

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: METALUX

Report Number: P894385

Luminaire Tested: 8TMB-10SL-FLT-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-10SL-FLT-UNV-L930
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

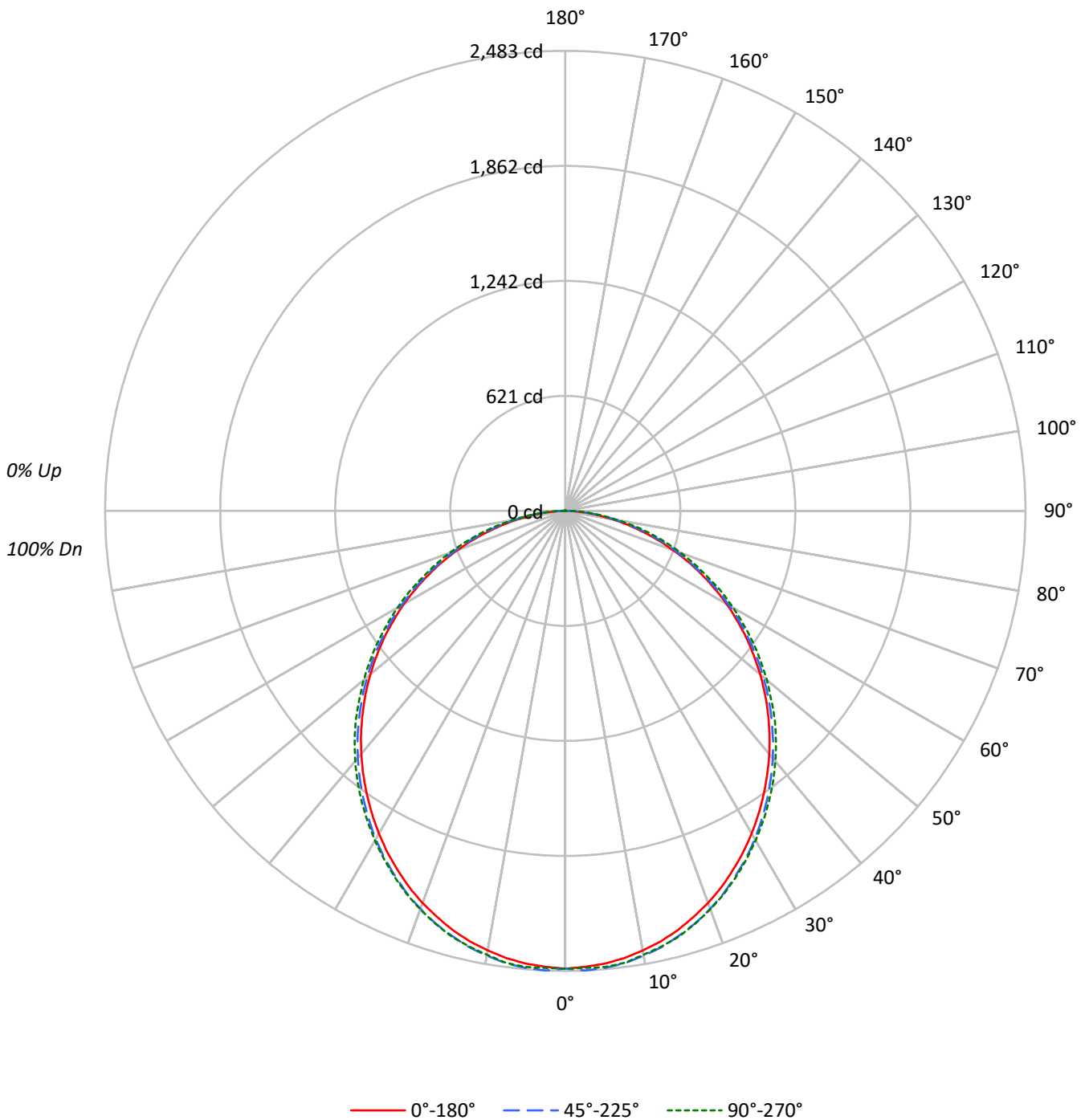
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6858.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 5.63
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P894385
CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L930

Luminous Intensity Polar Plot





TEST NUMBER: P894385
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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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 99 | 96 | 106 | 101 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 86 | 86 | 86 | 83 |
| 2 | 99 | 90 | 84 | 78 | 96 | 89 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 73 | 79 | 75 | 72 | 72 | 72 | 72 | 69 |
| 3 | 90 | 79 | 71 | 65 | 87 | 78 | 70 | 64 | 75 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 61 | 61 | 61 | 58 |
| 4 | 82 | 70 | 62 | 55 | 80 | 69 | 61 | 54 | 66 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 52 | 52 | 52 | 50 |
| 5 | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 47 | 60 | 52 | 46 | 58 | 51 | 46 | 56 | 50 | 45 | 45 | 45 | 45 | 43 |
| 6 | 70 | 57 | 48 | 41 | 68 | 56 | 47 | 41 | 54 | 46 | 41 | 52 | 45 | 40 | 51 | 45 | 40 | 40 | 40 | 40 | 38 |
| 7 | 65 | 51 | 43 | 36 | 63 | 51 | 42 | 36 | 49 | 41 | 36 | 48 | 41 | 36 | 46 | 40 | 35 | 35 | 35 | 35 | 33 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 44 | 37 | 32 | 42 | 36 | 32 | 32 | 32 | 32 | 30 |
| 9 | 56 | 43 | 35 | 29 | 55 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 29 | 29 | 29 | 27 |
| 10 | 53 | 40 | 32 | 27 | 52 | 39 | 32 | 26 | 38 | 31 | 26 | 37 | 31 | 26 | 36 | 30 | 26 | 26 | 26 | 26 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8766 | 8766 | 8766 |
| 5° | 8735 | 8818 | 8799 |
| 10° | 8679 | 8784 | 8764 |
| 15° | 8603 | 8716 | 8730 |
| 20° | 8502 | 8632 | 8638 |
| 25° | 8376 | 8511 | 8532 |
| 30° | 8240 | 8380 | 8417 |
| 35° | 8085 | 8225 | 8296 |
| 40° | 7933 | 8067 | 8168 |
| 45° | 7759 | 7887 | 8022 |
| 50° | 7577 | 7697 | 7837 |
| 55° | 7373 | 7484 | 7642 |
| 60° | 7136 | 7251 | 7418 |
| 65° | 6818 | 6954 | 7136 |
| 70° | 6416 | 6604 | 6905 |
| 75° | 5900 | 6148 | 6546 |
| 80° | 5210 | 5617 | 5913 |
| 85° | 4490 | 5154 | 5520 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8022 cd/sqm



TEST NUMBER: P894385
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 233.6 | 3.4 |
| 10°-20° | 665.9 | 9.7 |
| 20°-30° | 997.8 | 14.5 |
| 30°-40° | 1187.3 | 17.3 |
| 40°-50° | 1218.3 | 17.8 |
| 50°-60° | 1091.4 | 15.9 |
| 60°-70° | 829.3 | 12.1 |
| 70°-80° | 482.0 | 7.0 |
| 80°-90° | 144.6 | 2.1 |
| 90°-100° | 3.4 | 0.0 |
| 100°-110° | 0.6 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.3 | 0.0 |
| 130°-140° | 0.7 | 0.0 |
| 140°-150° | 1.1 | 0.0 |
| 150°-160° | 0.8 | 0.0 |
| 160°-170° | 0.5 | 0.0 |
| 170°-180° | 0.2 | 0.0 |
| 0°-30° | 1897.3 | 27.7 |
| 0°-40° | 3084.6 | 45.0 |
| 0°-60° | 5394.3 | 78.7 |
| 0°-90° | 6850.2 | 99.9 |
| 90°-120° | 4.1 | 0.1 |
| 90°-150° | 6.1 | 0.1 |
| 90°-180° | 8.0 | 0.1 |
| 0°-180° | 6858.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2470 | 2470 | 2470 | 2470 | 2470 | |
| 5° | 2452 | 2494 | 2476 | 2463 | 2470 | 233 |
| 15° | 2342 | 2387 | 2373 | 2369 | 2376 | 660 |
| 25° | 2140 | 2188 | 2174 | 2170 | 2179 | 986 |
| 35° | 1866 | 1912 | 1899 | 1904 | 1915 | 1168 |
| 45° | 1546 | 1584 | 1572 | 1584 | 1599 | 1193 |
| 55° | 1192 | 1221 | 1210 | 1224 | 1235 | 1065 |
| 65° | 812 | 832 | 828 | 843 | 850 | 804 |
| 75° | 430 | 447 | 448 | 465 | 478 | 457 |
| 85° | 110 | 119 | 127 | 136 | 136 | 120 |
| 90° | 2 | 7 | 7 | 13 | 11 | 8 |
| 95° | 0 | 2 | 2 | 4 | 5 | 0 |
| 105° | 0 | 0 | 0 | 2 | 2 | 0 |
| 115° | 0 | 0 | 0 | 0 | 0 | 0 |
| 125° | 0 | 0 | 0 | 0 | 0 | 1 |
| 135° | 0 | 0 | 2 | 0 | 0 | 1 |
| 145° | 2 | 2 | 2 | 2 | 2 | 1 |
| 155° | 2 | 2 | 2 | 2 | 2 | 1 |
| 165° | 2 | 2 | 2 | 2 | 2 | 1 |
| 175° | 4 | 4 | 4 | 2 | 2 | 0 |
| 180° | 2 | 2 | 2 | 2 | 2 | |



TEST NUMBER: P894385
 CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L930

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 |
| 2.5° | 2463.3 | 2459.7 | 2463.3 | 2461.5 | 2479.6 | 2501.3 | 2497.6 | 2481.4 | 2463.3 | 2468.7 | 2483.2 |
| 5° | 2452.4 | 2450.6 | 2456.0 | 2452.4 | 2470.5 | 2494.0 | 2486.8 | 2472.3 | 2456.0 | 2461.5 | 2475.9 |
| 7.5° | 2434.3 | 2434.3 | 2441.6 | 2438.0 | 2454.2 | 2477.7 | 2470.5 | 2457.9 | 2441.6 | 2447.0 | 2461.5 |
| 10° | 2409.0 | 2410.8 | 2419.9 | 2414.4 | 2428.9 | 2454.2 | 2447.0 | 2434.3 | 2419.9 | 2423.5 | 2438.0 |
| 12.5° | 2380.1 | 2380.1 | 2390.9 | 2385.5 | 2400.0 | 2423.5 | 2414.4 | 2405.4 | 2390.9 | 2394.6 | 2410.8 |
| 15° | 2342.1 | 2343.9 | 2356.6 | 2351.1 | 2363.8 | 2387.3 | 2378.3 | 2371.0 | 2358.4 | 2360.2 | 2372.9 |
| 17.5° | 2298.7 | 2304.1 | 2316.8 | 2311.4 | 2324.0 | 2347.5 | 2336.7 | 2329.4 | 2318.6 | 2320.4 | 2333.1 |
| 20° | 2251.7 | 2257.1 | 2269.8 | 2266.1 | 2275.2 | 2298.7 | 2287.8 | 2284.2 | 2273.4 | 2275.2 | 2286.0 |
| 22.5° | 2199.2 | 2204.7 | 2219.1 | 2215.5 | 2224.5 | 2248.1 | 2235.4 | 2233.6 | 2222.7 | 2224.5 | 2233.6 |
| 25° | 2139.5 | 2146.8 | 2163.1 | 2159.4 | 2166.7 | 2188.4 | 2177.5 | 2173.9 | 2166.7 | 2166.7 | 2173.9 |
| 27.5° | 2078.1 | 2085.3 | 2103.4 | 2097.9 | 2103.4 | 2126.9 | 2114.2 | 2112.4 | 2105.2 | 2105.2 | 2112.4 |
| 30° | 2011.1 | 2018.4 | 2038.3 | 2032.8 | 2038.3 | 2058.2 | 2045.5 | 2047.3 | 2040.1 | 2040.1 | 2045.5 |
| 32.5° | 1940.6 | 1946.0 | 1967.7 | 1964.1 | 1967.7 | 1987.6 | 1975.0 | 1976.8 | 1969.5 | 1971.3 | 1973.2 |
| 35° | 1866.5 | 1871.9 | 1895.4 | 1891.8 | 1893.6 | 1911.7 | 1902.6 | 1902.6 | 1897.2 | 1895.4 | 1899.0 |
| 37.5° | 1790.5 | 1795.9 | 1824.9 | 1815.8 | 1815.8 | 1833.9 | 1826.7 | 1826.7 | 1821.2 | 1819.4 | 1821.2 |
| 40° | 1712.7 | 1716.3 | 1747.1 | 1738.0 | 1736.2 | 1752.5 | 1747.1 | 1747.1 | 1743.5 | 1739.8 | 1741.7 |
| 42.5° | 1631.3 | 1636.8 | 1667.5 | 1660.3 | 1653.0 | 1671.1 | 1665.7 | 1667.5 | 1662.1 | 1658.5 | 1658.5 |
| 45° | 1546.3 | 1551.8 | 1582.5 | 1578.9 | 1568.0 | 1584.3 | 1578.9 | 1582.5 | 1575.3 | 1571.7 | 1571.7 |
| 47.5° | 1461.3 | 1468.6 | 1497.5 | 1492.1 | 1481.2 | 1497.5 | 1492.1 | 1495.7 | 1488.5 | 1484.8 | 1484.8 |
| 50° | 1372.7 | 1379.9 | 1410.7 | 1401.6 | 1390.8 | 1407.1 | 1403.5 | 1405.3 | 1399.8 | 1396.2 | 1394.4 |
| 52.5° | 1282.3 | 1291.3 | 1320.3 | 1309.4 | 1300.4 | 1314.8 | 1313.0 | 1314.8 | 1307.6 | 1305.8 | 1304.0 |
| 55° | 1191.9 | 1200.9 | 1228.0 | 1215.4 | 1208.1 | 1220.8 | 1217.2 | 1220.8 | 1213.6 | 1211.7 | 1209.9 |
| 57.5° | 1097.8 | 1106.8 | 1132.2 | 1119.5 | 1114.1 | 1124.9 | 1123.1 | 1124.9 | 1119.5 | 1117.7 | 1115.9 |
| 60° | 1005.6 | 1012.8 | 1036.3 | 1023.7 | 1018.2 | 1029.1 | 1025.5 | 1030.9 | 1023.7 | 1023.7 | 1021.8 |
| 62.5° | 907.9 | 916.9 | 940.5 | 926.0 | 922.4 | 931.4 | 927.8 | 933.2 | 929.6 | 926.0 | 924.2 |
| 65° | 812.1 | 817.5 | 839.2 | 826.5 | 821.1 | 831.9 | 830.1 | 833.8 | 828.3 | 830.1 | 828.3 |
| 67.5° | 716.2 | 719.8 | 741.5 | 727.0 | 723.4 | 734.3 | 736.1 | 734.3 | 730.7 | 732.5 | 730.7 |
| 70° | 618.5 | 622.2 | 640.2 | 627.6 | 625.8 | 634.8 | 638.4 | 636.6 | 633.0 | 634.8 | 636.6 |
| 72.5° | 524.5 | 526.3 | 542.6 | 531.7 | 529.9 | 540.8 | 540.8 | 540.8 | 540.8 | 540.8 | 544.4 |
| 75° | 430.4 | 432.2 | 446.7 | 437.7 | 435.9 | 446.7 | 446.7 | 446.7 | 446.7 | 450.3 | 448.5 |
| 77.5° | 340.0 | 338.2 | 352.7 | 347.2 | 343.6 | 354.5 | 354.5 | 356.3 | 359.9 | 363.5 | 358.1 |
| 80° | 255.0 | 253.2 | 264.1 | 256.8 | 256.8 | 267.7 | 265.9 | 267.7 | 271.3 | 273.1 | 274.9 |
| 82.5° | 179.0 | 175.4 | 184.5 | 182.7 | 180.9 | 189.9 | 191.7 | 189.9 | 195.3 | 197.1 | 197.1 |
| 85° | 110.3 | 110.3 | 115.7 | 112.1 | 112.1 | 119.4 | 119.4 | 121.2 | 124.8 | 126.6 | 126.6 |
| 87.5° | 52.4 | 50.6 | 56.1 | 54.3 | 52.4 | 57.9 | 57.9 | 59.7 | 61.5 | 63.3 | 61.5 |
| 90° | 1.8 | 1.8 | 3.6 | 3.6 | 3.6 | 7.2 | 7.2 | 7.2 | 9.0 | 9.0 | 7.2 |
| 92.5° | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.6 | 3.6 | 3.6 | 3.6 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 |



TEST NUMBER: P894385
 CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L930

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 1.8 |
| 132.5° | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.8 |
| 137.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 140° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 142.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 145° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 147.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 150° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 152.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 155° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 157.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 160° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 162.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 165° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 167.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 170° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 172.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 175° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 3.6 | 3.6 |
| 177.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 180° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |



TEST NUMBER: P894385
 CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L930

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 | 2470.5 |
| 2.5° | 2461.5 | 2448.8 | 2443.4 | 2447.0 | 2472.3 | 2447.0 | 2474.1 | 2483.2 | 2450.6 | 2468.7 |
| 5° | 2454.2 | 2441.6 | 2434.3 | 2438.0 | 2463.3 | 2439.8 | 2468.7 | 2479.6 | 2452.4 | 2470.5 |
| 7.5° | 2439.8 | 2425.3 | 2421.7 | 2427.1 | 2448.8 | 2428.9 | 2457.9 | 2468.7 | 2441.6 | 2459.7 |
| 10° | 2418.1 | 2405.4 | 2401.8 | 2407.2 | 2427.1 | 2407.2 | 2432.5 | 2441.6 | 2416.3 | 2432.5 |
| 12.5° | 2390.9 | 2378.3 | 2374.7 | 2381.9 | 2400.0 | 2381.9 | 2407.2 | 2416.3 | 2390.9 | 2407.2 |
| 15° | 2356.6 | 2343.9 | 2342.1 | 2353.0 | 2369.2 | 2353.0 | 2378.3 | 2385.5 | 2360.2 | 2376.5 |
| 17.5° | 2315.0 | 2302.3 | 2304.1 | 2316.8 | 2329.4 | 2315.0 | 2338.5 | 2345.7 | 2322.2 | 2334.9 |
| 20° | 2269.8 | 2255.3 | 2258.9 | 2269.8 | 2280.6 | 2266.1 | 2289.7 | 2296.9 | 2275.2 | 2287.8 |
| 22.5° | 2217.3 | 2202.8 | 2206.5 | 2219.1 | 2226.4 | 2213.7 | 2235.4 | 2242.6 | 2224.5 | 2237.2 |
| 25° | 2159.4 | 2146.8 | 2152.2 | 2164.9 | 2170.3 | 2159.4 | 2179.3 | 2184.8 | 2168.5 | 2179.3 |
| 27.5° | 2101.6 | 2087.1 | 2094.3 | 2107.0 | 2110.6 | 2099.8 | 2119.7 | 2123.3 | 2107.0 | 2117.8 |
| 30° | 2036.5 | 2022.0 | 2031.0 | 2045.5 | 2045.5 | 2038.3 | 2054.5 | 2058.2 | 2045.5 | 2054.5 |
| 32.5° | 1964.1 | 1953.3 | 1964.1 | 1976.8 | 1975.0 | 1969.5 | 1985.8 | 1989.4 | 1978.6 | 1985.8 |
| 35° | 1891.8 | 1882.7 | 1893.6 | 1906.2 | 1904.4 | 1899.0 | 1915.3 | 1917.1 | 1908.0 | 1915.3 |
| 37.5° | 1817.6 | 1810.4 | 1821.2 | 1832.1 | 1828.5 | 1824.9 | 1839.3 | 1839.3 | 1833.9 | 1841.1 |
| 40° | 1741.7 | 1734.4 | 1743.5 | 1756.1 | 1748.9 | 1748.9 | 1757.9 | 1761.6 | 1756.1 | 1763.4 |
| 42.5° | 1662.1 | 1654.8 | 1665.7 | 1676.5 | 1669.3 | 1667.5 | 1678.4 | 1680.2 | 1676.5 | 1682.0 |
| 45° | 1578.9 | 1571.7 | 1582.5 | 1591.5 | 1584.3 | 1584.3 | 1593.4 | 1593.4 | 1591.5 | 1598.8 |
| 47.5° | 1493.9 | 1488.5 | 1497.5 | 1506.5 | 1499.3 | 1504.7 | 1504.7 | 1504.7 | 1508.4 | 1506.5 |
| 50° | 1407.1 | 1401.6 | 1408.9 | 1419.7 | 1410.7 | 1412.5 | 1416.1 | 1416.1 | 1417.9 | 1419.7 |
| 52.5° | 1316.6 | 1309.4 | 1316.6 | 1329.3 | 1316.6 | 1322.1 | 1323.9 | 1325.7 | 1331.1 | 1327.5 |
| 55° | 1226.2 | 1219.0 | 1226.2 | 1237.1 | 1224.4 | 1231.6 | 1231.6 | 1233.4 | 1238.9 | 1235.3 |
| 57.5° | 1132.2 | 1124.9 | 1135.8 | 1143.0 | 1130.4 | 1137.6 | 1137.6 | 1141.2 | 1144.8 | 1139.4 |
| 60° | 1038.1 | 1032.7 | 1036.3 | 1049.0 | 1036.3 | 1043.5 | 1043.5 | 1043.5 | 1050.8 | 1045.4 |
| 62.5° | 942.3 | 938.7 | 942.3 | 953.1 | 940.5 | 947.7 | 945.9 | 947.7 | 954.9 | 953.1 |
| 65° | 844.6 | 841.0 | 844.6 | 855.5 | 842.8 | 850.0 | 850.0 | 851.8 | 857.3 | 850.0 |
| 67.5° | 748.8 | 743.3 | 748.8 | 757.8 | 746.9 | 752.4 | 752.4 | 752.4 | 761.4 | 757.8 |
| 70° | 651.1 | 647.5 | 651.1 | 660.1 | 651.1 | 654.7 | 654.7 | 654.7 | 663.7 | 665.6 |
| 72.5° | 555.2 | 555.2 | 558.8 | 566.1 | 558.8 | 566.1 | 560.7 | 557.0 | 569.7 | 571.5 |
| 75° | 461.2 | 463.0 | 464.8 | 472.0 | 464.8 | 472.0 | 468.4 | 464.8 | 475.7 | 477.5 |
| 77.5° | 374.4 | 374.4 | 376.2 | 381.6 | 376.2 | 381.6 | 378.0 | 378.0 | 385.2 | 383.4 |
| 80° | 285.8 | 285.8 | 287.6 | 293.0 | 287.6 | 293.0 | 289.4 | 289.4 | 296.6 | 289.4 |
| 82.5° | 208.0 | 208.0 | 208.0 | 213.4 | 209.8 | 213.4 | 211.6 | 208.0 | 217.0 | 209.8 |
| 85° | 133.8 | 135.6 | 135.6 | 137.5 | 135.6 | 137.5 | 137.5 | 135.6 | 141.1 | 135.6 |
| 87.5° | 68.7 | 68.7 | 68.7 | 70.5 | 68.7 | 68.7 | 70.5 | 68.7 | 72.3 | 70.5 |
| 90° | 12.7 | 10.9 | 10.9 | 14.5 | 12.7 | 12.7 | 14.5 | 10.9 | 12.7 | 10.9 |
| 92.5° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 7.2 | 7.2 |
| 95° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 5.4 |
| 97.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.6 | 3.6 |
| 100° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 102.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 105° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 1.8 | 1.8 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.8 |



TEST NUMBER: P894385
 CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L930

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 142.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 145° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 147.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 150° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 152.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 155° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 157.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 160° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 162.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 165° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 167.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 170° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 172.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 175° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 177.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 180° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |



TEST NUMBER: P894385
 CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L930

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 | 19.05 | 20.69 | 19.42 | 21.00 | 21.32 | 19.19 | 20.82 | 19.55 | 21.14 | 21.46 |
| | 3H | 20.87 | 22.35 | 21.25 | 22.68 | 23.04 | 21.02 | 22.50 | 21.40 | 22.83 | 23.19 |
| | 4H | 21.53 | 22.93 | 21.93 | 23.28 | 23.66 | 21.73 | 23.12 | 22.13 | 23.47 | 23.85 |
| | 6H | 21.99 | 23.28 | 22.40 | 23.65 | 24.04 | 22.28 | 23.58 | 22.70 | 23.94 | 24.34 |
| | 8H | 22.12 | 23.36 | 22.55 | 23.75 | 24.15 | 22.48 | 23.71 | 22.90 | 24.10 | 24.51 |
| | 12H | 22.22 | 23.41 | 22.65 | 23.79 | 24.22 | 22.62 | 23.80 | 23.05 | 24.19 | 24.62 |
| 4H | 2H | 19.68 | 21.08 | 20.08 | 21.43 | 21.81 | 19.79 | 21.19 | 20.19 | 21.54 | 21.91 |
| | 3H | 21.72 | 22.90 | 22.13 | 23.30 | 23.70 | 21.86 | 23.03 | 22.27 | 23.43 | 23.83 |
| | 4H | 22.52 | 23.58 | 22.95 | 23.99 | 24.43 | 22.70 | 23.76 | 23.14 | 24.18 | 24.62 |
| | 6H | 23.09 | 24.02 | 23.55 | 24.46 | 24.92 | 23.40 | 24.32 | 23.85 | 24.77 | 25.22 |
| | 8H | 23.28 | 24.15 | 23.74 | 24.60 | 25.06 | 23.64 | 24.51 | 24.10 | 24.95 | 25.42 |
| | 12H | 23.43 | 24.21 | 23.91 | 24.68 | 25.16 | 23.83 | 24.62 | 24.32 | 25.09 | 25.56 |
| 8H | 4H | 22.85 | 23.72 | 23.31 | 24.16 | 24.63 | 23.01 | 23.88 | 23.47 | 24.33 | 24.79 |
| | 6H | 23.55 | 24.27 | 24.04 | 24.76 | 25.24 | 23.84 | 24.56 | 24.33 | 25.05 | 25.53 |
| | 8H | 23.81 | 24.46 | 24.32 | 24.97 | 25.46 | 24.17 | 24.82 | 24.68 | 25.33 | 25.81 |
| | 12H | 24.03 | 24.60 | 24.54 | 25.10 | 25.66 | 24.45 | 25.03 | 24.96 | 25.52 | 26.08 |
| 12H | 4H | 22.89 | 23.67 | 23.37 | 24.15 | 24.62 | 23.04 | 23.83 | 23.53 | 24.30 | 24.77 |
| | 6H | 23.62 | 24.27 | 24.13 | 24.78 | 25.27 | 23.89 | 24.55 | 24.40 | 25.05 | 25.54 |
| | 8H | 23.95 | 24.52 | 24.45 | 25.01 | 25.58 | 24.29 | 24.86 | 24.80 | 25.36 | 25.92 |