

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: P938078

Luminaire Tested: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938078
REPORT IS A COMBINATION OF REPORTS P933591 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

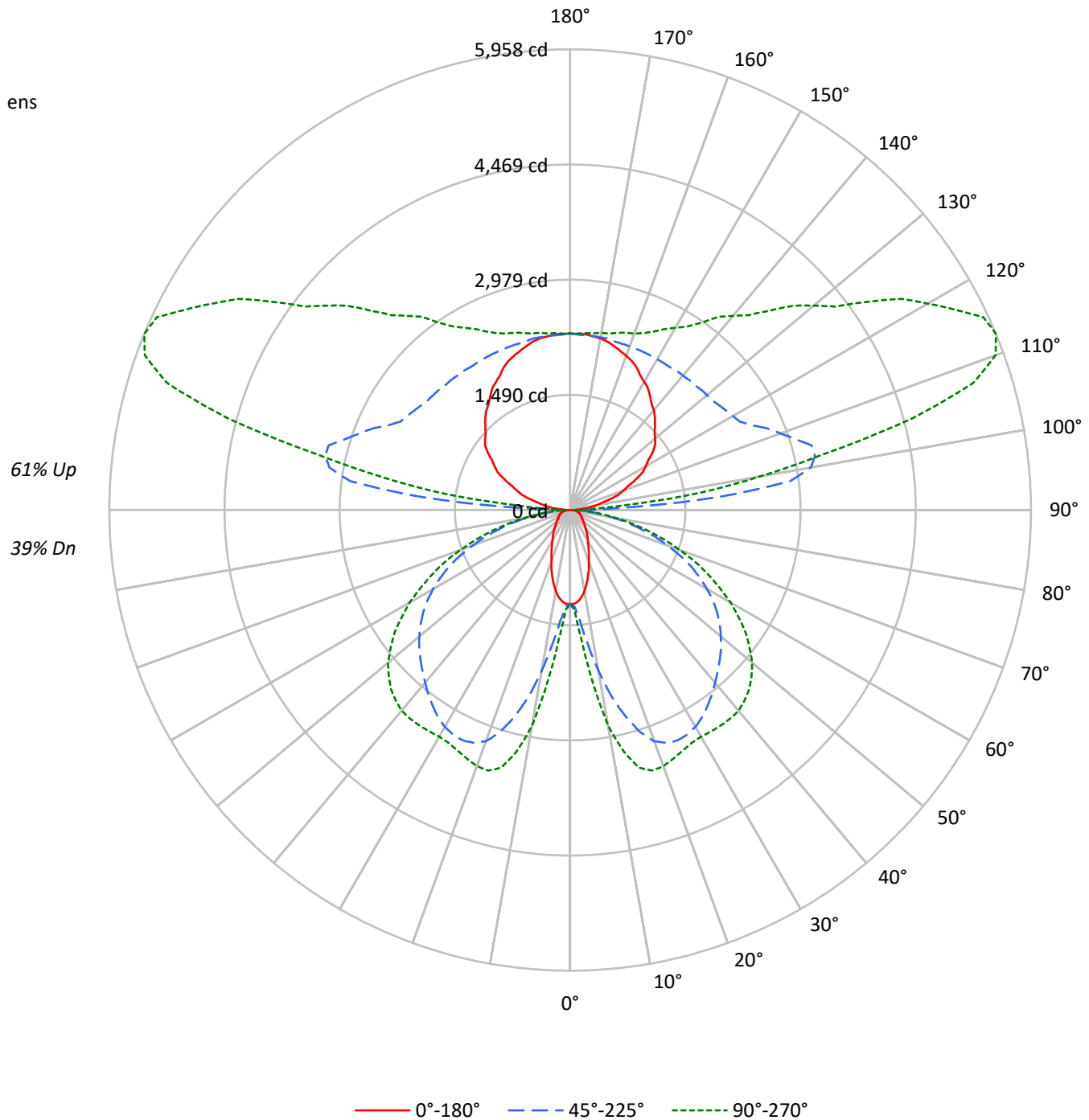
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24204.3 lumens
Efficiency: N/A
Efficacy: 125.3 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: Semi-Indirect

Input Watts (W): 193.2
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: P938078
CATALOG NUMBER: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P938078

CATALOG NUMBER: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K

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 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1 | 95 | 90 | 86 | 83 | 86 | 82 | 79 | 76 | 67 | 65 | 62 | 53 | 51 | 50 | 40 | 39 | 38 | 32 |
| 2 | 86 | 78 | 72 | 67 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 31 | 26 |
| 3 | 78 | 68 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 40 | 37 | 34 | 30 | 28 | 26 | 21 |
| 4 | 71 | 60 | 52 | 46 | 64 | 55 | 48 | 42 | 45 | 40 | 35 | 35 | 32 | 29 | 27 | 24 | 22 | 18 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 41 | 36 | 40 | 34 | 30 | 31 | 27 | 24 | 24 | 21 | 19 | 15 |
| 6 | 60 | 47 | 39 | 33 | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 26 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8 | 51 | 38 | 31 | 25 | 46 | 35 | 28 | 23 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 19 | 15 | 13 | 15 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 3759 | 3759 | 3759 |
| 5° | 3674 | 4346 | 5053 |
| 10° | 3334 | 6337 | 8377 |
| 15° | 2834 | 8281 | 10116 |
| 20° | 2308 | 9599 | 10309 |
| 25° | 1927 | 10047 | 10100 |
| 30° | 1625 | 10113 | 10081 |
| 35° | 1438 | 9948 | 10341 |
| 40° | 1254 | 9732 | 10611 |
| 45° | 1136 | 9575 | 10652 |
| 50° | 1043 | 9435 | 10476 |
| 55° | 1000 | 9228 | 10012 |
| 60° | 1024 | 8827 | 9279 |
| 65° | 1068 | 8214 | 8271 |
| 70° | 1141 | 7169 | 6987 |
| 75° | 1268 | 5850 | 5453 |
| 80° | 1395 | 4063 | 3674 |
| 85° | 1264 | 2159 | 1881 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10652 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 157.2 | 0.6 |
| 10°-20° | 696.8 | 2.9 |
| 20°-30° | 1218.8 | 5.0 |
| 30°-40° | 1569.0 | 6.5 |
| 40°-50° | 1752.5 | 7.2 |
| 50°-60° | 1678.5 | 6.9 |
| 60°-70° | 1330.2 | 5.5 |
| 70°-80° | 782.2 | 3.2 |
| 80°-90° | 226.0 | 0.9 |
| 90°-100° | 1112.3 | 4.6 |
| 100°-110° | 2924.4 | 12.1 |
| 110°-120° | 3032.3 | 12.5 |
| 120°-130° | 2432.3 | 10.0 |
| 130°-140° | 1908.5 | 7.9 |
| 140°-150° | 1464.8 | 6.1 |
| 150°-160° | 1054.9 | 4.4 |
| 160°-170° | 645.5 | 2.7 |
| 170°-180° | 218.1 | 0.9 |
| 0°-30° | 2072.8 | 8.6 |
| 0°-40° | 3641.8 | 15.0 |
| 0°-60° | 7072.8 | 29.2 |
| 0°-90° | 9411.2 | 38.9 |
| 90°-120° | 7069.1 | 29.2 |
| 90°-150° | 12874.7 | 53.2 |
| 90°-180° | 14793.0 | 61.1 |
| 0°-180° | 24204.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1215 | 1215 | 1215 | 1215 | 1215 | |
| 5° | 1184 | 1270 | 1430 | 1618 | 1677 | 109 |
| 15° | 887 | 1638 | 2759 | 3345 | 3451 | 247 |
| 25° | 567 | 1856 | 3287 | 3431 | 3435 | 261 |
| 35° | 383 | 1774 | 3095 | 3271 | 3400 | 239 |
| 45° | 262 | 1415 | 2736 | 3134 | 3275 | 203 |
| 55° | 188 | 899 | 2321 | 2697 | 2771 | 171 |
| 65° | 148 | 477 | 1723 | 1938 | 1966 | 147 |
| 75° | 109 | 293 | 946 | 1040 | 1044 | 115 |
| 85° | 39 | 90 | 234 | 258 | 262 | 41 |
| 90° | 15 | 43 | 116 | 58 | 58 | 15 |
| 95° | 147 | 576 | 1916 | 988 | 672 | 163 |
| 105° | 527 | 798 | 3233 | 4908 | 4579 | 559 |
| 115° | 936 | 1136 | 2590 | 5166 | 5896 | 924 |
| 125° | 1302 | 1460 | 2356 | 3980 | 4696 | 1156 |
| 135° | 1552 | 1708 | 2282 | 3213 | 3644 | 1200 |
| 145° | 1800 | 1914 | 2253 | 2741 | 2956 | 1127 |
| 155° | 2034 | 2090 | 2253 | 2473 | 2545 | 935 |
| 165° | 2195 | 2224 | 2253 | 2342 | 2371 | 619 |
| 175° | 2282 | 2282 | 2268 | 2297 | 2297 | 217 |
| 180° | 2282 | 2282 | 2282 | 2282 | 2282 | |



TEST NUMBER: P938078

CATALOG NUMBER: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1215.4 | 1215.4 | 1215.4 | 1215.4 | 1215.4 | 1215.4 | 1215.4 | 1215.4 | 1215.4 | 1215.4 | 1215.4 |
| 2.5° | 1215.4 | 1215.4 | 1223.2 | 1227.2 | 1235.0 | 1238.9 | 1246.7 | 1254.5 | 1278.0 | 1281.9 | 1289.7 |
| 5° | 1184.2 | 1199.8 | 1250.6 | 1270.2 | 1324.9 | 1399.1 | 1430.4 | 1481.2 | 1586.7 | 1617.9 | 1637.5 |
| 7.5° | 1137.3 | 1172.5 | 1297.5 | 1328.7 | 1465.5 | 1660.9 | 1743.1 | 1852.4 | 2020.5 | 2102.5 | 2169.0 |
| 10° | 1063.0 | 1137.3 | 1360.0 | 1434.2 | 1657.1 | 1954.1 | 2106.5 | 2258.9 | 2512.9 | 2626.2 | 2669.2 |
| 12.5° | 981.0 | 1102.1 | 1426.4 | 1528.1 | 1848.6 | 2282.3 | 2466.0 | 2634.1 | 2923.3 | 3075.7 | 3099.1 |
| 15° | 887.1 | 1051.3 | 1489.0 | 1637.5 | 2051.8 | 2555.9 | 2759.1 | 2966.3 | 3236.0 | 3345.3 | 3372.7 |
| 17.5° | 805.1 | 1012.2 | 1547.6 | 1703.9 | 2208.0 | 2802.1 | 3009.3 | 3181.2 | 3400.0 | 3474.3 | 3493.9 |
| 20° | 703.4 | 949.7 | 1586.7 | 1789.9 | 2372.2 | 2981.9 | 3181.2 | 3314.0 | 3462.5 | 3509.5 | 3517.3 |
| 22.5° | 629.2 | 883.3 | 1610.1 | 1821.1 | 2481.7 | 3091.3 | 3259.3 | 3364.9 | 3466.5 | 3482.2 | 3486.0 |
| 25° | 566.7 | 809.0 | 1606.2 | 1856.3 | 2575.4 | 3157.8 | 3286.7 | 3364.9 | 3423.5 | 3431.3 | 3431.3 |
| 27.5° | 508.1 | 726.9 | 1590.6 | 1864.1 | 2645.8 | 3173.3 | 3275.0 | 3329.7 | 3357.0 | 3372.7 | 3372.7 |
| 30° | 457.2 | 648.8 | 1551.5 | 1848.6 | 2677.1 | 3157.8 | 3239.8 | 3267.2 | 3294.5 | 3318.0 | 3329.7 |
| 32.5° | 418.2 | 574.4 | 1492.9 | 1817.3 | 2680.9 | 3118.7 | 3177.3 | 3193.0 | 3232.0 | 3286.7 | 3306.3 |
| 35° | 383.0 | 500.2 | 1426.4 | 1774.3 | 2657.5 | 3056.1 | 3095.3 | 3110.8 | 3189.0 | 3271.1 | 3298.5 |
| 37.5° | 347.9 | 445.6 | 1340.5 | 1700.1 | 2622.4 | 2981.9 | 3009.3 | 3036.6 | 3157.8 | 3255.5 | 3286.7 |
| 40° | 312.7 | 398.6 | 1238.9 | 1617.9 | 2567.6 | 2892.0 | 2915.4 | 2958.4 | 3118.7 | 3232.0 | 3263.3 |
| 42.5° | 285.2 | 359.6 | 1129.5 | 1531.9 | 2497.2 | 2790.4 | 2825.6 | 2888.1 | 3071.8 | 3193.0 | 3228.1 |
| 45° | 261.9 | 320.4 | 1012.2 | 1414.7 | 2407.4 | 2684.9 | 2735.7 | 2821.6 | 3017.1 | 3134.3 | 3165.6 |
| 47.5° | 238.4 | 293.1 | 891.0 | 1293.6 | 2309.7 | 2579.4 | 2645.8 | 2743.4 | 2942.8 | 3056.1 | 3083.5 |
| 50° | 218.9 | 265.7 | 769.9 | 1164.7 | 2204.2 | 2466.0 | 2544.2 | 2645.8 | 2849.0 | 2954.5 | 2989.7 |
| 52.5° | 203.2 | 242.3 | 656.6 | 1035.7 | 2083.0 | 2348.8 | 2438.7 | 2544.2 | 2735.7 | 2837.3 | 2860.8 |
| 55° | 187.6 | 222.7 | 558.9 | 898.8 | 1958.0 | 2223.7 | 2321.4 | 2423.0 | 2610.6 | 2696.6 | 2712.2 |
| 57.5° | 179.7 | 207.2 | 476.8 | 769.9 | 1825.1 | 2083.0 | 2192.5 | 2286.2 | 2462.1 | 2528.5 | 2544.2 |
| 60° | 168.0 | 195.4 | 414.2 | 660.4 | 1680.4 | 1950.1 | 2044.0 | 2137.7 | 2286.2 | 2341.0 | 2352.7 |
| 62.5° | 156.3 | 187.6 | 367.4 | 554.9 | 1531.9 | 1793.8 | 1887.6 | 1973.6 | 2098.7 | 2137.7 | 2153.3 |
| 65° | 148.5 | 179.7 | 332.2 | 476.8 | 1379.6 | 1629.7 | 1723.4 | 1797.8 | 1899.3 | 1938.4 | 1946.3 |
| 67.5° | 140.7 | 172.0 | 304.9 | 410.4 | 1227.2 | 1465.5 | 1535.9 | 1606.2 | 1684.4 | 1723.4 | 1727.4 |
| 70° | 129.0 | 164.2 | 281.4 | 363.4 | 1070.8 | 1278.0 | 1336.6 | 1410.9 | 1473.4 | 1492.9 | 1504.6 |
| 72.5° | 121.2 | 152.4 | 265.7 | 328.2 | 910.6 | 1098.2 | 1152.9 | 1195.9 | 1250.6 | 1270.2 | 1270.2 |
| 75° | 109.4 | 136.8 | 250.1 | 293.1 | 746.4 | 898.8 | 945.8 | 988.8 | 1031.8 | 1039.5 | 1027.8 |
| 77.5° | 97.7 | 121.2 | 214.9 | 246.2 | 582.3 | 711.3 | 750.3 | 773.8 | 809.0 | 816.8 | 820.7 |
| 80° | 82.0 | 105.5 | 168.0 | 191.5 | 422.1 | 523.7 | 551.1 | 570.6 | 601.9 | 601.9 | 609.6 |
| 82.5° | 62.5 | 82.0 | 121.2 | 136.8 | 285.2 | 359.6 | 383.0 | 394.7 | 414.2 | 414.2 | 414.2 |
| 85° | 39.0 | 50.8 | 78.2 | 89.9 | 172.0 | 218.9 | 234.5 | 238.4 | 254.0 | 257.9 | 257.9 |
| 87.5° | 19.5 | 27.3 | 50.8 | 54.7 | 89.9 | 113.3 | 113.3 | 121.2 | 121.2 | 117.2 | 113.3 |
| 90° | 15.3 | 27.5 | 39.8 | 42.9 | 67.3 | 100.0 | 116.3 | 103.4 | 77.6 | 58.2 | 58.2 |
| 92.5° | 61.2 | 165.4 | 269.6 | 295.6 | 415.6 | 575.5 | 655.5 | 574.4 | 412.4 | 291.0 | 279.4 |
| 95° | 147.0 | 337.6 | 528.2 | 575.8 | 1022.5 | 1618.1 | 1915.9 | 1709.6 | 1297.2 | 987.9 | 952.8 |
| 97.5° | 254.2 | 422.3 | 590.5 | 632.5 | 1377.3 | 2370.4 | 2867.0 | 2736.6 | 2475.9 | 2280.4 | 2213.7 |
| 100° | 336.9 | 489.5 | 641.9 | 680.0 | 1506.5 | 2608.6 | 3159.5 | 3169.1 | 3188.1 | 3202.4 | 3123.0 |
| 102.5° | 407.4 | 549.7 | 691.9 | 727.5 | 1565.8 | 2683.4 | 3242.3 | 3408.3 | 3740.5 | 3989.7 | 3921.6 |
| 105° | 526.8 | 647.3 | 767.8 | 798.0 | 1609.6 | 2691.9 | 3233.0 | 3605.3 | 4350.0 | 4908.5 | 4871.9 |
| 107.5° | 649.4 | 761.7 | 874.0 | 902.1 | 1617.8 | 2572.2 | 3049.3 | 3568.6 | 4607.3 | 5386.3 | 5395.2 |
| 110° | 732.1 | 833.5 | 934.9 | 960.3 | 1605.5 | 2465.9 | 2896.1 | 3476.7 | 4637.9 | 5508.9 | 5547.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 813.3 | 909.9 | 1006.5 | 1030.7 | 1606.0 | 2373.2 | 2756.8 | 3351.0 | 4539.4 | 5430.8 | 5489.4 |
| 115° | 935.7 | 1024.8 | 1114.1 | 1136.4 | 1620.9 | 2266.8 | 2589.8 | 3162.3 | 4307.1 | 5165.9 | 5247.0 |
| 117.5° | 1056.8 | 1137.7 | 1218.8 | 1239.0 | 1651.0 | 2200.3 | 2475.0 | 2991.6 | 4024.9 | 4799.7 | 4889.8 |
| 120° | 1127.2 | 1203.4 | 1279.7 | 1298.8 | 1675.5 | 2177.9 | 2429.0 | 2901.1 | 3845.2 | 4553.2 | 4640.7 |
| 122.5° | 1196.1 | 1273.0 | 1349.9 | 1369.2 | 1710.7 | 2166.1 | 2393.8 | 2818.9 | 3669.0 | 4306.7 | 4392.9 |
| 125° | 1301.8 | 1371.9 | 1442.0 | 1459.6 | 1758.2 | 2156.4 | 2355.5 | 2716.5 | 3438.8 | 3980.4 | 4059.9 |
| 127.5° | 1387.6 | 1458.4 | 1529.2 | 1546.8 | 1805.7 | 2150.8 | 2323.3 | 2633.3 | 3253.4 | 3718.5 | 3785.5 |
| 130° | 1433.5 | 1509.8 | 1586.0 | 1605.0 | 1840.4 | 2154.2 | 2311.1 | 2587.1 | 3139.1 | 3553.1 | 3615.1 |
| 132.5° | 1481.0 | 1557.2 | 1633.5 | 1652.5 | 1868.5 | 2156.4 | 2300.3 | 2547.4 | 3041.6 | 3412.3 | 3467.8 |
| 135° | 1551.5 | 1620.9 | 1690.3 | 1707.7 | 1899.1 | 2154.4 | 2282.0 | 2489.0 | 2902.8 | 3213.2 | 3261.0 |
| 137.5° | 1623.4 | 1692.2 | 1760.9 | 1778.1 | 1945.0 | 2167.6 | 2278.9 | 2453.9 | 2803.7 | 3066.1 | 3105.2 |
| 140° | 1683.1 | 1746.4 | 1809.7 | 1825.6 | 1973.1 | 2169.8 | 2268.2 | 2419.2 | 2721.5 | 2948.1 | 2984.7 |
| 142.5° | 1729.0 | 1787.6 | 1846.2 | 1860.8 | 1996.6 | 2177.7 | 2268.2 | 2400.9 | 2666.4 | 2865.5 | 2897.0 |
| 145° | 1799.5 | 1850.6 | 1901.7 | 1914.4 | 2027.2 | 2177.7 | 2252.9 | 2361.5 | 2578.6 | 2741.4 | 2765.2 |
| 147.5° | 1869.9 | 1919.6 | 1969.3 | 1981.8 | 2072.2 | 2192.7 | 2252.9 | 2338.3 | 2509.2 | 2637.3 | 2657.0 |
| 150° | 1915.9 | 1960.9 | 2005.8 | 2017.1 | 2095.6 | 2200.5 | 2252.9 | 2325.1 | 2469.3 | 2577.5 | 2593.5 |
| 152.5° | 1963.4 | 1997.4 | 2031.6 | 2040.0 | 2111.0 | 2205.6 | 2252.9 | 2314.5 | 2437.7 | 2530.1 | 2542.2 |
| 155° | 2033.8 | 2059.1 | 2084.2 | 2090.5 | 2144.6 | 2216.8 | 2252.9 | 2301.9 | 2399.9 | 2473.4 | 2481.4 |
| 157.5° | 2086.0 | 2110.4 | 2135.0 | 2141.1 | 2178.4 | 2228.1 | 2252.9 | 2291.0 | 2367.2 | 2424.4 | 2430.0 |
| 160° | 2121.2 | 2140.2 | 2159.3 | 2164.1 | 2193.7 | 2233.2 | 2252.9 | 2285.5 | 2350.9 | 2399.9 | 2403.2 |
| 162.5° | 2156.4 | 2170.7 | 2185.0 | 2188.5 | 2210.0 | 2238.6 | 2252.9 | 2280.5 | 2335.6 | 2377.0 | 2380.0 |
| 165° | 2194.6 | 2207.6 | 2220.5 | 2223.7 | 2233.5 | 2246.4 | 2252.9 | 2272.6 | 2312.1 | 2341.7 | 2344.9 |
| 167.5° | 2229.9 | 2236.1 | 2242.2 | 2243.6 | 2251.8 | 2262.8 | 2268.2 | 2281.1 | 2306.9 | 2326.4 | 2327.7 |
| 170° | 2252.9 | 2259.0 | 2265.1 | 2266.6 | 2267.1 | 2267.8 | 2268.2 | 2281.1 | 2306.9 | 2326.4 | 2326.4 |
| 172.5° | 2265.1 | 2266.5 | 2267.9 | 2268.2 | 2268.2 | 2268.2 | 2268.2 | 2278.4 | 2298.9 | 2314.1 | 2313.0 |
| 175° | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2277.4 | 2271.3 | 2268.2 | 2274.7 | 2287.6 | 2297.3 | 2297.3 |
| 177.5° | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2278.4 | 2273.6 | 2271.3 | 2276.4 | 2286.5 | 2294.2 | 2292.8 |
| 180° | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2282.0 | 2282.0 |



TEST NUMBER: P938078

CATALOG NUMBER: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1215.4 | 1215.4 |
| 2.5° | 1297.5 | 1289.7 |
| 5° | 1668.8 | 1676.6 |
| 7.5° | 2247.2 | 2243.2 |
| 10° | 2794.3 | 2829.4 |
| 12.5° | 3193.0 | 3200.8 |
| 15° | 3435.2 | 3450.9 |
| 17.5° | 3529.0 | 3532.9 |
| 20° | 3532.9 | 3525.1 |
| 22.5° | 3489.9 | 3482.2 |
| 25° | 3439.2 | 3435.2 |
| 27.5° | 3392.2 | 3396.2 |
| 30° | 3372.7 | 3384.4 |
| 32.5° | 3372.7 | 3392.2 |
| 35° | 3380.5 | 3400.0 |
| 37.5° | 3376.6 | 3400.0 |
| 40° | 3361.0 | 3388.3 |
| 42.5° | 3318.0 | 3337.5 |
| 45° | 3251.5 | 3275.0 |
| 47.5° | 3165.6 | 3181.2 |
| 50° | 3056.1 | 3071.8 |
| 52.5° | 2919.3 | 2923.3 |
| 55° | 2755.2 | 2770.9 |
| 57.5° | 2579.4 | 2583.2 |
| 60° | 2384.0 | 2395.7 |
| 62.5° | 2176.8 | 2176.8 |
| 65° | 1958.0 | 1965.8 |
| 67.5° | 1731.3 | 1750.8 |
| 70° | 1500.7 | 1504.6 |
| 72.5° | 1274.0 | 1274.0 |
| 75° | 1039.5 | 1043.5 |
| 77.5° | 816.8 | 816.8 |
| 80° | 605.8 | 609.6 |
| 82.5° | 418.2 | 426.0 |
| 85° | 261.9 | 261.9 |
| 87.5° | 121.2 | 109.4 |
| 90° | 58.2 | 58.2 |
| 92.5° | 233.1 | 186.8 |
| 95° | 812.6 | 672.4 |
| 97.5° | 1946.9 | 1680.0 |
| 100° | 2805.1 | 2487.2 |
| 102.5° | 3649.3 | 3377.0 |
| 105° | 4725.6 | 4579.3 |
| 107.5° | 5430.6 | 5466.0 |
| 110° | 5699.5 | 5851.9 |



TEST NUMBER: P938078

CATALOG NUMBER: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5723.4 | 5957.6 |
| 115° | 5571.7 | 5896.4 |
| 117.5° | 5249.9 | 5609.9 |
| 120° | 4990.5 | 5340.4 |
| 122.5° | 4738.0 | 5083.1 |
| 125° | 4377.7 | 4695.6 |
| 127.5° | 4053.7 | 4321.9 |
| 130° | 3862.9 | 4110.6 |
| 132.5° | 3689.6 | 3911.5 |
| 135° | 3452.2 | 3643.5 |
| 137.5° | 3261.8 | 3418.4 |
| 140° | 3131.1 | 3277.5 |
| 142.5° | 3022.9 | 3148.8 |
| 145° | 2860.5 | 2955.8 |
| 147.5° | 2736.0 | 2814.9 |
| 150° | 2657.6 | 2721.6 |
| 152.5° | 2590.5 | 2638.8 |
| 155° | 2513.4 | 2545.4 |
| 157.5° | 2452.5 | 2475.0 |
| 160° | 2416.1 | 2429.0 |
| 162.5° | 2392.2 | 2404.5 |
| 165° | 2357.8 | 2370.8 |
| 167.5° | 2333.2 | 2338.6 |
| 170° | 2326.4 | 2326.4 |
| 172.5° | 2308.1 | 2303.4 |
| 175° | 2297.3 | 2297.3 |
| 177.5° | 2287.4 | 2282.0 |
| 180° | 2282.0 | 2282.0 |



TEST NUMBER: P938078
 CATALOG NUMBER: SQ4-FB-125U-100D-B2750-1D-UNV-STD-W-12-3000K

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 | 4.50 | 5.30 | 5.54 | 6.35 | 7.77 | 17.69 | 18.49 | 18.73 | 19.54 | 20.96 |
| | 3H | 5.20 | 5.92 | 6.25 | 6.98 | 8.41 | 19.53 | 20.25 | 20.58 | 21.31 | 22.74 |
| | 4H | 5.50 | 6.18 | 6.56 | 7.24 | 8.68 | 20.18 | 20.86 | 21.24 | 21.92 | 23.36 |
| | 6H | 5.74 | 6.37 | 6.81 | 7.43 | 8.89 | 20.61 | 21.24 | 21.68 | 22.30 | 23.76 |
| | 8H | 5.81 | 6.41 | 6.88 | 7.49 | 8.94 | 20.73 | 21.33 | 21.81 | 22.41 | 23.86 |
| | 12H | 5.82 | 6.39 | 6.91 | 7.47 | 8.94 | 20.80 | 21.37 | 21.88 | 22.44 | 23.92 |
| 4H | 2H | 11.72 | 12.40 | 12.78 | 13.46 | 14.90 | 17.96 | 18.64 | 19.03 | 19.70 | 21.14 |
| | 3H | 13.28 | 13.85 | 14.35 | 14.93 | 16.39 | 20.00 | 20.57 | 21.08 | 21.66 | 23.12 |
| | 4H | 13.37 | 13.89 | 14.45 | 14.97 | 16.45 | 20.77 | 21.29 | 21.85 | 22.37 | 23.85 |
| | 6H | 13.38 | 13.82 | 14.47 | 14.93 | 16.40 | 21.31 | 21.76 | 22.40 | 22.86 | 24.33 |
| | 8H | 13.35 | 13.77 | 14.44 | 14.86 | 16.35 | 21.47 | 21.89 | 22.56 | 22.99 | 24.48 |
| | 12H | 13.30 | 13.68 | 14.41 | 14.79 | 16.29 | 21.57 | 21.95 | 22.68 | 23.05 | 24.55 |
| 8H | 4H | 14.81 | 15.23 | 15.90 | 16.33 | 17.81 | 20.82 | 21.24 | 21.92 | 22.34 | 23.83 |
| | 6H | 15.05 | 15.40 | 16.16 | 16.53 | 18.02 | 21.46 | 21.80 | 22.57 | 22.94 | 24.43 |
| | 8H | 15.07 | 15.37 | 16.19 | 16.49 | 18.00 | 21.68 | 21.98 | 22.80 | 23.10 | 24.61 |
| | 12H | 15.03 | 15.30 | 16.16 | 16.41 | 17.96 | 21.82 | 22.09 | 22.95 | 23.20 | 24.75 |
| 12H | 4H | 14.95 | 15.33 | 16.06 | 16.44 | 17.93 | 20.77 | 21.15 | 21.88 | 22.26 | 23.76 |
| | 6H | 15.31 | 15.61 | 16.43 | 16.73 | 18.24 | 21.44 | 21.74 | 22.56 | 22.86 | 24.37 |
| | 8H | 15.38 | 15.64 | 16.50 | 16.76 | 18.30 | 21.67 | 21.94 | 22.79 | 23.05 | 24.59 |