

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: P938343

Luminaire Tested: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938343
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-92765-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

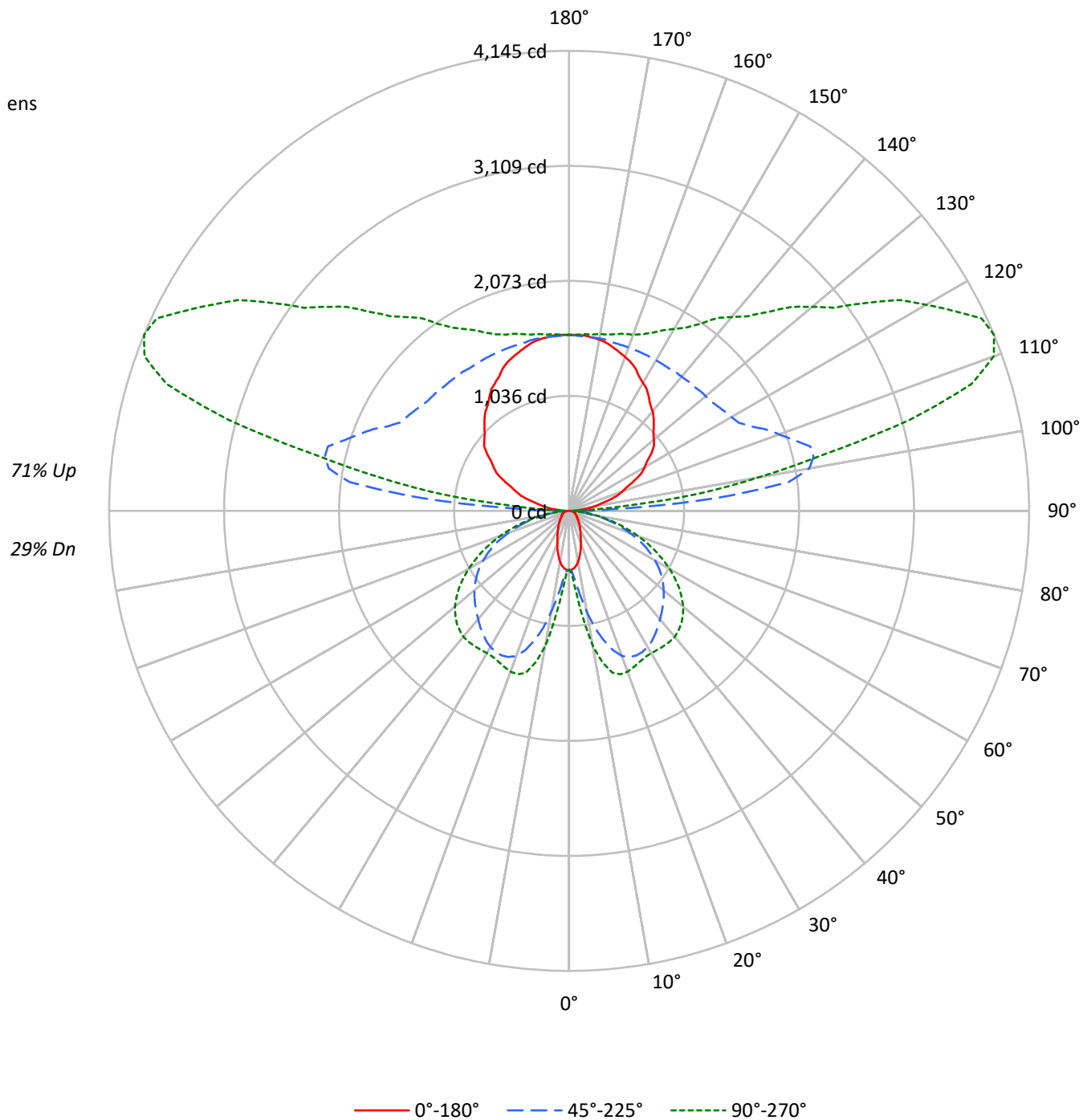
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14407.4 lumens
Efficiency: N/A
Efficacy: 113.3 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_{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: P938343
CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-8-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P938343

CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 36 | 36 | 36 | 29 |
| 1 | 93 | 88 | 84 | 81 | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 45 | 43 | 32 | 31 | 30 | 32 | 31 | 30 | 23 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 59 | 54 | 50 | 47 | 40 | 38 | 36 | 27 | 26 | 25 | 27 | 26 | 25 | 19 |
| 3 | 76 | 67 | 60 | 54 | 68 | 60 | 54 | 49 | 47 | 43 | 39 | 35 | 32 | 30 | 24 | 22 | 21 | 24 | 22 | 21 | 16 |
| 4 | 70 | 59 | 51 | 45 | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 17 | 21 | 19 | 17 | 13 |
| 5 | 64 | 52 | 44 | 38 | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 21 | 19 | 17 | 15 | 19 | 17 | 15 | 11 |
| 6 | 58 | 47 | 39 | 33 | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 18 | 17 | 15 | 13 | 17 | 15 | 13 | 10 |
| 7 | 54 | 42 | 34 | 28 | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 22 | 19 | 16 | 15 | 13 | 11 | 15 | 13 | 11 | 8 |
| 8 | 50 | 38 | 30 | 25 | 44 | 34 | 27 | 23 | 27 | 22 | 18 | 20 | 17 | 14 | 14 | 12 | 10 | 14 | 12 | 10 | 7 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 13 | 10 | 9 | 13 | 10 | 9 | 6 |
| 10 | 43 | 31 | 24 | 19 | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 13 | 11 | 12 | 9 | 8 | 12 | 9 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2465 | 2465 | 2465 |
| 5° | 2408 | 2849 | 3313 |
| 10° | 2184 | 4153 | 5493 |
| 15° | 1856 | 5426 | 6633 |
| 20° | 1511 | 6288 | 6760 |
| 25° | 1261 | 6580 | 6622 |
| 30° | 1063 | 6621 | 6610 |
| 35° | 940 | 6511 | 6781 |
| 40° | 819 | 6368 | 6957 |
| 45° | 742 | 6264 | 6985 |
| 50° | 681 | 6170 | 6869 |
| 55° | 652 | 6032 | 6565 |
| 60° | 668 | 5766 | 6084 |
| 65° | 694 | 5364 | 5423 |
| 70° | 740 | 4678 | 4581 |
| 75° | 819 | 3814 | 3575 |
| 80° | 896 | 2646 | 2409 |
| 85° | 796 | 1403 | 1234 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6985 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 68.7 | 0.5 |
| 10°-20° | 304.6 | 2.1 |
| 20°-30° | 532.8 | 3.7 |
| 30°-40° | 685.8 | 4.8 |
| 40°-50° | 766.1 | 5.3 |
| 50°-60° | 733.7 | 5.1 |
| 60°-70° | 581.4 | 4.0 |
| 70°-80° | 341.9 | 2.4 |
| 80°-90° | 101.1 | 0.7 |
| 90°-100° | 773.9 | 5.4 |
| 100°-110° | 2034.5 | 14.1 |
| 110°-120° | 2109.5 | 14.6 |
| 120°-130° | 1692.1 | 11.7 |
| 130°-140° | 1327.7 | 9.2 |
| 140°-150° | 1019.0 | 7.1 |
| 150°-160° | 733.9 | 5.1 |
| 160°-170° | 449.0 | 3.1 |
| 170°-180° | 151.7 | 1.1 |
| 0°-30° | 906.1 | 6.3 |
| 0°-40° | 1591.9 | 11.0 |
| 0°-60° | 3091.7 | 21.5 |
| 0°-90° | 4116.1 | 28.6 |
| 90°-120° | 4917.9 | 34.1 |
| 90°-150° | 8956.7 | 62.2 |
| 90°-180° | 10291.0 | 71.4 |
| 0°-180° | 14407.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 531 | 531 | 531 | 531 | 531 | |
| 5° | 518 | 555 | 625 | 707 | 733 | 48 |
| 15° | 388 | 716 | 1206 | 1462 | 1508 | 108 |
| 25° | 248 | 811 | 1437 | 1500 | 1502 | 114 |
| 35° | 167 | 776 | 1353 | 1430 | 1486 | 105 |
| 45° | 114 | 618 | 1196 | 1370 | 1432 | 89 |
| 55° | 82 | 393 | 1015 | 1179 | 1211 | 75 |
| 65° | 65 | 208 | 753 | 847 | 859 | 64 |
| 75° | 48 | 128 | 413 | 454 | 456 | 50 |
| 85° | 17 | 39 | 102 | 113 | 114 | 18 |
| 90° | 11 | 30 | 81 | 40 | 40 | 10 |
| 95° | 102 | 401 | 1333 | 687 | 468 | 114 |
| 105° | 366 | 555 | 2249 | 3415 | 3186 | 389 |
| 115° | 651 | 791 | 1802 | 3594 | 4102 | 643 |
| 125° | 906 | 1015 | 1639 | 2769 | 3267 | 804 |
| 135° | 1079 | 1188 | 1588 | 2235 | 2535 | 835 |
| 145° | 1252 | 1332 | 1567 | 1907 | 2056 | 784 |
| 155° | 1415 | 1454 | 1567 | 1721 | 1771 | 650 |
| 165° | 1527 | 1547 | 1567 | 1629 | 1649 | 431 |
| 175° | 1588 | 1588 | 1578 | 1598 | 1598 | 151 |
| 180° | 1588 | 1588 | 1588 | 1588 | 1588 | |



TEST NUMBER: P938343

CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 531.3 | 531.3 | 531.3 | 531.3 | 531.3 | 531.3 | 531.3 | 531.3 | 531.3 | 531.3 | 531.3 |
| 2.5° | 531.3 | 531.3 | 534.7 | 536.4 | 539.8 | 541.5 | 544.9 | 548.4 | 558.6 | 560.3 | 563.7 |
| 5° | 517.6 | 524.4 | 546.6 | 555.2 | 579.1 | 611.6 | 625.2 | 647.4 | 693.6 | 707.2 | 715.8 |
| 7.5° | 497.1 | 512.5 | 567.1 | 580.8 | 640.6 | 726.0 | 761.9 | 809.7 | 883.2 | 919.0 | 948.1 |
| 10° | 464.6 | 497.1 | 594.5 | 626.9 | 724.3 | 854.1 | 920.7 | 987.5 | 1098.5 | 1148.0 | 1166.8 |
| 12.5° | 428.8 | 481.7 | 623.5 | 667.9 | 808.0 | 997.7 | 1078.0 | 1151.4 | 1277.9 | 1344.5 | 1354.7 |
| 15° | 387.8 | 459.5 | 650.8 | 715.8 | 896.8 | 1117.3 | 1206.1 | 1296.7 | 1414.5 | 1462.4 | 1474.3 |
| 17.5° | 351.9 | 442.4 | 676.5 | 744.8 | 965.2 | 1224.9 | 1315.4 | 1390.6 | 1486.3 | 1518.7 | 1527.3 |
| 20° | 307.5 | 415.1 | 693.6 | 782.4 | 1037.0 | 1303.5 | 1390.6 | 1448.7 | 1513.6 | 1534.1 | 1537.5 |
| 22.5° | 275.0 | 386.1 | 703.8 | 796.0 | 1084.8 | 1351.3 | 1424.8 | 1470.9 | 1515.3 | 1522.1 | 1523.8 |
| 25° | 247.7 | 353.6 | 702.1 | 811.4 | 1125.8 | 1380.4 | 1436.7 | 1470.9 | 1496.5 | 1499.9 | 1499.9 |
| 27.5° | 222.1 | 317.7 | 695.3 | 814.8 | 1156.6 | 1387.2 | 1431.6 | 1455.5 | 1467.5 | 1474.3 | 1474.3 |
| 30° | 199.9 | 283.6 | 678.2 | 808.0 | 1170.2 | 1380.4 | 1416.2 | 1428.2 | 1440.1 | 1450.4 | 1455.5 |
| 32.5° | 182.8 | 251.1 | 652.6 | 794.3 | 1171.9 | 1363.3 | 1388.9 | 1395.7 | 1412.8 | 1436.7 | 1445.3 |
| 35° | 167.4 | 218.7 | 623.5 | 775.5 | 1161.7 | 1335.9 | 1353.0 | 1359.9 | 1394.0 | 1429.9 | 1441.9 |
| 37.5° | 152.0 | 194.7 | 585.9 | 743.1 | 1146.3 | 1303.5 | 1315.4 | 1327.4 | 1380.4 | 1423.1 | 1436.7 |
| 40° | 136.7 | 174.2 | 541.5 | 707.2 | 1122.4 | 1264.2 | 1274.4 | 1293.2 | 1363.3 | 1412.8 | 1426.5 |
| 42.5° | 124.7 | 157.2 | 493.7 | 669.6 | 1091.7 | 1219.8 | 1235.2 | 1262.5 | 1342.8 | 1395.7 | 1411.1 |
| 45° | 114.5 | 140.1 | 442.4 | 618.4 | 1052.4 | 1173.7 | 1195.9 | 1233.4 | 1318.9 | 1370.1 | 1383.8 |
| 47.5° | 104.2 | 128.1 | 389.5 | 565.4 | 1009.7 | 1127.5 | 1156.6 | 1199.3 | 1286.4 | 1335.9 | 1347.9 |
| 50° | 95.7 | 116.2 | 336.5 | 509.1 | 963.5 | 1078.0 | 1112.2 | 1156.6 | 1245.4 | 1291.5 | 1306.9 |
| 52.5° | 88.8 | 105.9 | 287.0 | 452.7 | 910.5 | 1026.7 | 1066.0 | 1112.2 | 1195.9 | 1240.3 | 1250.5 |
| 55° | 82.0 | 97.4 | 244.3 | 392.9 | 855.8 | 972.1 | 1014.8 | 1059.2 | 1141.2 | 1178.8 | 1185.6 |
| 57.5° | 78.6 | 90.5 | 208.4 | 336.5 | 797.8 | 910.5 | 958.3 | 999.4 | 1076.3 | 1105.3 | 1112.2 |
| 60° | 73.5 | 85.4 | 181.1 | 288.7 | 734.6 | 852.4 | 893.4 | 934.4 | 999.4 | 1023.3 | 1028.5 |
| 62.5° | 68.3 | 82.0 | 160.6 | 242.6 | 669.6 | 784.1 | 825.1 | 862.7 | 917.3 | 934.4 | 941.2 |
| 65° | 64.9 | 78.6 | 145.2 | 208.4 | 603.0 | 712.3 | 753.3 | 785.8 | 830.2 | 847.3 | 850.7 |
| 67.5° | 61.5 | 75.2 | 133.2 | 179.4 | 536.4 | 640.6 | 671.3 | 702.1 | 736.3 | 753.3 | 755.0 |
| 70° | 56.4 | 71.7 | 123.0 | 158.9 | 468.1 | 558.6 | 584.2 | 616.7 | 644.0 | 652.6 | 657.7 |
| 72.5° | 53.0 | 66.6 | 116.2 | 143.5 | 398.0 | 480.0 | 503.9 | 522.7 | 546.6 | 555.2 | 555.2 |
| 75° | 47.8 | 59.8 | 109.3 | 128.1 | 326.3 | 392.9 | 413.4 | 432.2 | 451.0 | 454.4 | 449.3 |
| 77.5° | 42.7 | 53.0 | 94.0 | 107.6 | 254.5 | 310.9 | 328.0 | 338.2 | 353.6 | 357.0 | 358.7 |
| 80° | 35.9 | 46.1 | 73.5 | 83.7 | 184.5 | 228.9 | 240.9 | 249.4 | 263.1 | 263.1 | 266.5 |
| 82.5° | 27.3 | 35.9 | 53.0 | 59.8 | 124.7 | 157.2 | 167.4 | 172.5 | 181.1 | 181.1 | 181.1 |
| 85° | 17.1 | 22.2 | 34.2 | 39.3 | 75.2 | 95.7 | 102.5 | 104.2 | 111.0 | 112.7 | 112.7 |
| 87.5° | 8.5 | 12.0 | 22.2 | 23.9 | 39.3 | 49.5 | 49.5 | 53.0 | 53.0 | 51.2 | 49.5 |
| 90° | 10.7 | 19.2 | 27.7 | 29.8 | 46.9 | 69.6 | 81.0 | 72.0 | 54.0 | 40.5 | 40.5 |
| 92.5° | 42.6 | 115.1 | 187.6 | 205.7 | 289.1 | 400.4 | 456.0 | 399.6 | 287.0 | 202.4 | 194.4 |
| 95° | 102.3 | 234.9 | 367.4 | 400.6 | 711.3 | 1125.7 | 1332.9 | 1189.4 | 902.5 | 687.2 | 662.8 |
| 97.5° | 176.9 | 293.8 | 410.8 | 440.0 | 958.2 | 1649.2 | 1994.6 | 1903.9 | 1722.5 | 1586.5 | 1540.1 |
| 100° | 234.4 | 340.5 | 446.5 | 473.1 | 1048.1 | 1814.7 | 2198.0 | 2204.7 | 2217.9 | 2227.8 | 2172.6 |
| 102.5° | 283.4 | 382.4 | 481.3 | 506.1 | 1089.3 | 1866.8 | 2255.6 | 2371.1 | 2602.2 | 2775.5 | 2728.2 |
| 105° | 366.5 | 450.3 | 534.2 | 555.1 | 1119.8 | 1872.7 | 2249.2 | 2508.2 | 3026.3 | 3414.8 | 3389.4 |
| 107.5° | 451.7 | 529.9 | 608.0 | 627.5 | 1125.5 | 1789.4 | 2121.3 | 2482.6 | 3205.3 | 3747.2 | 3753.4 |
| 110° | 509.3 | 579.9 | 650.4 | 668.0 | 1116.9 | 1715.5 | 2014.8 | 2418.7 | 3226.6 | 3832.5 | 3859.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 565.8 | 633.0 | 700.2 | 717.0 | 1117.3 | 1650.9 | 1917.8 | 2331.2 | 3158.0 | 3778.1 | 3818.8 |
| 115° | 651.0 | 713.0 | 775.0 | 790.6 | 1127.6 | 1577.0 | 1801.7 | 2199.9 | 2996.4 | 3593.7 | 3650.2 |
| 117.5° | 735.1 | 791.5 | 847.9 | 862.0 | 1148.5 | 1530.7 | 1721.8 | 2081.2 | 2800.0 | 3339.1 | 3401.7 |
| 120° | 784.2 | 837.2 | 890.3 | 903.5 | 1165.6 | 1515.1 | 1689.8 | 2018.2 | 2675.0 | 3167.6 | 3228.4 |
| 122.5° | 832.1 | 885.6 | 939.1 | 952.5 | 1190.1 | 1506.9 | 1665.3 | 1961.0 | 2552.5 | 2996.0 | 3056.1 |
| 125° | 905.6 | 954.4 | 1003.2 | 1015.4 | 1223.1 | 1500.1 | 1638.6 | 1889.8 | 2392.2 | 2769.1 | 2824.3 |
| 127.5° | 965.3 | 1014.5 | 1063.8 | 1076.1 | 1256.2 | 1496.3 | 1616.3 | 1831.9 | 2263.4 | 2586.9 | 2633.5 |
| 130° | 997.3 | 1050.3 | 1103.4 | 1116.6 | 1280.3 | 1498.6 | 1607.7 | 1799.7 | 2183.8 | 2471.8 | 2515.0 |
| 132.5° | 1030.3 | 1083.4 | 1136.4 | 1149.7 | 1299.9 | 1500.2 | 1600.3 | 1772.1 | 2115.9 | 2373.8 | 2412.4 |
| 135° | 1079.3 | 1127.6 | 1176.0 | 1188.0 | 1321.2 | 1498.7 | 1587.5 | 1731.5 | 2019.4 | 2235.3 | 2268.6 |
| 137.5° | 1129.4 | 1177.2 | 1225.0 | 1236.9 | 1353.1 | 1508.0 | 1585.4 | 1707.1 | 1950.5 | 2133.0 | 2160.3 |
| 140° | 1170.9 | 1215.0 | 1259.0 | 1270.0 | 1372.7 | 1509.5 | 1577.9 | 1683.1 | 1893.3 | 2051.0 | 2076.5 |
| 142.5° | 1202.9 | 1243.6 | 1284.4 | 1294.5 | 1389.0 | 1515.0 | 1577.9 | 1670.2 | 1854.9 | 1993.4 | 2015.3 |
| 145° | 1251.9 | 1287.4 | 1323.0 | 1331.8 | 1410.3 | 1515.0 | 1567.2 | 1642.7 | 1793.8 | 1907.2 | 1923.8 |
| 147.5° | 1300.9 | 1335.5 | 1370.1 | 1378.7 | 1441.6 | 1525.4 | 1567.2 | 1626.7 | 1745.5 | 1834.7 | 1848.4 |
| 150° | 1332.9 | 1364.1 | 1395.4 | 1403.2 | 1457.8 | 1530.8 | 1567.2 | 1617.5 | 1717.8 | 1793.2 | 1804.3 |
| 152.5° | 1365.9 | 1389.6 | 1413.3 | 1419.2 | 1468.6 | 1534.4 | 1567.2 | 1610.1 | 1695.8 | 1760.1 | 1768.5 |
| 155° | 1414.9 | 1432.5 | 1450.0 | 1454.3 | 1492.0 | 1542.1 | 1567.2 | 1601.3 | 1669.6 | 1720.7 | 1726.3 |
| 157.5° | 1451.2 | 1468.2 | 1485.2 | 1489.5 | 1515.4 | 1550.0 | 1567.2 | 1593.8 | 1646.8 | 1686.6 | 1690.6 |
| 160° | 1475.7 | 1488.9 | 1502.2 | 1505.5 | 1526.1 | 1553.5 | 1567.2 | 1590.0 | 1635.5 | 1669.6 | 1671.8 |
| 162.5° | 1500.2 | 1510.1 | 1520.1 | 1522.6 | 1537.4 | 1557.3 | 1567.2 | 1586.5 | 1624.8 | 1653.6 | 1655.7 |
| 165° | 1526.8 | 1535.7 | 1544.8 | 1547.0 | 1553.7 | 1562.7 | 1567.2 | 1581.0 | 1608.5 | 1629.1 | 1631.3 |
| 167.5° | 1551.3 | 1555.5 | 1559.8 | 1560.9 | 1566.6 | 1574.2 | 1577.9 | 1586.9 | 1604.9 | 1618.4 | 1619.3 |
| 170° | 1567.2 | 1571.5 | 1575.8 | 1576.9 | 1577.2 | 1577.7 | 1577.9 | 1586.9 | 1604.9 | 1618.4 | 1618.4 |
| 172.5° | 1575.8 | 1576.7 | 1577.7 | 1577.9 | 1577.9 | 1577.9 | 1577.9 | 1585.0 | 1599.2 | 1609.9 | 1609.0 |
| 175° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1584.3 | 1580.1 | 1577.9 | 1582.4 | 1591.4 | 1598.2 | 1598.2 |
| 177.5° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1585.0 | 1581.7 | 1580.1 | 1583.6 | 1590.7 | 1596.0 | 1595.1 |
| 180° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |



TEST NUMBER: P938343

CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 531.3 | 531.3 |
| 2.5° | 567.1 | 563.7 |
| 5° | 729.4 | 732.8 |
| 7.5° | 982.3 | 980.6 |
| 10° | 1221.5 | 1236.9 |
| 12.5° | 1395.7 | 1399.1 |
| 15° | 1501.6 | 1508.5 |
| 17.5° | 1542.6 | 1544.3 |
| 20° | 1544.3 | 1540.9 |
| 22.5° | 1525.6 | 1522.1 |
| 25° | 1503.4 | 1501.6 |
| 27.5° | 1482.9 | 1484.6 |
| 30° | 1474.3 | 1479.4 |
| 32.5° | 1474.3 | 1482.9 |
| 35° | 1477.7 | 1486.3 |
| 37.5° | 1476.0 | 1486.3 |
| 40° | 1469.2 | 1481.1 |
| 42.5° | 1450.4 | 1458.9 |
| 45° | 1421.4 | 1431.6 |
| 47.5° | 1383.8 | 1390.6 |
| 50° | 1335.9 | 1342.8 |
| 52.5° | 1276.2 | 1277.9 |
| 55° | 1204.4 | 1211.2 |
| 57.5° | 1127.5 | 1129.2 |
| 60° | 1042.1 | 1047.2 |
| 62.5° | 951.5 | 951.5 |
| 65° | 855.8 | 859.3 |
| 67.5° | 756.8 | 765.3 |
| 70° | 656.0 | 657.7 |
| 72.5° | 556.9 | 556.9 |
| 75° | 454.4 | 456.1 |
| 77.5° | 357.0 | 357.0 |
| 80° | 264.8 | 266.5 |
| 82.5° | 182.8 | 186.2 |
| 85° | 114.5 | 114.5 |
| 87.5° | 53.0 | 47.8 |
| 90° | 40.5 | 40.5 |
| 92.5° | 162.2 | 130.0 |
| 95° | 565.3 | 467.7 |
| 97.5° | 1354.4 | 1168.8 |
| 100° | 1951.4 | 1730.3 |
| 102.5° | 2538.7 | 2349.4 |
| 105° | 3287.5 | 3185.7 |
| 107.5° | 3778.0 | 3802.6 |
| 110° | 3965.0 | 4071.1 |



TEST NUMBER: P938343

CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3981.7 | 4144.6 |
| 115° | 3876.1 | 4101.9 |
| 117.5° | 3652.3 | 3902.8 |
| 120° | 3471.9 | 3715.2 |
| 122.5° | 3296.2 | 3536.3 |
| 125° | 3045.6 | 3266.7 |
| 127.5° | 2820.2 | 3006.7 |
| 130° | 2687.3 | 2859.7 |
| 132.5° | 2566.7 | 2721.2 |
| 135° | 2401.6 | 2534.7 |
| 137.5° | 2269.2 | 2378.1 |
| 140° | 2178.3 | 2280.1 |
| 142.5° | 2102.9 | 2190.6 |
| 145° | 1990.0 | 2056.3 |
| 147.5° | 1903.3 | 1958.3 |
| 150° | 1848.8 | 1893.3 |
| 152.5° | 1802.1 | 1835.8 |
| 155° | 1748.6 | 1770.8 |
| 157.5° | 1706.1 | 1721.8 |
| 160° | 1680.8 | 1689.8 |
| 162.5° | 1664.2 | 1672.7 |
| 165° | 1640.4 | 1649.3 |
| 167.5° | 1623.2 | 1626.9 |
| 170° | 1618.4 | 1618.4 |
| 172.5° | 1605.8 | 1602.4 |
| 175° | 1598.2 | 1598.2 |
| 177.5° | 1591.2 | 1587.5 |
| 180° | 1587.5 | 1587.5 |



TEST NUMBER: P938343
 CATALOG NUMBER: SQ4-FB-150U-075D-92765-1D-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 | 1.75 | 2.47 | 2.87 | 3.58 | 5.13 | 14.93 | 15.65 | 16.05 | 16.76 | 18.31 |
| | 3H | 2.44 | 3.09 | 3.57 | 4.21 | 5.77 | 16.76 | 17.40 | 17.88 | 18.52 | 20.08 |
| | 4H | 2.74 | 3.35 | 3.87 | 4.47 | 6.04 | 17.40 | 18.01 | 18.53 | 19.13 | 20.70 |
| | 6H | 2.98 | 3.54 | 4.12 | 4.67 | 6.24 | 17.82 | 18.38 | 18.96 | 19.51 | 21.08 |
| | 8H | 3.04 | 3.58 | 4.19 | 4.72 | 6.29 | 17.93 | 18.47 | 19.08 | 19.61 | 21.18 |
| | 12H | 3.05 | 3.56 | 4.20 | 4.70 | 6.29 | 18.00 | 18.51 | 19.15 | 19.64 | 21.24 |
| 4H | 2H | 8.95 | 9.56 | 10.09 | 10.68 | 12.25 | 15.19 | 15.80 | 16.33 | 16.92 | 18.49 |
| | 3H | 10.50 | 11.01 | 11.65 | 12.16 | 13.74 | 17.22 | 17.73 | 18.36 | 18.88 | 20.46 |
| | 4H | 10.59 | 11.06 | 11.74 | 12.20 | 13.80 | 17.98 | 18.45 | 19.13 | 19.58 | 21.18 |
| | 6H | 10.59 | 10.99 | 11.75 | 12.16 | 13.74 | 18.51 | 18.91 | 19.66 | 20.07 | 21.66 |
| | 8H | 10.56 | 10.94 | 11.72 | 12.09 | 13.70 | 18.67 | 19.04 | 19.82 | 20.19 | 21.80 |
| | 12H | 10.51 | 10.86 | 11.69 | 12.02 | 13.63 | 18.75 | 19.09 | 19.93 | 20.26 | 21.87 |
| 8H | 4H | 12.02 | 12.40 | 13.18 | 13.55 | 15.16 | 18.03 | 18.40 | 19.18 | 19.55 | 21.16 |
| | 6H | 12.26 | 12.57 | 13.43 | 13.76 | 15.36 | 18.65 | 18.96 | 19.82 | 20.15 | 21.76 |
| | 8H | 12.27 | 12.54 | 13.45 | 13.72 | 15.34 | 18.87 | 19.14 | 20.05 | 20.31 | 21.93 |
| | 12H | 12.23 | 12.47 | 13.42 | 13.64 | 15.30 | 19.00 | 19.24 | 20.19 | 20.41 | 22.07 |
| 12H | 4H | 12.16 | 12.50 | 13.33 | 13.66 | 15.27 | 17.97 | 18.31 | 19.14 | 19.48 | 21.09 |
| | 6H | 12.51 | 12.79 | 13.70 | 13.96 | 15.58 | 18.63 | 18.90 | 19.81 | 20.07 | 21.70 |
| | 8H | 12.58 | 12.81 | 13.76 | 13.98 | 15.64 | 18.85 | 19.09 | 20.04 | 20.26 | 21.92 |