

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: P938525

Luminaire Tested: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938525
REPORT IS A COMBINATION OF REPORTS P933624 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

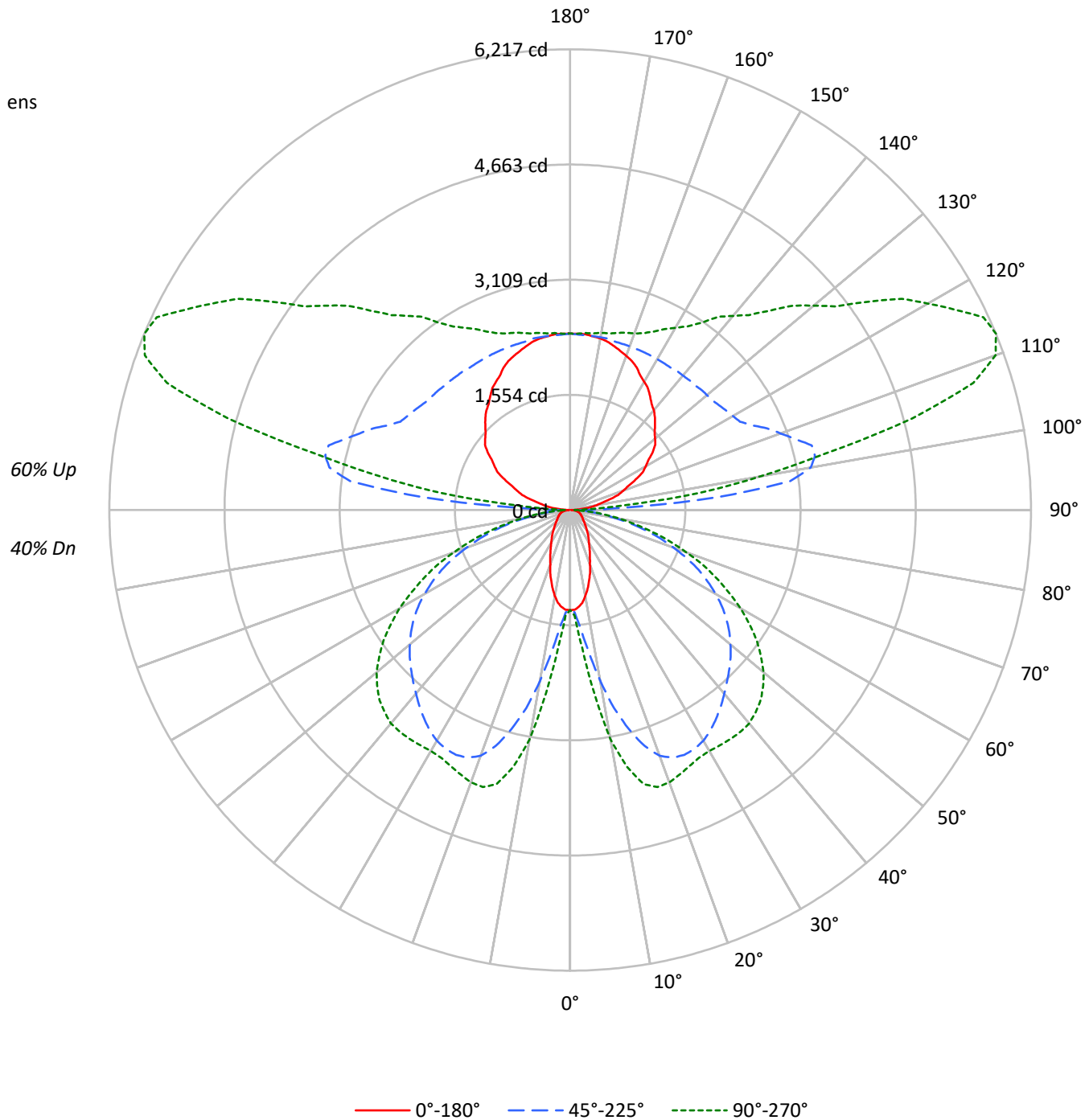
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25878.4 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 249.6
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: P938525
CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P938525

CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-12-2700K

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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 40 |
| 1 | 95 | 91 | 87 | 83 | 86 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 52 | 51 | 41 | 40 | 39 | 33 |
| 2 | 86 | 79 | 72 | 67 | 78 | 72 | 66 | 62 | 59 | 55 | 51 | 47 | 44 | 42 | 36 | 34 | 32 | 27 |
| 3 | 78 | 69 | 61 | 55 | 71 | 63 | 56 | 51 | 51 | 47 | 43 | 41 | 37 | 35 | 31 | 29 | 27 | 22 |
| 4 | 71 | 60 | 52 | 46 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 | 19 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 42 | 36 | 40 | 35 | 30 | 32 | 28 | 25 | 24 | 22 | 19 | 16 |
| 6 | 60 | 48 | 39 | 34 | 54 | 44 | 36 | 31 | 36 | 30 | 26 | 29 | 25 | 21 | 22 | 19 | 17 | 14 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 |
| 8 | 51 | 39 | 31 | 25 | 46 | 35 | 28 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 27 | 21 | 18 | 21 | 17 | 15 | 17 | 14 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4171 | 4171 | 4171 |
| 5° | 4076 | 4822 | 5607 |
| 10° | 3699 | 7031 | 9295 |
| 15° | 3145 | 9188 | 11224 |
| 20° | 2561 | 10650 | 11438 |
| 25° | 2137 | 11147 | 11206 |
| 30° | 1804 | 11221 | 11185 |
| 35° | 1595 | 11037 | 11474 |
| 40° | 1391 | 10799 | 11773 |
| 45° | 1260 | 10624 | 11819 |
| 50° | 1157 | 10468 | 11624 |
| 55° | 1110 | 10238 | 11108 |
| 60° | 1137 | 9793 | 10294 |
| 65° | 1185 | 9114 | 9177 |
| 70° | 1265 | 7954 | 7753 |
| 75° | 1407 | 6491 | 6050 |
| 80° | 1549 | 4507 | 4077 |
| 85° | 1406 | 2396 | 2086 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 11819 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 174.4 | 0.7 |
| 10°-20° | 773.1 | 3.0 |
| 20°-30° | 1352.3 | 5.2 |
| 30°-40° | 1740.8 | 6.7 |
| 40°-50° | 1944.4 | 7.5 |
| 50°-60° | 1862.3 | 7.2 |
| 60°-70° | 1475.9 | 5.7 |
| 70°-80° | 867.9 | 3.4 |
| 80°-90° | 250.2 | 1.0 |
| 90°-100° | 1160.8 | 4.5 |
| 100°-110° | 3051.7 | 11.8 |
| 110°-120° | 3164.3 | 12.2 |
| 120°-130° | 2538.1 | 9.8 |
| 130°-140° | 1991.5 | 7.7 |
| 140°-150° | 1528.6 | 5.9 |
| 150°-160° | 1100.8 | 4.3 |
| 160°-170° | 673.6 | 2.6 |
| 170°-180° | 227.6 | 0.9 |
| 0°-30° | 2299.9 | 8.9 |
| 0°-40° | 4040.7 | 15.6 |
| 0°-60° | 7847.5 | 30.3 |
| 0°-90° | 10441.4 | 40.3 |
| 90°-120° | 7376.7 | 28.5 |
| 90°-150° | 13435.0 | 51.9 |
| 90°-180° | 15437.0 | 59.7 |
| 0°-180° | 25878.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1349 | 1349 | 1349 | 1349 | 1349 | |
| 5° | 1314 | 1409 | 1587 | 1795 | 1860 | 121 |
| 15° | 984 | 1817 | 3061 | 3712 | 3829 | 274 |
| 25° | 629 | 2060 | 3647 | 3807 | 3812 | 290 |
| 35° | 425 | 1969 | 3434 | 3629 | 3772 | 265 |
| 45° | 290 | 1570 | 3035 | 3478 | 3634 | 225 |
| 55° | 208 | 997 | 2576 | 2992 | 3074 | 190 |
| 65° | 165 | 529 | 1912 | 2151 | 2181 | 163 |
| 75° | 121 | 325 | 1049 | 1153 | 1158 | 127 |
| 85° | 43 | 100 | 260 | 286 | 290 | 46 |
| 90° | 16 | 45 | 122 | 61 | 61 | 16 |
| 95° | 153 | 601 | 1999 | 1031 | 702 | 170 |
| 105° | 550 | 833 | 3374 | 5122 | 4779 | 583 |
| 115° | 976 | 1186 | 2702 | 5391 | 6153 | 964 |
| 125° | 1358 | 1523 | 2458 | 4154 | 4900 | 1206 |
| 135° | 1619 | 1782 | 2381 | 3353 | 3802 | 1253 |
| 145° | 1878 | 1998 | 2351 | 2861 | 3084 | 1176 |
| 155° | 2122 | 2182 | 2351 | 2581 | 2656 | 975 |
| 165° | 2290 | 2321 | 2351 | 2444 | 2474 | 646 |
| 175° | 2381 | 2381 | 2367 | 2397 | 2397 | 226 |
| 180° | 2381 | 2381 | 2381 | 2381 | 2381 | |



TEST NUMBER: P938525

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CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1348.6 | 1348.6 | 1348.6 | 1348.6 | 1348.6 | 1348.6 | 1348.6 | 1348.6 | 1348.6 | 1348.6 | 1348.6 |
| 2.5° | 1348.6 | 1348.6 | 1357.2 | 1361.6 | 1370.2 | 1374.5 | 1383.3 | 1391.9 | 1417.9 | 1422.3 | 1430.9 |
| 5° | 1313.8 | 1331.2 | 1387.5 | 1409.2 | 1470.0 | 1552.4 | 1587.1 | 1643.4 | 1760.4 | 1795.2 | 1816.8 |
| 7.5° | 1261.8 | 1300.8 | 1439.6 | 1474.3 | 1626.1 | 1842.9 | 1933.9 | 2055.4 | 2241.8 | 2332.9 | 2406.6 |
| 10° | 1179.5 | 1261.8 | 1509.0 | 1591.3 | 1838.5 | 2168.0 | 2337.2 | 2506.3 | 2788.1 | 2913.9 | 2961.6 |
| 12.5° | 1088.4 | 1222.8 | 1582.7 | 1695.4 | 2051.0 | 2532.3 | 2736.1 | 2922.6 | 3243.5 | 3412.6 | 3438.5 |
| 15° | 984.3 | 1166.4 | 1652.1 | 1816.8 | 2276.5 | 2835.9 | 3061.3 | 3291.1 | 3590.3 | 3711.8 | 3742.1 |
| 17.5° | 893.2 | 1123.1 | 1717.1 | 1890.5 | 2449.9 | 3109.0 | 3338.9 | 3529.6 | 3772.4 | 3854.9 | 3876.5 |
| 20° | 780.5 | 1053.7 | 1760.4 | 1985.9 | 2632.1 | 3308.5 | 3529.6 | 3677.0 | 3841.9 | 3893.9 | 3902.5 |
| 22.5° | 698.1 | 979.9 | 1786.5 | 2020.6 | 2753.5 | 3429.9 | 3616.4 | 3733.4 | 3846.1 | 3863.5 | 3867.8 |
| 25° | 628.7 | 897.6 | 1782.1 | 2059.6 | 2857.5 | 3503.6 | 3646.7 | 3733.4 | 3798.5 | 3807.1 | 3807.1 |
| 27.5° | 563.7 | 806.6 | 1764.8 | 2068.4 | 2935.6 | 3521.0 | 3633.7 | 3694.4 | 3724.8 | 3742.1 | 3742.1 |
| 30° | 507.4 | 719.8 | 1721.4 | 2051.0 | 2970.2 | 3503.6 | 3594.7 | 3625.0 | 3655.4 | 3681.4 | 3694.4 |
| 32.5° | 464.0 | 637.4 | 1656.4 | 2016.3 | 2974.6 | 3460.2 | 3525.3 | 3542.7 | 3586.0 | 3646.7 | 3668.4 |
| 35° | 424.9 | 555.0 | 1582.7 | 1968.6 | 2948.6 | 3390.9 | 3434.2 | 3451.6 | 3538.3 | 3629.4 | 3659.7 |
| 37.5° | 385.9 | 494.3 | 1487.3 | 1886.3 | 2909.6 | 3308.5 | 3338.9 | 3369.2 | 3503.6 | 3612.0 | 3646.7 |
| 40° | 346.9 | 442.3 | 1374.5 | 1795.2 | 2848.9 | 3208.8 | 3234.8 | 3282.5 | 3460.2 | 3586.0 | 3620.6 |
| 42.5° | 316.5 | 399.0 | 1253.2 | 1699.8 | 2770.8 | 3096.0 | 3135.1 | 3204.4 | 3408.2 | 3542.7 | 3581.7 |
| 45° | 290.5 | 355.6 | 1123.1 | 1569.7 | 2671.0 | 2978.9 | 3035.3 | 3130.7 | 3347.5 | 3477.6 | 3512.3 |
| 47.5° | 264.5 | 325.3 | 988.7 | 1435.3 | 2562.6 | 2861.8 | 2935.6 | 3043.9 | 3265.2 | 3390.9 | 3421.2 |
| 50° | 242.8 | 294.8 | 854.2 | 1292.2 | 2445.6 | 2736.1 | 2822.8 | 2935.6 | 3161.0 | 3278.1 | 3317.2 |
| 52.5° | 225.5 | 268.9 | 728.5 | 1149.1 | 2311.2 | 2606.0 | 2705.8 | 2822.8 | 3035.3 | 3148.1 | 3174.0 |
| 55° | 208.2 | 247.2 | 620.1 | 997.3 | 2172.4 | 2467.2 | 2575.7 | 2688.5 | 2896.5 | 2991.9 | 3009.3 |
| 57.5° | 199.4 | 229.8 | 529.0 | 854.2 | 2025.0 | 2311.2 | 2432.6 | 2536.7 | 2731.8 | 2805.5 | 2822.8 |
| 60° | 186.5 | 216.8 | 459.6 | 732.8 | 1864.6 | 2163.8 | 2267.8 | 2371.9 | 2536.7 | 2597.3 | 2610.4 |
| 62.5° | 173.5 | 208.2 | 407.6 | 615.7 | 1699.8 | 1990.3 | 2094.3 | 2189.7 | 2328.5 | 2371.9 | 2389.3 |
| 65° | 164.8 | 199.4 | 368.6 | 529.0 | 1530.7 | 1808.2 | 1912.2 | 1994.6 | 2107.4 | 2150.7 | 2159.4 |
| 67.5° | 156.1 | 190.8 | 338.2 | 455.3 | 1361.6 | 1626.1 | 1704.1 | 1782.1 | 1868.9 | 1912.2 | 1916.6 |
| 70° | 143.1 | 182.1 | 312.2 | 403.2 | 1188.1 | 1417.9 | 1482.9 | 1565.4 | 1634.7 | 1656.4 | 1669.4 |
| 72.5° | 134.4 | 169.1 | 294.8 | 364.2 | 1010.3 | 1218.5 | 1279.1 | 1326.9 | 1387.5 | 1409.2 | 1409.2 |
| 75° | 121.4 | 151.8 | 277.5 | 325.3 | 828.2 | 997.3 | 1049.4 | 1097.0 | 1144.7 | 1153.4 | 1140.4 |
| 77.5° | 108.4 | 134.4 | 238.5 | 273.2 | 646.1 | 789.2 | 832.5 | 858.6 | 897.6 | 906.2 | 910.6 |
| 80° | 91.1 | 117.1 | 186.5 | 212.5 | 468.3 | 581.1 | 611.4 | 633.1 | 667.8 | 667.8 | 676.5 |
| 82.5° | 69.4 | 91.1 | 134.4 | 151.8 | 316.5 | 399.0 | 424.9 | 437.9 | 459.6 | 459.6 | 459.6 |
| 85° | 43.4 | 56.4 | 86.7 | 99.8 | 190.8 | 242.8 | 260.2 | 264.5 | 281.9 | 286.2 | 286.2 |
| 87.5° | 21.7 | 30.3 | 56.4 | 60.7 | 99.8 | 125.7 | 125.7 | 134.4 | 134.4 | 130.1 | 125.7 |
| 90° | 16.0 | 28.8 | 41.6 | 44.8 | 70.3 | 104.4 | 121.5 | 108.0 | 81.0 | 60.7 | 60.7 |
| 92.5° | 63.9 | 172.5 | 281.3 | 308.4 | 433.6 | 600.5 | 684.0 | 599.4 | 430.4 | 303.6 | 291.6 |
| 95° | 153.4 | 352.2 | 551.2 | 600.9 | 1067.1 | 1688.6 | 1999.3 | 1784.1 | 1353.7 | 1030.8 | 994.3 |
| 97.5° | 265.3 | 440.7 | 616.2 | 660.1 | 1437.3 | 2473.6 | 2991.8 | 2855.8 | 2583.7 | 2379.7 | 2310.1 |
| 100° | 351.6 | 510.7 | 669.8 | 709.6 | 1572.1 | 2722.0 | 3297.0 | 3306.9 | 3326.8 | 3341.8 | 3258.8 |
| 102.5° | 425.1 | 573.5 | 722.0 | 759.1 | 1633.9 | 2800.2 | 3383.4 | 3556.7 | 3903.3 | 4163.3 | 4092.2 |
| 105° | 549.8 | 675.5 | 801.3 | 832.7 | 1679.7 | 2809.1 | 3373.7 | 3762.3 | 4539.3 | 5122.1 | 5083.9 |
| 107.5° | 677.7 | 794.9 | 912.0 | 941.3 | 1688.2 | 2684.0 | 3182.0 | 3723.9 | 4807.8 | 5620.8 | 5630.0 |
| 110° | 763.9 | 869.8 | 975.6 | 1002.1 | 1675.5 | 2573.2 | 3022.2 | 3628.1 | 4839.8 | 5748.6 | 5788.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 848.7 | 949.5 | 1050.4 | 1075.6 | 1676.0 | 2476.5 | 2876.7 | 3496.8 | 4737.0 | 5667.1 | 5728.2 |
| 115° | 976.5 | 1069.5 | 1162.6 | 1185.9 | 1691.4 | 2365.5 | 2702.5 | 3299.9 | 4494.6 | 5390.7 | 5475.4 |
| 117.5° | 1102.8 | 1187.2 | 1271.8 | 1292.9 | 1722.8 | 2296.0 | 2582.6 | 3121.8 | 4200.0 | 5008.7 | 5102.6 |
| 120° | 1176.2 | 1255.8 | 1335.3 | 1355.2 | 1748.4 | 2272.6 | 2534.7 | 3027.3 | 4012.4 | 4751.3 | 4842.6 |
| 122.5° | 1248.1 | 1328.4 | 1408.7 | 1428.8 | 1785.2 | 2260.4 | 2498.0 | 2941.5 | 3828.7 | 4494.1 | 4584.1 |
| 125° | 1358.5 | 1431.6 | 1504.8 | 1523.1 | 1834.8 | 2250.3 | 2458.0 | 2834.9 | 3588.4 | 4153.6 | 4236.6 |
| 127.5° | 1447.9 | 1521.8 | 1595.7 | 1614.1 | 1884.2 | 2244.4 | 2424.4 | 2748.0 | 3395.1 | 3880.4 | 3950.3 |
| 130° | 1495.9 | 1575.4 | 1655.0 | 1674.9 | 1920.4 | 2247.9 | 2411.6 | 2699.6 | 3275.8 | 3707.8 | 3772.4 |
| 132.5° | 1545.5 | 1625.0 | 1704.5 | 1724.4 | 1949.7 | 2250.2 | 2400.4 | 2658.3 | 3174.0 | 3560.8 | 3618.7 |
| 135° | 1618.9 | 1691.3 | 1763.9 | 1782.0 | 1981.7 | 2248.2 | 2381.3 | 2597.2 | 3029.1 | 3353.0 | 3402.8 |
| 137.5° | 1694.1 | 1765.8 | 1837.6 | 1855.5 | 2029.7 | 2261.9 | 2378.1 | 2560.6 | 2925.7 | 3199.6 | 3240.4 |
| 140° | 1756.4 | 1822.5 | 1888.6 | 1905.0 | 2059.0 | 2264.2 | 2366.9 | 2524.5 | 2840.0 | 3076.5 | 3114.7 |
| 142.5° | 1804.3 | 1865.4 | 1926.5 | 1941.8 | 2083.5 | 2272.4 | 2366.9 | 2505.4 | 2782.4 | 2990.2 | 3023.1 |
| 145° | 1877.9 | 1931.2 | 1984.4 | 1997.7 | 2115.4 | 2272.4 | 2350.9 | 2464.2 | 2690.8 | 2860.7 | 2885.6 |
| 147.5° | 1951.3 | 2003.2 | 2055.0 | 2068.0 | 2162.3 | 2288.0 | 2350.9 | 2440.1 | 2618.3 | 2752.1 | 2772.7 |
| 150° | 1999.3 | 2046.2 | 2093.1 | 2104.8 | 2186.8 | 2296.2 | 2350.9 | 2426.2 | 2576.8 | 2689.7 | 2706.4 |
| 152.5° | 2048.9 | 2084.4 | 2119.9 | 2128.7 | 2202.8 | 2301.5 | 2350.9 | 2415.2 | 2543.8 | 2640.2 | 2652.8 |
| 155° | 2122.4 | 2148.7 | 2175.0 | 2181.5 | 2238.0 | 2313.2 | 2350.9 | 2402.1 | 2504.4 | 2581.1 | 2589.5 |
| 157.5° | 2176.7 | 2202.3 | 2227.8 | 2234.2 | 2273.1 | 2324.9 | 2350.9 | 2390.7 | 2470.2 | 2529.9 | 2535.8 |
| 160° | 2213.5 | 2233.4 | 2253.3 | 2258.2 | 2289.1 | 2330.3 | 2350.9 | 2385.0 | 2453.1 | 2504.3 | 2507.7 |
| 162.5° | 2250.2 | 2265.1 | 2280.0 | 2283.8 | 2306.1 | 2336.0 | 2350.9 | 2379.7 | 2437.3 | 2480.4 | 2483.5 |
| 165° | 2290.2 | 2303.7 | 2317.2 | 2320.6 | 2330.7 | 2344.2 | 2350.9 | 2371.5 | 2412.7 | 2443.6 | 2447.0 |
| 167.5° | 2327.0 | 2333.4 | 2339.7 | 2341.3 | 2349.9 | 2361.2 | 2366.9 | 2380.4 | 2407.4 | 2427.6 | 2429.1 |
| 170° | 2350.9 | 2357.3 | 2363.7 | 2365.3 | 2365.8 | 2366.5 | 2366.9 | 2380.4 | 2407.4 | 2427.6 | 2427.6 |
| 172.5° | 2363.7 | 2365.1 | 2366.5 | 2366.9 | 2366.9 | 2366.9 | 2366.9 | 2377.6 | 2398.9 | 2414.9 | 2413.6 |
| 175° | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2376.5 | 2370.1 | 2366.9 | 2373.6 | 2387.1 | 2397.3 | 2397.3 |
| 177.5° | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2377.6 | 2372.6 | 2370.1 | 2375.4 | 2386.1 | 2394.0 | 2392.6 |
| 180° | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2381.3 | 2381.3 |



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 CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1348.6 | 1348.6 |
| 2.5° | 1439.6 | 1430.9 |
| 5° | 1851.6 | 1860.2 |
| 7.5° | 2493.3 | 2488.9 |
| 10° | 3100.3 | 3139.3 |
| 12.5° | 3542.7 | 3551.3 |
| 15° | 3811.5 | 3828.8 |
| 17.5° | 3915.6 | 3919.8 |
| 20° | 3919.8 | 3911.2 |
| 22.5° | 3872.2 | 3863.5 |
| 25° | 3815.8 | 3811.5 |
| 27.5° | 3763.8 | 3768.2 |
| 30° | 3742.1 | 3755.1 |
| 32.5° | 3742.1 | 3763.8 |
| 35° | 3750.7 | 3772.4 |
| 37.5° | 3746.5 | 3772.4 |
| 40° | 3729.1 | 3759.4 |
| 42.5° | 3681.4 | 3703.1 |
| 45° | 3607.7 | 3633.7 |
| 47.5° | 3512.3 | 3529.6 |
| 50° | 3390.9 | 3408.2 |
| 52.5° | 3239.1 | 3243.5 |
| 55° | 3057.0 | 3074.3 |
| 57.5° | 2861.8 | 2866.2 |
| 60° | 2645.1 | 2658.0 |
| 62.5° | 2415.2 | 2415.2 |
| 65° | 2172.4 | 2181.1 |
| 67.5° | 1920.9 | 1942.6 |
| 70° | 1665.1 | 1669.4 |
| 72.5° | 1413.6 | 1413.6 |
| 75° | 1153.4 | 1157.8 |
| 77.5° | 906.2 | 906.2 |
| 80° | 672.1 | 676.5 |
| 82.5° | 464.0 | 472.7 |
| 85° | 290.5 | 290.5 |
| 87.5° | 134.4 | 121.4 |
| 90° | 60.7 | 60.7 |
| 92.5° | 243.3 | 195.0 |
| 95° | 847.9 | 701.6 |
| 97.5° | 2031.6 | 1753.2 |
| 100° | 2927.2 | 2595.4 |
| 102.5° | 3808.1 | 3524.0 |
| 105° | 4931.3 | 4778.6 |
| 107.5° | 5667.0 | 5703.9 |
| 110° | 5947.5 | 6106.7 |



TEST NUMBER: P938525
CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5972.6 | 6216.9 |
| 115° | 5814.1 | 6153.0 |
| 117.5° | 5478.4 | 5854.1 |
| 120° | 5207.7 | 5572.8 |
| 122.5° | 4944.3 | 5304.4 |
| 125° | 4568.3 | 4900.0 |
| 127.5° | 4230.2 | 4510.1 |
| 130° | 4031.0 | 4289.5 |
| 132.5° | 3850.2 | 4081.7 |
| 135° | 3602.5 | 3802.1 |
| 137.5° | 3403.8 | 3567.1 |
| 140° | 3267.4 | 3420.1 |
| 142.5° | 3154.5 | 3285.8 |
| 145° | 2985.1 | 3084.5 |
| 147.5° | 2855.1 | 2937.4 |
| 150° | 2773.2 | 2840.0 |
| 152.5° | 2703.2 | 2753.6 |
| 155° | 2622.8 | 2656.2 |
| 157.5° | 2559.2 | 2582.6 |
| 160° | 2521.2 | 2534.7 |
| 162.5° | 2496.4 | 2509.2 |
| 165° | 2460.5 | 2474.0 |
| 167.5° | 2434.7 | 2440.4 |
| 170° | 2427.6 | 2427.6 |
| 172.5° | 2408.6 | 2403.7 |
| 175° | 2397.3 | 2397.3 |
| 177.5° | 2386.9 | 2381.3 |
| 180° | 2381.3 | 2381.3 |



TEST NUMBER: P938525
 CATALOG NUMBER: SQ4-FB-150U-125D-92765-1D-UNV-STD-W-12-2700K

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 | 5.02 | 5.83 | 6.05 | 6.87 | 8.27 | 18.21 | 19.02 | 19.24 | 20.06 | 21.46 |
| | 3H | 5.72 | 6.45 | 6.76 | 7.50 | 8.92 | 20.05 | 20.78 | 21.09 | 21.83 | 23.25 |
| | 4H | 6.02 | 6.71 | 7.07 | 7.76 | 9.19 | 20.70 | 21.39 | 21.75 | 22.44 | 23.87 |
| | 6H | 6.26 | 6.90 | 7.33 | 7.96 | 9.40 | 21.13 | 21.77 | 22.19 | 22.82 | 24.26 |
| | 8H | 6.33 | 6.94 | 7.40 | 8.01 | 9.44 | 21.25 | 21.86 | 22.32 | 22.93 | 24.37 |
| | 12H | 6.35 | 6.92 | 7.42 | 7.99 | 9.45 | 21.32 | 21.90 | 22.39 | 22.96 | 24.42 |
| 4H | 2H | 12.24 | 12.93 | 13.29 | 13.98 | 15.41 | 18.48 | 19.17 | 19.54 | 20.22 | 21.65 |
| | 3H | 13.80 | 14.38 | 14.87 | 15.46 | 16.90 | 20.53 | 21.10 | 21.59 | 22.18 | 23.62 |
| | 4H | 13.89 | 14.42 | 14.96 | 15.49 | 16.95 | 21.29 | 21.82 | 22.37 | 22.89 | 24.35 |
| | 6H | 13.90 | 14.36 | 14.98 | 15.45 | 16.90 | 21.83 | 22.29 | 22.92 | 23.38 | 24.84 |
| | 8H | 13.87 | 14.30 | 14.96 | 15.39 | 16.86 | 22.00 | 22.42 | 23.08 | 23.51 | 24.98 |
| | 12H | 13.83 | 14.21 | 14.93 | 15.31 | 16.79 | 22.09 | 22.48 | 23.19 | 23.58 | 25.05 |
| 8H | 4H | 15.34 | 15.76 | 16.42 | 16.85 | 18.32 | 21.35 | 21.78 | 22.43 | 22.86 | 24.33 |
| | 6H | 15.58 | 15.93 | 16.68 | 17.06 | 18.52 | 21.98 | 22.33 | 23.09 | 23.46 | 24.93 |
| | 8H | 15.59 | 15.90 | 16.70 | 17.01 | 18.50 | 22.20 | 22.51 | 23.31 | 23.62 | 25.11 |
| | 12H | 15.56 | 15.83 | 16.67 | 16.94 | 18.46 | 22.35 | 22.62 | 23.46 | 23.73 | 25.25 |
| 12H | 4H | 15.48 | 15.86 | 16.58 | 16.96 | 18.44 | 21.30 | 21.69 | 22.40 | 22.78 | 24.26 |
| | 6H | 15.83 | 16.15 | 16.95 | 17.25 | 18.74 | 21.96 | 22.27 | 23.07 | 23.38 | 24.87 |
| | 8H | 15.90 | 16.17 | 17.02 | 17.28 | 18.81 | 22.19 | 22.47 | 23.31 | 23.57 | 25.10 |