

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: P938507

Luminaire Tested: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938507
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-B50-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

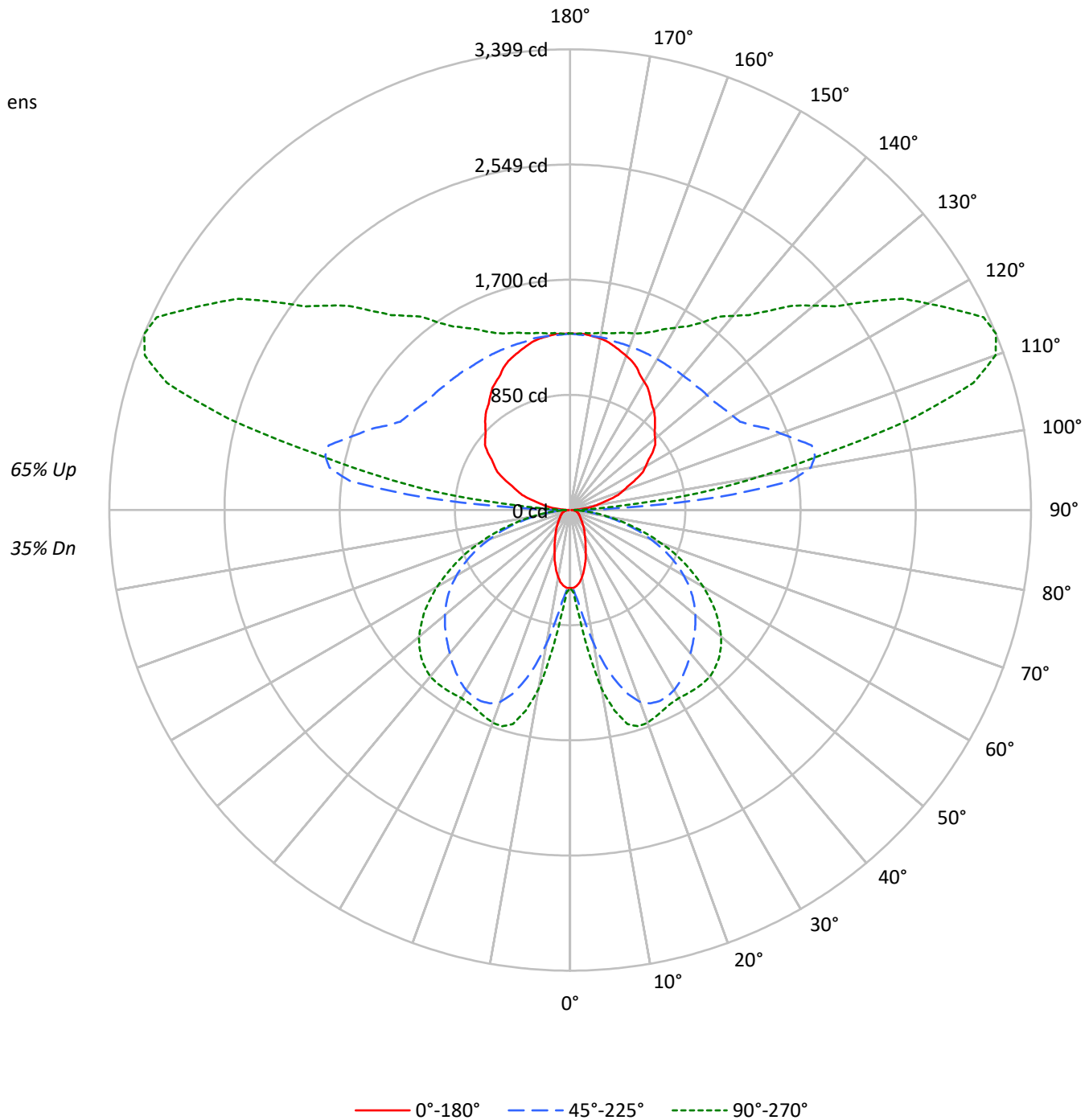
Summary

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_{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: P938507
CATALOG NUMBER: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P938507

CATALOG NUMBER: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 35 | | | | 35 |
| 1 | 94 | 90 | 86 | 82 | 85 | 81 | 78 | 75 | 65 | 63 | 60 | 50 | 49 | 47 | 36 | 35 | 35 | 28 | | | | 28 |
| 2 | 85 | 78 | 72 | 66 | 77 | 70 | 65 | 61 | 56 | 53 | 49 | 43 | 41 | 39 | 32 | 30 | 29 | 23 | | | | 23 |
| 3 | 77 | 68 | 61 | 55 | 69 | 61 | 55 | 50 | 49 | 45 | 41 | 38 | 35 | 32 | 28 | 26 | 24 | 19 | | | | 19 |
| 4 | 71 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 34 | 30 | 27 | 24 | 22 | 20 | 16 | | | | 16 |
| 5 | 64 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 14 | | | | 14 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 30 | 34 | 29 | 25 | 27 | 23 | 20 | 19 | 17 | 15 | 12 | | | | 12 |
| 7 | 54 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 20 | 17 | 18 | 15 | 13 | 10 | | | | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 13 | 11 | 9 | | | | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 31 | 25 | 20 | 26 | 20 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 | | | | 8 |
| 10 | 43 | 31 | 24 | 20 | 39 | 29 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 13 | 11 | 9 | 7 | | | | 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: P938507

CATALOG NUMBER: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

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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CATALOG NUMBER: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

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 |



TEST NUMBER: P938507

CATALOG NUMBER: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

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: P938507

CATALOG NUMBER: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

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: P938507
 CATALOG NUMBER: SQ4-FB-150U-100D-B50-1D-UNV-STD-W-6

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 |