

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: P895218

Luminaire Tested: 8TMB-8SL-FLT-UNV-L935

Issue Date: 11/11/2024

**Test Information**

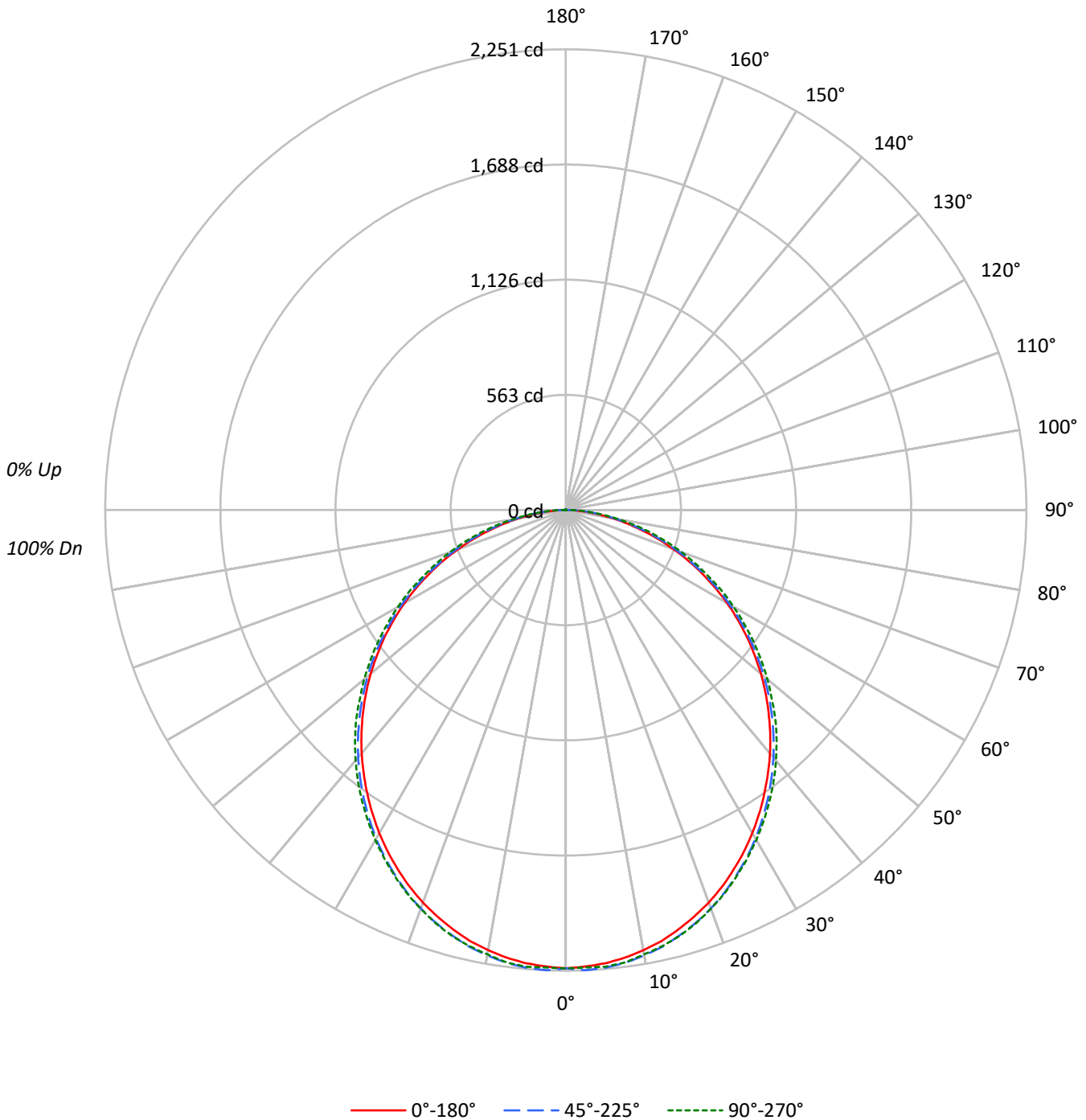
Test Method: LM-79-2019  
Report Number: P895218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-8SL-FLT-UNV-L935  
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6215.9 lumens  
Efficiency: N/A  
Efficacy: 104.3 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): 59.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 3.8  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895218  
CATALOG NUMBER: 8TMB-8SL-FLT-UNV-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P895218

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**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   | 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°  | 7945 | 7945 | 7945 |
| 5°  | 7917 | 7993 | 7975 |
| 10° | 7867 | 7961 | 7944 |
| 15° | 7798 | 7900 | 7912 |
| 20° | 7706 | 7824 | 7830 |
| 25° | 7592 | 7714 | 7733 |
| 30° | 7468 | 7596 | 7629 |
| 35° | 7328 | 7455 | 7519 |
| 40° | 7190 | 7312 | 7403 |
| 45° | 7033 | 7148 | 7271 |
| 50° | 6868 | 6977 | 7103 |
| 55° | 6683 | 6784 | 6926 |
| 60° | 6468 | 6573 | 6724 |
| 65° | 6179 | 6303 | 6469 |
| 70° | 5816 | 5986 | 6259 |
| 75° | 5348 | 5573 | 5933 |
| 80° | 4722 | 5092 | 5360 |
| 85° | 4071 | 4669 | 5003 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7271 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 211.8  | 3.4       |
| 10°-20°   | 603.5  | 9.7       |
| 20°-30°   | 904.4  | 14.6      |
| 30°-40°   | 1076.2 | 17.3      |
| 40°-50°   | 1104.2 | 17.8      |
| 50°-60°   | 989.2  | 15.9      |
| 60°-70°   | 751.6  | 12.1      |
| 70°-80°   | 436.9  | 7.0       |
| 80°-90°   | 131.1  | 2.1       |
| 90°-100°  | 3.1    | 0.0       |
| 100°-110° | 0.5    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.2    | 0.0       |
| 130°-140° | 0.6    | 0.0       |
| 140°-150° | 1.0    | 0.0       |
| 150°-160° | 0.7    | 0.0       |
| 160°-170° | 0.5    | 0.0       |
| 170°-180° | 0.2    | 0.0       |
| 0°-30°    | 1719.7 | 27.7      |
| 0°-40°    | 2795.9 | 45.0      |
| 0°-60°    | 4889.3 | 78.7      |
| 0°-90°    | 6208.9 | 99.9      |
| 90°-120°  | 3.7    | 0.1       |
| 90°-150°  | 5.5    | 0.1       |
| 90°-180°  | 7.0    | 0.1       |
| 0°-180°   | 6215.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 2239 | 2239  | 2239 | 2239  | 2239 |      |
| 5°   | 2223 | 2261  | 2244 | 2233  | 2239 | 211  |
| 15°  | 2123 | 2164  | 2151 | 2147  | 2154 | 599  |
| 25°  | 1939 | 1984  | 1970 | 1967  | 1975 | 894  |
| 35°  | 1692 | 1733  | 1721 | 1726  | 1736 | 1059 |
| 45°  | 1402 | 1436  | 1424 | 1436  | 1449 | 1082 |
| 55°  | 1080 | 1106  | 1097 | 1110  | 1120 | 965  |
| 65°  | 736  | 754   | 751  | 764   | 770  | 728  |
| 75°  | 390  | 405   | 406  | 421   | 433  | 414  |
| 85°  | 100  | 108   | 115  | 123   | 123  | 109  |
| 90°  | 2    | 7     | 7    | 12    | 10   | 7    |
| 95°  | 0    | 2     | 2    | 3     | 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° | 3    | 3     | 3    | 2     | 2    | 0    |
| 180° | 2    | 2     | 2    | 2     | 2    |      |



TEST NUMBER: P895218

CATALOG NUMBER: 8TMB-8SL-FLT-UNV-L935

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 |
| 2.5°   | 2232.7 | 2229.4 | 2232.7 | 2231.0 | 2247.4 | 2267.1 | 2263.8 | 2249.1 | 2232.7 | 2237.6 | 2250.7 |
| 5°     | 2222.8 | 2221.2 | 2226.1 | 2222.8 | 2239.2 | 2260.6 | 2254.0 | 2240.9 | 2226.1 | 2231.0 | 2244.2 |
| 7.5°   | 2206.5 | 2206.5 | 2213.0 | 2209.7 | 2224.5 | 2245.8 | 2239.2 | 2227.8 | 2213.0 | 2217.9 | 2231.0 |
| 10°    | 2183.5 | 2185.1 | 2193.3 | 2188.4 | 2201.5 | 2224.5 | 2217.9 | 2206.5 | 2193.3 | 2196.6 | 2209.7 |
| 12.5°  | 2157.3 | 2157.3 | 2167.1 | 2162.2 | 2175.3 | 2196.6 | 2188.4 | 2180.2 | 2167.1 | 2170.4 | 2185.1 |
| 15°    | 2122.9 | 2124.5 | 2136.0 | 2131.0 | 2142.5 | 2163.8 | 2155.6 | 2149.1 | 2137.6 | 2139.2 | 2150.7 |
| 17.5°  | 2083.5 | 2088.4 | 2099.9 | 2095.0 | 2106.5 | 2127.8 | 2117.9 | 2111.4 | 2101.5 | 2103.2 | 2114.7 |
| 20°    | 2040.9 | 2045.8 | 2057.3 | 2054.0 | 2062.2 | 2083.5 | 2073.7 | 2070.4 | 2060.6 | 2062.2 | 2072.0 |
| 22.5°  | 1993.4 | 1998.3 | 2011.4 | 2008.1 | 2016.3 | 2037.6 | 2026.1 | 2024.5 | 2014.7 | 2016.3 | 2024.5 |
| 25°    | 1939.3 | 1945.8 | 1960.6 | 1957.3 | 1963.8 | 1983.5 | 1973.7 | 1970.4 | 1963.8 | 1963.8 | 1970.4 |
| 27.5°  | 1883.5 | 1890.1 | 1906.5 | 1901.6 | 1906.5 | 1927.8 | 1916.3 | 1914.7 | 1908.1 | 1908.1 | 1914.7 |
| 30°    | 1822.9 | 1829.4 | 1847.5 | 1842.5 | 1847.5 | 1865.5 | 1854.0 | 1855.7 | 1849.1 | 1849.1 | 1854.0 |
| 32.5°  | 1758.9 | 1763.9 | 1783.5 | 1780.2 | 1783.5 | 1801.6 | 1790.1 | 1791.7 | 1785.2 | 1786.8 | 1788.4 |
| 35°    | 1691.7 | 1696.6 | 1718.0 | 1714.7 | 1716.3 | 1732.7 | 1724.5 | 1724.5 | 1719.6 | 1718.0 | 1721.2 |
| 37.5°  | 1622.9 | 1627.8 | 1654.0 | 1645.8 | 1645.8 | 1662.2 | 1655.7 | 1655.7 | 1650.7 | 1649.1 | 1650.7 |
| 40°    | 1552.4 | 1555.7 | 1583.5 | 1575.3 | 1573.7 | 1588.5 | 1583.5 | 1583.5 | 1580.3 | 1577.0 | 1578.6 |
| 42.5°  | 1478.6 | 1483.5 | 1511.4 | 1504.8 | 1498.3 | 1514.7 | 1509.8 | 1511.4 | 1506.5 | 1503.2 | 1503.2 |
| 45°    | 1401.6 | 1406.5 | 1434.4 | 1431.1 | 1421.2 | 1436.0 | 1431.1 | 1434.4 | 1427.8 | 1424.5 | 1424.5 |
| 47.5°  | 1324.5 | 1331.1 | 1357.3 | 1352.4 | 1342.6 | 1357.3 | 1352.4 | 1355.7 | 1349.1 | 1345.8 | 1345.8 |
| 50°    | 1244.2 | 1250.8 | 1278.6 | 1270.4 | 1260.6 | 1275.4 | 1272.1 | 1273.7 | 1268.8 | 1265.5 | 1263.9 |
| 52.5°  | 1162.2 | 1170.4 | 1196.7 | 1186.8 | 1178.6 | 1191.7 | 1190.1 | 1191.7 | 1185.2 | 1183.6 | 1181.9 |
| 55°    | 1080.3 | 1088.5 | 1113.1 | 1101.6 | 1095.0 | 1106.5 | 1103.2 | 1106.5 | 1099.9 | 1098.3 | 1096.7 |
| 57.5°  | 995.0  | 1003.2 | 1026.2 | 1014.7 | 1009.8 | 1019.6 | 1018.0 | 1019.6 | 1014.7 | 1013.1 | 1011.4 |
| 60°    | 911.4  | 918.0  | 939.3  | 927.8  | 922.9  | 932.7  | 929.5  | 934.4  | 927.8  | 927.8  | 926.2  |
| 62.5°  | 822.9  | 831.1  | 852.4  | 839.3  | 836.0  | 844.2  | 840.9  | 845.9  | 842.6  | 839.3  | 837.7  |
| 65°    | 736.0  | 740.9  | 760.6  | 749.1  | 744.2  | 754.1  | 752.4  | 755.7  | 750.8  | 752.4  | 750.8  |
| 67.5°  | 649.2  | 652.4  | 672.1  | 659.0  | 655.7  | 665.5  | 667.2  | 665.5  | 662.3  | 663.9  | 662.3  |
| 70°    | 560.6  | 563.9  | 580.3  | 568.8  | 567.2  | 575.4  | 578.7  | 577.0  | 573.7  | 575.4  | 577.0  |
| 72.5°  | 475.4  | 477.0  | 491.8  | 481.9  | 480.3  | 490.1  | 490.1  | 490.1  | 490.1  | 490.1  | 493.4  |
| 75°    | 390.1  | 391.8  | 404.9  | 396.7  | 395.1  | 404.9  | 404.9  | 404.9  | 404.9  | 408.2  | 406.5  |
| 77.5°  | 308.2  | 306.5  | 319.7  | 314.7  | 311.5  | 321.3  | 321.3  | 322.9  | 326.2  | 329.5  | 324.6  |
| 80°    | 231.1  | 229.5  | 239.3  | 232.8  | 232.8  | 242.6  | 241.0  | 242.6  | 245.9  | 247.5  | 249.2  |
| 82.5°  | 162.3  | 159.0  | 167.2  | 165.6  | 163.9  | 172.1  | 173.8  | 172.1  | 177.0  | 178.7  | 178.7  |
| 85°    | 100.0  | 100.0  | 104.9  | 101.6  | 101.6  | 108.2  | 108.2  | 109.8  | 113.1  | 114.7  | 114.7  |
| 87.5°  | 47.5   | 45.9   | 50.8   | 49.2   | 47.5   | 52.5   | 52.5   | 54.1   | 55.7   | 57.4   | 55.7   |
| 90°    | 1.6    | 1.6    | 3.3    | 3.3    | 3.3    | 6.6    | 6.6    | 6.6    | 8.2    | 8.2    | 6.6    |
| 92.5°  | 0.0    | 0.0    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 3.3    | 3.3    | 3.3    | 3.3    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    | 1.6    | 1.6    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    |
| 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    | 1.6    |



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CATALOG NUMBER: 8TMB-8SL-FLT-UNV-L935

**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 | 1.6 | 1.6 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 0.0 | 1.6 |
| 132.5° | 0.0 | 0.0 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 1.6 | 1.6 | 1.6 | 1.6 | 0.0   | 1.6 | 0.0 | 0.0 | 0.0 | 1.6 |
| 137.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 140°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 142.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 145°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 147.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 150°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 152.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 155°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 157.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 160°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 162.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 165°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 167.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 170°   | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 172.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 175°   | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3   | 3.3 | 3.3 | 1.6 | 3.3 | 3.3 |
| 177.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3   | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 180°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |



TEST NUMBER: P895218

CATALOG NUMBER: 8TMB-8SL-FLT-UNV-L935

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 | 2239.2 |
| 2.5°   | 2231.0 | 2219.6 | 2214.7 | 2217.9 | 2240.9 | 2217.9 | 2242.5 | 2250.7 | 2221.2 | 2237.6 |
| 5°     | 2224.5 | 2213.0 | 2206.5 | 2209.7 | 2232.7 | 2211.4 | 2237.6 | 2247.4 | 2222.8 | 2239.2 |
| 7.5°   | 2211.4 | 2198.3 | 2195.0 | 2199.9 | 2219.6 | 2201.5 | 2227.8 | 2237.6 | 2213.0 | 2229.4 |
| 10°    | 2191.7 | 2180.2 | 2176.9 | 2181.9 | 2199.9 | 2181.9 | 2204.8 | 2213.0 | 2190.1 | 2204.8 |
| 12.5°  | 2167.1 | 2155.6 | 2152.4 | 2158.9 | 2175.3 | 2158.9 | 2181.9 | 2190.1 | 2167.1 | 2181.9 |
| 15°    | 2136.0 | 2124.5 | 2122.9 | 2132.7 | 2147.4 | 2132.7 | 2155.6 | 2162.2 | 2139.2 | 2154.0 |
| 17.5°  | 2098.3 | 2086.8 | 2088.4 | 2099.9 | 2111.4 | 2098.3 | 2119.6 | 2126.1 | 2104.8 | 2116.3 |
| 20°    | 2057.3 | 2044.2 | 2047.4 | 2057.3 | 2067.1 | 2054.0 | 2075.3 | 2081.9 | 2062.2 | 2073.7 |
| 22.5°  | 2009.7 | 1996.6 | 1999.9 | 2011.4 | 2017.9 | 2006.5 | 2026.1 | 2032.7 | 2016.3 | 2027.8 |
| 25°    | 1957.3 | 1945.8 | 1950.7 | 1962.2 | 1967.1 | 1957.3 | 1975.3 | 1980.2 | 1965.5 | 1975.3 |
| 27.5°  | 1904.8 | 1891.7 | 1898.3 | 1909.7 | 1913.0 | 1903.2 | 1921.2 | 1924.5 | 1909.7 | 1919.6 |
| 30°    | 1845.8 | 1832.7 | 1840.9 | 1854.0 | 1854.0 | 1847.5 | 1862.2 | 1865.5 | 1854.0 | 1862.2 |
| 32.5°  | 1780.2 | 1770.4 | 1780.2 | 1791.7 | 1790.1 | 1785.2 | 1799.9 | 1803.2 | 1793.4 | 1799.9 |
| 35°    | 1714.7 | 1706.5 | 1716.3 | 1727.8 | 1726.2 | 1721.2 | 1736.0 | 1737.6 | 1729.4 | 1736.0 |
| 37.5°  | 1647.5 | 1640.9 | 1650.7 | 1660.6 | 1657.3 | 1654.0 | 1667.1 | 1667.1 | 1662.2 | 1668.8 |
| 40°    | 1578.6 | 1572.1 | 1580.3 | 1591.7 | 1585.2 | 1585.2 | 1593.4 | 1596.6 | 1591.7 | 1598.3 |
| 42.5°  | 1506.5 | 1499.9 | 1509.8 | 1519.6 | 1513.0 | 1511.4 | 1521.2 | 1522.9 | 1519.6 | 1524.5 |
| 45°    | 1431.1 | 1424.5 | 1434.4 | 1442.6 | 1436.0 | 1436.0 | 1444.2 | 1444.2 | 1442.6 | 1449.1 |
| 47.5°  | 1354.0 | 1349.1 | 1357.3 | 1365.5 | 1359.0 | 1363.9 | 1363.9 | 1363.9 | 1367.2 | 1365.5 |
| 50°    | 1275.4 | 1270.4 | 1277.0 | 1286.8 | 1278.6 | 1280.3 | 1283.5 | 1283.5 | 1285.2 | 1286.8 |
| 52.5°  | 1193.4 | 1186.8 | 1193.4 | 1204.9 | 1193.4 | 1198.3 | 1199.9 | 1201.6 | 1206.5 | 1203.2 |
| 55°    | 1111.4 | 1104.9 | 1111.4 | 1121.3 | 1109.8 | 1116.3 | 1116.3 | 1118.0 | 1122.9 | 1119.6 |
| 57.5°  | 1026.2 | 1019.6 | 1029.5 | 1036.0 | 1024.5 | 1031.1 | 1031.1 | 1034.4 | 1037.7 | 1032.7 |
| 60°    | 940.9  | 936.0  | 939.3  | 950.8  | 939.3  | 945.9  | 945.9  | 945.9  | 952.4  | 947.5  |
| 62.5°  | 854.1  | 850.8  | 854.1  | 863.9  | 852.4  | 859.0  | 857.3  | 859.0  | 865.5  | 863.9  |
| 65°    | 765.5  | 762.3  | 765.5  | 775.4  | 763.9  | 770.5  | 770.5  | 772.1  | 777.0  | 770.5  |
| 67.5°  | 678.7  | 673.7  | 678.7  | 686.9  | 677.0  | 681.9  | 681.9  | 681.9  | 690.1  | 686.9  |
| 70°    | 590.1  | 586.9  | 590.1  | 598.3  | 590.1  | 593.4  | 593.4  | 593.4  | 601.6  | 603.3  |
| 72.5°  | 503.3  | 503.3  | 506.5  | 513.1  | 506.5  | 513.1  | 508.2  | 504.9  | 516.4  | 518.0  |
| 75°    | 418.0  | 419.7  | 421.3  | 427.8  | 421.3  | 427.8  | 424.6  | 421.3  | 431.1  | 432.8  |
| 77.5°  | 339.3  | 339.3  | 341.0  | 345.9  | 341.0  | 345.9  | 342.6  | 342.6  | 349.2  | 347.5  |
| 80°    | 259.0  | 259.0  | 260.6  | 265.6  | 260.6  | 265.6  | 262.3  | 262.3  | 268.8  | 262.3  |
| 82.5°  | 188.5  | 188.5  | 188.5  | 193.4  | 190.2  | 193.4  | 191.8  | 188.5  | 196.7  | 190.2  |
| 85°    | 121.3  | 122.9  | 122.9  | 124.6  | 122.9  | 124.6  | 124.6  | 122.9  | 127.9  | 122.9  |
| 87.5°  | 62.3   | 62.3   | 62.3   | 63.9   | 62.3   | 62.3   | 63.9   | 62.3   | 65.6   | 63.9   |
| 90°    | 11.5   | 9.8    | 9.8    | 13.1   | 11.5   | 11.5   | 13.1   | 9.8    | 11.5   | 9.8    |
| 92.5°  | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 6.6    | 6.6    |
| 95°    | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 4.9    |
| 97.5°  | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 3.3    | 3.3    |
| 100°   | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 102.5° | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 105°   | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 0.0    | 1.6    | 1.6    |
| 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    | 1.6    | 0.0    | 0.0    | 0.0    | 1.6    |





TEST NUMBER: P895218

CATALOG NUMBER: 8TMB-8SL-FLT-UNV-L935

**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 | 1.6 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 1.6 | 1.6 | 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° | 1.6 | 1.6 | 1.6 | 1.6 | 0.0   | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 142.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 |
| 145°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 147.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 150°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 152.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 155°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 157.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 160°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 162.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 165°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 167.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 170°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 172.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 175°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 177.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 180°   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6   | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |



TEST NUMBER: P895218  
 CATALOG NUMBER: 8TMB-8SL-FLT-UNV-L935

**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 | 18.71            | 20.34 | 19.07 | 20.66 | 20.98 | 18.84          | 20.48 | 19.21 | 20.80 | 21.11 |
|                 | 3H   | 20.53            | 22.01 | 20.91 | 22.34 | 22.70 | 20.68          | 22.16 | 21.06 | 22.49 | 22.85 |
|                 | 4H   | 21.19            | 22.59 | 21.59 | 22.94 | 23.32 | 21.38          | 22.78 | 21.78 | 23.13 | 23.51 |
|                 | 6H   | 21.64            | 22.94 | 22.06 | 23.31 | 23.70 | 21.94          | 23.24 | 22.35 | 23.60 | 24.00 |
|                 | 8H   | 21.78            | 23.02 | 22.21 | 23.41 | 23.81 | 22.14          | 23.37 | 22.56 | 23.76 | 24.16 |
|                 | 12H  | 21.88            | 23.06 | 22.31 | 23.45 | 23.88 | 22.28          | 23.46 | 22.71 | 23.85 | 24.28 |
| 4H              | 2H   | 19.34            | 20.74 | 19.74 | 21.09 | 21.47 | 19.45          | 20.85 | 19.85 | 21.20 | 21.57 |
|                 | 3H   | 21.38            | 22.55 | 21.79 | 22.95 | 23.36 | 21.52          | 22.69 | 21.93 | 23.09 | 23.49 |
|                 | 4H   | 22.18            | 23.24 | 22.61 | 23.65 | 24.09 | 22.36          | 23.42 | 22.79 | 23.84 | 24.28 |
|                 | 6H   | 22.75            | 23.68 | 23.21 | 24.12 | 24.58 | 23.05          | 23.98 | 23.51 | 24.42 | 24.88 |
|                 | 8H   | 22.94            | 23.81 | 23.40 | 24.25 | 24.72 | 23.30          | 24.17 | 23.76 | 24.61 | 25.08 |
|                 | 12H  | 23.08            | 23.87 | 23.57 | 24.34 | 24.81 | 23.49          | 24.27 | 23.97 | 24.75 | 25.22 |
| 8H              | 4H   | 22.50            | 23.37 | 22.97 | 23.82 | 24.29 | 22.67          | 23.54 | 23.13 | 23.98 | 24.45 |
|                 | 6H   | 23.21            | 23.93 | 23.70 | 24.42 | 24.90 | 23.50          | 24.22 | 23.99 | 24.71 | 25.19 |
|                 | 8H   | 23.47            | 24.12 | 23.98 | 24.63 | 25.12 | 23.83          | 24.48 | 24.34 | 24.98 | 25.47 |
|                 | 12H  | 23.69            | 24.26 | 24.19 | 24.75 | 25.32 | 24.11          | 24.69 | 24.62 | 25.18 | 25.74 |
| 12H             | 4H   | 22.55            | 23.33 | 23.03 | 23.81 | 24.28 | 22.70          | 23.48 | 23.18 | 23.96 | 24.43 |
|                 | 6H   | 23.28            | 23.93 | 23.79 | 24.44 | 24.93 | 23.55          | 24.20 | 24.06 | 24.71 | 25.20 |
|                 | 8H   | 23.60            | 24.18 | 24.11 | 24.67 | 25.23 | 23.95          | 24.52 | 24.45 | 25.01 | 25.58 |