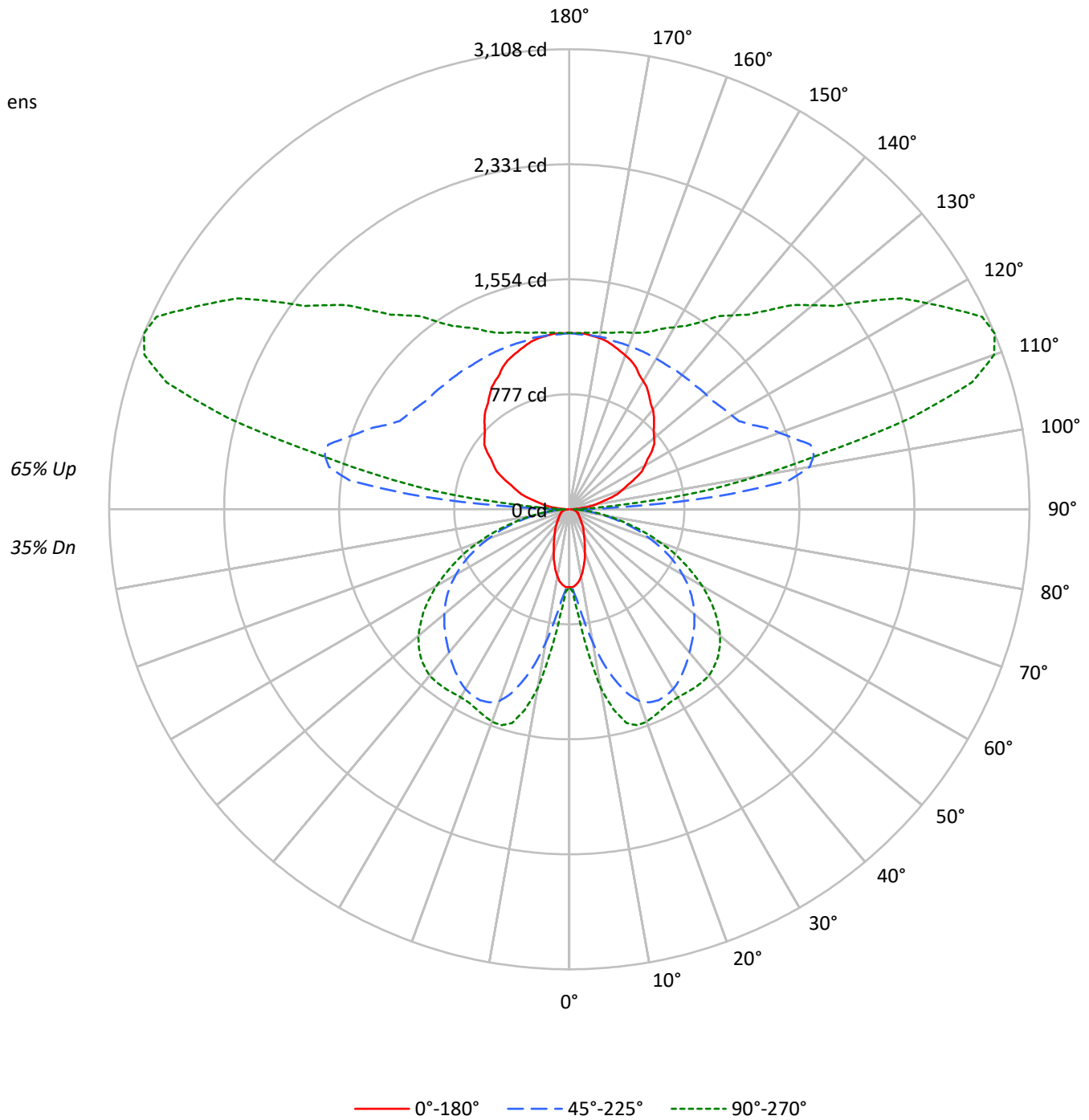
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11795.6 lumens
Efficiency: N/A
Efficacy: 108.6 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 (A_{in}): 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: P938437
CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P938437

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-2700K

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 | 0 |
| 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° | 3256 | 3256 | 3256 |
| 5° | 3180 | 3763 | 4377 |
| 10° | 2884 | 5484 | 7257 |
| 15° | 2450 | 7163 | 8762 |
| 20° | 1994 | 8299 | 8930 |
| 25° | 1663 | 8682 | 8749 |
| 30° | 1402 | 8734 | 8733 |
| 35° | 1238 | 8587 | 8959 |
| 40° | 1078 | 8396 | 9192 |
| 45° | 976 | 8256 | 9228 |
| 50° | 895 | 8129 | 9075 |
| 55° | 855 | 7944 | 8672 |
| 60° | 875 | 7592 | 8037 |
| 65° | 909 | 7058 | 7164 |
| 70° | 967 | 6151 | 6053 |
| 75° | 1067 | 5010 | 4723 |
| 80° | 1155 | 3470 | 3183 |
| 85° | 1008 | 1839 | 1629 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9228 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 68.1 | 0.6 |
| 10°-20° | 301.8 | 2.6 |
| 20°-30° | 527.9 | 4.5 |
| 30°-40° | 679.6 | 5.8 |
| 40°-50° | 759.1 | 6.4 |
| 50°-60° | 727.0 | 6.2 |
| 60°-70° | 576.1 | 4.9 |
| 70°-80° | 338.8 | 2.9 |
| 80°-90° | 98.7 | 0.8 |
| 90°-100° | 580.4 | 4.9 |
| 100°-110° | 1525.8 | 12.9 |
| 110°-120° | 1582.1 | 13.4 |
| 120°-130° | 1269.1 | 10.8 |
| 130°-140° | 995.8 | 8.4 |
| 140°-150° | 764.3 | 6.5 |
| 150°-160° | 550.4 | 4.7 |
| 160°-170° | 336.8 | 2.9 |
| 170°-180° | 113.8 | 1.0 |
| 0°-30° | 897.8 | 7.6 |
| 0°-40° | 1577.4 | 13.4 |
| 0°-60° | 3063.4 | 26.0 |
| 0°-90° | 4077.1 | 34.6 |
| 90°-120° | 3688.4 | 31.3 |
| 90°-150° | 6717.5 | 56.9 |
| 90°-180° | 7719.0 | 65.4 |
| 0°-180° | 11795.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 526 | 526 | 526 | 526 | 526 | |
| 5° | 513 | 550 | 620 | 701 | 726 | 47 |
| 15° | 384 | 709 | 1195 | 1449 | 1495 | 107 |
| 25° | 246 | 804 | 1424 | 1486 | 1488 | 113 |
| 35° | 166 | 768 | 1341 | 1417 | 1473 | 104 |
| 45° | 113 | 613 | 1185 | 1358 | 1418 | 88 |
| 55° | 81 | 389 | 1006 | 1168 | 1200 | 74 |
| 65° | 64 | 206 | 746 | 840 | 851 | 64 |
| 75° | 47 | 127 | 410 | 450 | 452 | 50 |
| 85° | 17 | 39 | 102 | 112 | 113 | 18 |
| 90° | 8 | 22 | 61 | 30 | 30 | 8 |
| 95° | 77 | 300 | 1000 | 515 | 351 | 85 |
| 105° | 275 | 416 | 1687 | 2561 | 2389 | 291 |
| 115° | 488 | 593 | 1351 | 2695 | 3076 | 482 |
| 125° | 679 | 762 | 1229 | 2077 | 2450 | 603 |
| 135° | 810 | 891 | 1191 | 1676 | 1901 | 626 |
| 145° | 939 | 999 | 1176 | 1430 | 1542 | 588 |
| 155° | 1061 | 1091 | 1176 | 1290 | 1328 | 488 |
| 165° | 1145 | 1160 | 1176 | 1222 | 1237 | 323 |
| 175° | 1191 | 1191 | 1184 | 1199 | 1199 | 113 |
| 180° | 1191 | 1191 | 1191 | 1191 | 1191 | |



TEST NUMBER: P938437

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 |
| 2.5° | 526.4 | 526.4 | 529.8 | 531.5 | 534.9 | 536.6 | 540.0 | 543.4 | 553.5 | 555.2 | 558.6 |
| 5° | 512.9 | 519.7 | 541.7 | 550.1 | 573.8 | 606.0 | 619.5 | 641.5 | 687.2 | 700.8 | 709.3 |
| 7.5° | 492.6 | 507.8 | 562.0 | 575.5 | 634.8 | 719.4 | 755.0 | 802.4 | 875.1 | 910.7 | 939.5 |
| 10° | 460.4 | 492.6 | 589.1 | 621.2 | 717.7 | 846.4 | 912.4 | 978.4 | 1088.4 | 1137.5 | 1156.1 |
| 12.5° | 424.8 | 477.4 | 617.9 | 661.9 | 800.7 | 988.6 | 1068.1 | 1140.9 | 1266.2 | 1332.2 | 1342.3 |
| 15° | 384.3 | 455.3 | 645.0 | 709.3 | 888.6 | 1107.0 | 1195.1 | 1284.8 | 1401.5 | 1448.9 | 1460.8 |
| 17.5° | 348.7 | 438.4 | 670.3 | 738.1 | 956.4 | 1213.7 | 1303.4 | 1377.9 | 1472.7 | 1504.8 | 1513.3 |
| 20° | 304.7 | 411.3 | 687.2 | 775.3 | 1027.5 | 1291.5 | 1377.9 | 1435.4 | 1499.8 | 1520.1 | 1523.4 |
| 22.5° | 272.6 | 382.6 | 697.4 | 788.8 | 1074.8 | 1338.9 | 1411.7 | 1457.4 | 1501.5 | 1508.2 | 1509.9 |
| 25° | 245.5 | 350.4 | 695.7 | 804.1 | 1115.5 | 1367.7 | 1423.6 | 1457.4 | 1482.9 | 1486.2 | 1486.2 |
| 27.5° | 220.0 | 314.8 | 688.9 | 807.4 | 1146.0 | 1374.5 | 1418.5 | 1442.2 | 1454.1 | 1460.8 | 1460.8 |
| 30° | 198.1 | 281.0 | 672.0 | 800.7 | 1159.5 | 1367.7 | 1403.2 | 1415.1 | 1427.0 | 1437.1 | 1442.2 |
| 32.5° | 181.2 | 248.8 | 646.6 | 787.1 | 1161.2 | 1350.8 | 1376.2 | 1382.9 | 1399.8 | 1423.6 | 1432.0 |
| 35° | 165.9 | 216.7 | 617.9 | 768.5 | 1151.0 | 1323.7 | 1340.6 | 1347.4 | 1381.2 | 1416.8 | 1428.6 |
| 37.5° | 150.7 | 192.9 | 580.6 | 736.3 | 1135.8 | 1291.5 | 1303.4 | 1315.3 | 1367.7 | 1410.0 | 1423.6 |
| 40° | 135.4 | 172.6 | 536.6 | 700.8 | 1112.1 | 1252.6 | 1262.7 | 1281.4 | 1350.8 | 1399.8 | 1413.4 |
| 42.5° | 123.6 | 155.7 | 489.2 | 663.6 | 1081.7 | 1208.6 | 1223.8 | 1250.9 | 1330.5 | 1382.9 | 1398.2 |
| 45° | 113.4 | 138.8 | 438.4 | 612.8 | 1042.7 | 1162.9 | 1184.9 | 1222.2 | 1306.7 | 1357.6 | 1371.1 |
| 47.5° | 103.3 | 126.9 | 386.0 | 560.3 | 1000.4 | 1117.2 | 1146.0 | 1188.3 | 1274.6 | 1323.7 | 1335.5 |
| 50° | 94.8 | 115.1 | 333.5 | 504.4 | 954.7 | 1068.1 | 1102.0 | 1146.0 | 1234.0 | 1279.7 | 1294.9 |
| 52.5° | 88.1 | 105.0 | 284.3 | 448.6 | 902.2 | 1017.4 | 1056.2 | 1102.0 | 1184.9 | 1228.9 | 1239.1 |
| 55° | 81.2 | 96.5 | 242.1 | 389.3 | 848.1 | 963.1 | 1005.5 | 1049.5 | 1130.7 | 1167.9 | 1174.8 |
| 57.5° | 77.9 | 89.7 | 206.5 | 333.5 | 790.5 | 902.2 | 949.6 | 990.3 | 1066.4 | 1095.2 | 1102.0 |
| 60° | 72.8 | 84.6 | 179.5 | 286.0 | 727.9 | 844.6 | 885.3 | 925.9 | 990.3 | 1013.9 | 1019.0 |
| 62.5° | 67.7 | 81.2 | 159.1 | 240.4 | 663.6 | 776.9 | 817.6 | 854.8 | 909.0 | 925.9 | 932.7 |
| 65° | 64.3 | 77.9 | 143.9 | 206.5 | 597.5 | 705.9 | 746.5 | 778.6 | 822.7 | 839.6 | 842.9 |
| 67.5° | 60.9 | 74.5 | 132.0 | 177.7 | 531.5 | 634.8 | 665.2 | 695.7 | 729.6 | 746.5 | 748.2 |
| 70° | 55.9 | 71.1 | 121.9 | 157.4 | 463.8 | 553.5 | 578.9 | 611.0 | 638.1 | 646.6 | 651.7 |
| 72.5° | 52.4 | 66.0 | 115.1 | 142.2 | 394.4 | 475.7 | 499.3 | 517.9 | 541.7 | 550.1 | 550.1 |
| 75° | 47.4 | 59.3 | 108.3 | 126.9 | 323.3 | 389.3 | 409.6 | 428.3 | 446.9 | 450.3 | 445.2 |
| 77.5° | 42.3 | 52.4 | 93.1 | 106.7 | 252.2 | 308.1 | 325.0 | 335.2 | 350.4 | 353.8 | 355.5 |
| 80° | 35.5 | 45.7 | 72.8 | 82.9 | 182.8 | 226.9 | 238.6 | 247.1 | 260.7 | 260.7 | 264.1 |
| 82.5° | 27.1 | 35.5 | 52.4 | 59.3 | 123.6 | 155.7 | 165.9 | 171.0 | 179.5 | 179.5 | 179.5 |
| 85° | 16.9 | 22.0 | 33.8 | 38.9 | 74.5 | 94.8 | 101.6 | 103.3 | 110.0 | 111.7 | 111.7 |
| 87.5° | 8.5 | 11.9 | 22.0 | 23.7 | 38.9 | 49.1 | 49.1 | 52.4 | 52.4 | 50.8 | 49.1 |
| 90° | 8.0 | 14.4 | 20.8 | 22.4 | 35.2 | 52.2 | 60.7 | 54.0 | 40.5 | 30.4 | 30.4 |
| 92.5° | 31.9 | 86.3 | 140.7 | 154.3 | 216.9 | 300.3 | 342.0 | 299.7 | 215.2 | 151.9 | 145.8 |
| 95° | 76.7 | 176.1 | 275.6 | 300.5 | 533.6 | 844.3 | 999.7 | 892.1 | 676.8 | 515.4 | 497.1 |
| 97.5° | 132.6 | 220.4 | 308.1 | 330.0 | 718.7 | 1236.9 | 1495.9 | 1427.9 | 1291.9 | 1189.9 | 1155.0 |
| 100° | 175.8 | 255.4 | 334.9 | 354.8 | 786.1 | 1361.1 | 1648.6 | 1653.5 | 1663.5 | 1670.9 | 1629.5 |
| 102.5° | 212.6 | 286.8 | 361.0 | 379.6 | 817.0 | 1400.1 | 1691.7 | 1778.3 | 1951.6 | 2081.6 | 2046.1 |
| 105° | 274.9 | 337.7 | 400.6 | 416.3 | 839.9 | 1404.5 | 1686.9 | 1881.1 | 2269.7 | 2561.1 | 2542.0 |
| 107.5° | 338.8 | 397.4 | 456.0 | 470.6 | 844.0 | 1342.0 | 1591.0 | 1862.0 | 2403.9 | 2810.4 | 2815.0 |
| 110° | 382.0 | 434.9 | 487.8 | 501.0 | 837.7 | 1286.6 | 1511.0 | 1814.0 | 2419.9 | 2874.3 | 2894.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 424.3 | 474.7 | 525.1 | 537.8 | 838.0 | 1238.2 | 1438.4 | 1748.4 | 2368.5 | 2833.6 | 2864.1 |
| 115° | 488.2 | 534.8 | 581.3 | 592.9 | 845.7 | 1182.7 | 1351.2 | 1649.9 | 2247.3 | 2695.3 | 2737.7 |
| 117.5° | 551.3 | 593.6 | 635.9 | 646.5 | 861.5 | 1148.0 | 1291.4 | 1560.9 | 2100.0 | 2504.3 | 2551.3 |
| 120° | 588.2 | 628.0 | 667.8 | 677.7 | 874.2 | 1136.3 | 1267.4 | 1513.7 | 2006.3 | 2375.7 | 2421.3 |
| 122.5° | 624.1 | 664.3 | 704.4 | 714.4 | 892.6 | 1130.2 | 1249.0 | 1470.8 | 1914.4 | 2247.0 | 2292.1 |
| 125° | 679.2 | 715.8 | 752.4 | 761.5 | 917.3 | 1125.1 | 1229.0 | 1417.4 | 1794.2 | 2076.8 | 2118.2 |
| 127.5° | 724.0 | 760.9 | 797.8 | 807.1 | 942.1 | 1122.2 | 1212.2 | 1374.0 | 1697.5 | 1940.2 | 1975.2 |
| 130° | 748.0 | 787.8 | 827.6 | 837.5 | 960.3 | 1124.0 | 1205.9 | 1349.9 | 1637.9 | 1853.9 | 1886.2 |
| 132.5° | 772.7 | 812.5 | 852.3 | 862.2 | 974.9 | 1125.1 | 1200.2 | 1329.1 | 1587.0 | 1780.3 | 1809.3 |
| 135° | 809.5 | 845.7 | 882.0 | 891.0 | 990.9 | 1124.0 | 1190.7 | 1298.6 | 1514.5 | 1676.5 | 1701.4 |
| 137.5° | 847.0 | 882.9 | 918.8 | 927.8 | 1014.9 | 1131.0 | 1189.0 | 1280.3 | 1462.9 | 1599.8 | 1620.2 |
| 140° | 878.2 | 911.3 | 944.2 | 952.5 | 1029.5 | 1132.1 | 1183.5 | 1262.3 | 1420.0 | 1538.3 | 1557.3 |
| 142.5° | 902.1 | 932.7 | 963.3 | 970.9 | 1041.8 | 1136.2 | 1183.5 | 1252.7 | 1391.2 | 1495.1 | 1511.5 |
| 145° | 938.9 | 965.6 | 992.2 | 998.9 | 1057.8 | 1136.2 | 1175.5 | 1232.1 | 1345.4 | 1430.4 | 1442.8 |
| 147.5° | 975.7 | 1001.6 | 1027.5 | 1034.0 | 1081.2 | 1144.0 | 1175.5 | 1220.0 | 1309.1 | 1376.0 | 1386.3 |
| 150° | 999.7 | 1023.1 | 1046.5 | 1052.4 | 1093.4 | 1148.1 | 1175.5 | 1213.1 | 1288.4 | 1344.8 | 1353.2 |
| 152.5° | 1024.4 | 1042.2 | 1060.0 | 1064.4 | 1101.4 | 1150.8 | 1175.5 | 1207.6 | 1271.9 | 1320.1 | 1326.4 |
| 155° | 1061.2 | 1074.3 | 1087.5 | 1090.7 | 1119.0 | 1156.7 | 1175.5 | 1201.0 | 1252.2 | 1290.5 | 1294.7 |
| 157.5° | 1088.3 | 1101.1 | 1114.0 | 1117.1 | 1136.6 | 1162.5 | 1175.5 | 1195.4 | 1235.2 | 1265.0 | 1267.9 |
| 160° | 1106.8 | 1116.7 | 1126.6 | 1129.1 | 1144.5 | 1165.1 | 1175.5 | 1192.5 | 1226.6 | 1252.2 | 1253.9 |
| 162.5° | 1125.1 | 1132.6 | 1140.0 | 1141.9 | 1153.1 | 1168.0 | 1175.5 | 1189.8 | 1218.6 | 1240.2 | 1241.8 |
| 165° | 1145.1 | 1151.9 | 1158.5 | 1160.2 | 1165.3 | 1172.0 | 1175.5 | 1185.8 | 1206.4 | 1221.8 | 1223.5 |
| 167.5° | 1163.5 | 1166.7 | 1169.9 | 1170.7 | 1174.9 | 1180.7 | 1183.5 | 1190.2 | 1203.7 | 1213.8 | 1214.5 |
| 170° | 1175.5 | 1178.6 | 1181.9 | 1182.6 | 1182.9 | 1183.3 | 1183.5 | 1190.2 | 1203.7 | 1213.8 | 1213.8 |
| 172.5° | 1181.9 | 1182.5 | 1183.3 | 1183.5 | 1183.5 | 1183.5 | 1183.5 | 1188.8 | 1199.5 | 1207.4 | 1206.8 |
| 175° | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1188.3 | 1185.1 | 1183.5 | 1186.8 | 1193.6 | 1198.6 | 1198.6 |
| 177.5° | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1188.8 | 1186.3 | 1185.0 | 1187.7 | 1193.0 | 1197.1 | 1196.4 |
| 180° | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1190.7 | 1190.7 |



TEST NUMBER: P938437

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 526.4 | 526.4 |
| 2.5° | 562.0 | 558.6 |
| 5° | 722.8 | 726.2 |
| 7.5° | 973.3 | 971.7 |
| 10° | 1210.3 | 1225.5 |
| 12.5° | 1382.9 | 1386.3 |
| 15° | 1487.9 | 1494.6 |
| 17.5° | 1528.5 | 1530.2 |
| 20° | 1530.2 | 1526.8 |
| 22.5° | 1511.6 | 1508.2 |
| 25° | 1489.6 | 1487.9 |
| 27.5° | 1469.3 | 1471.0 |
| 30° | 1460.8 | 1465.9 |
| 32.5° | 1460.8 | 1469.3 |
| 35° | 1464.2 | 1472.7 |
| 37.5° | 1462.5 | 1472.7 |
| 40° | 1455.7 | 1467.6 |
| 42.5° | 1437.1 | 1445.6 |
| 45° | 1408.4 | 1418.5 |
| 47.5° | 1371.1 | 1377.9 |
| 50° | 1323.7 | 1330.5 |
| 52.5° | 1264.5 | 1266.2 |
| 55° | 1193.4 | 1200.1 |
| 57.5° | 1117.2 | 1118.9 |
| 60° | 1032.6 | 1037.6 |
| 62.5° | 942.9 | 942.9 |
| 65° | 848.1 | 851.4 |
| 67.5° | 749.8 | 758.3 |
| 70° | 650.0 | 651.7 |
| 72.5° | 551.9 | 551.9 |
| 75° | 450.3 | 451.9 |
| 77.5° | 353.8 | 353.8 |
| 80° | 262.4 | 264.1 |
| 82.5° | 181.2 | 184.5 |
| 85° | 113.4 | 113.4 |
| 87.5° | 52.4 | 47.4 |
| 90° | 30.4 | 30.4 |
| 92.5° | 121.6 | 97.5 |
| 95° | 423.9 | 350.8 |
| 97.5° | 1015.8 | 876.6 |
| 100° | 1463.6 | 1297.8 |
| 102.5° | 1904.0 | 1762.0 |
| 105° | 2465.6 | 2389.3 |
| 107.5° | 2833.5 | 2851.9 |
| 110° | 2973.7 | 3053.3 |



TEST NUMBER: P938437

CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2986.3 | 3108.4 |
| 115° | 2907.0 | 3076.5 |
| 117.5° | 2739.2 | 2927.1 |
| 120° | 2603.9 | 2786.4 |
| 122.5° | 2472.1 | 2652.2 |
| 125° | 2284.1 | 2450.0 |
| 127.5° | 2115.1 | 2255.1 |
| 130° | 2015.5 | 2144.7 |
| 132.5° | 1925.0 | 2040.9 |
| 135° | 1801.3 | 1901.0 |
| 137.5° | 1701.9 | 1783.6 |
| 140° | 1633.7 | 1710.0 |
| 142.5° | 1577.2 | 1642.9 |
| 145° | 1492.5 | 1542.2 |
| 147.5° | 1427.5 | 1468.8 |
| 150° | 1386.6 | 1420.0 |
| 152.5° | 1351.6 | 1376.9 |
| 155° | 1311.3 | 1328.1 |
| 157.5° | 1279.7 | 1291.4 |
| 160° | 1260.6 | 1267.4 |
| 162.5° | 1248.1 | 1254.5 |
| 165° | 1230.2 | 1236.9 |
| 167.5° | 1217.4 | 1220.2 |
| 170° | 1213.8 | 1213.8 |
| 172.5° | 1204.3 | 1201.8 |
| 175° | 1198.6 | 1198.6 |
| 177.5° | 1193.5 | 1190.7 |
| 180° | 1190.7 | 1190.7 |



TEST NUMBER: P938437
 CATALOG NUMBER: SQ4-FB-150U-100D-92765-1D-UNV-STD-W-6-2700K

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 | 3.49 | 4.26 | 4.57 | 5.33 | 6.81 | 16.66 | 17.42 | 17.73 | 18.50 | 19.97 |
| | 3H | 4.19 | 4.88 | 5.27 | 5.96 | 7.45 | 18.49 | 19.17 | 19.57 | 20.26 | 21.75 |
| | 4H | 4.49 | 5.14 | 5.58 | 6.22 | 7.72 | 19.12 | 19.77 | 20.22 | 20.86 | 22.36 |
| | 6H | 4.73 | 5.33 | 5.83 | 6.42 | 7.93 | 19.54 | 20.14 | 20.65 | 21.23 | 22.74 |
| | 8H | 4.80 | 5.37 | 5.90 | 6.47 | 7.98 | 19.66 | 20.23 | 20.77 | 21.34 | 22.84 |
| | 12H | 4.81 | 5.35 | 5.92 | 6.45 | 7.98 | 19.72 | 20.26 | 20.83 | 21.36 | 22.89 |
| 4H | 2H | 10.69 | 11.34 | 11.79 | 12.43 | 13.92 | 16.92 | 17.57 | 18.02 | 18.66 | 20.16 |
| | 3H | 12.25 | 12.79 | 13.36 | 13.91 | 15.42 | 18.95 | 19.50 | 20.06 | 20.61 | 22.12 |
| | 4H | 12.34 | 12.84 | 13.45 | 13.94 | 15.47 | 19.71 | 20.21 | 20.82 | 21.32 | 22.85 |
| | 6H | 12.34 | 12.77 | 13.46 | 13.90 | 15.42 | 20.24 | 20.67 | 21.36 | 21.80 | 23.32 |
| | 8H | 12.32 | 12.72 | 13.44 | 13.84 | 15.38 | 20.40 | 20.80 | 21.52 | 21.92 | 23.46 |
| | 12H | 12.27 | 12.63 | 13.41 | 13.76 | 15.31 | 20.48 | 20.85 | 21.62 | 21.98 | 23.52 |
| 8H | 4H | 13.77 | 14.17 | 14.89 | 15.29 | 16.83 | 19.76 | 20.17 | 20.88 | 21.28 | 22.82 |
| | 6H | 14.01 | 14.34 | 15.15 | 15.50 | 17.04 | 20.38 | 20.72 | 21.53 | 21.88 | 23.41 |
| | 8H | 14.03 | 14.32 | 15.17 | 15.46 | 17.01 | 20.60 | 20.89 | 21.75 | 22.03 | 23.59 |
| | 12H | 13.99 | 14.24 | 15.14 | 15.38 | 16.97 | 20.74 | 20.99 | 21.89 | 22.13 | 23.72 |
| 12H | 4H | 13.91 | 14.27 | 15.05 | 15.40 | 16.95 | 19.71 | 20.08 | 20.85 | 21.21 | 22.75 |
| | 6H | 14.27 | 14.56 | 15.41 | 15.70 | 17.25 | 20.37 | 20.66 | 21.51 | 21.80 | 23.36 |
| | 8H | 14.33 | 14.58 | 15.48 | 15.72 | 17.31 | 20.59 | 20.84 | 21.74 | 21.98 | 23.57 |