

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: P895110

Luminaire Tested: 8TMB-6SL-FLTU-UNV-L835

Issue Date: 11/11/2024

**Test Information**

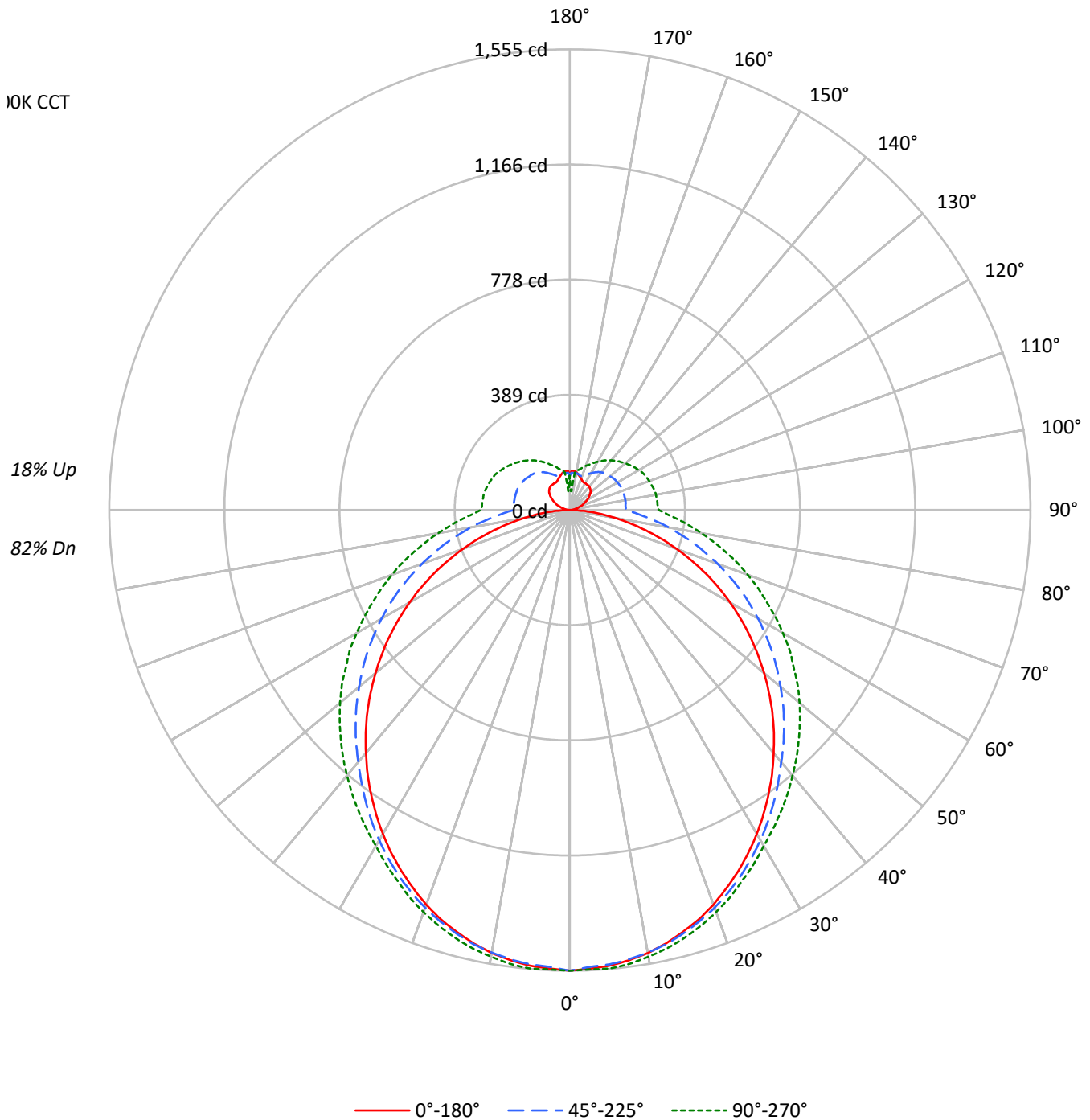
Test Method: LM-79-2019  
Report Number: P895110  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-6SL-FLTU-UNV-L835  
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 350  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5879.0 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')  
CIE Type: Semi-Direct  
  
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.51  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895110  
CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P895110  
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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 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 110 | 101 | 101 | 101 | 93 | 93 | 93 | 86 | 86 | 86 | 86 | 82 |    |
| 1   | 103 | 98  | 93  | 89  | 99  | 94  | 90  | 86  | 86  | 83  | 80  | 79 | 77 | 74 | 73 | 71 | 69 | 69 | 66 |    |
| 2   | 93  | 85  | 77  | 71  | 89  | 81  | 75  | 69  | 75  | 69  | 65  | 69 | 64 | 61 | 63 | 60 | 57 | 57 | 54 |    |
| 3   | 85  | 74  | 65  | 59  | 81  | 71  | 63  | 57  | 65  | 59  | 54  | 60 | 55 | 51 | 55 | 51 | 48 | 48 | 45 |    |
| 4   | 77  | 65  | 56  | 49  | 74  | 63  | 54  | 48  | 58  | 51  | 45  | 53 | 48 | 43 | 49 | 45 | 41 | 41 | 38 |    |
| 5   | 71  | 58  | 49  | 42  | 68  | 56  | 47  | 41  | 52  | 45  | 39  | 48 | 42 | 37 | 44 | 39 | 35 | 35 | 32 |    |
| 6   | 66  | 52  | 43  | 37  | 62  | 50  | 42  | 36  | 47  | 39  | 34  | 43 | 37 | 32 | 40 | 35 | 31 | 31 | 28 |    |
| 7   | 61  | 47  | 38  | 32  | 58  | 45  | 37  | 31  | 42  | 35  | 30  | 39 | 33 | 29 | 37 | 31 | 27 | 27 | 25 |    |
| 8   | 56  | 43  | 34  | 29  | 54  | 41  | 33  | 28  | 39  | 32  | 27  | 36 | 30 | 26 | 34 | 28 | 24 | 24 | 22 |    |
| 9   | 53  | 39  | 31  | 26  | 50  | 38  | 30  | 25  | 35  | 29  | 24  | 33 | 27 | 23 | 31 | 26 | 22 | 22 | 20 |    |
| 10  | 49  | 36  | 28  | 23  | 47  | 35  | 28  | 23  | 33  | 26  | 22  | 31 | 25 | 21 | 29 | 24 | 20 | 20 | 18 |    |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5518 | 5518 | 5518 |
| 5°  | 5486 | 5295 | 5281 |
| 10° | 5445 | 5100 | 5030 |
| 15° | 5377 | 4903 | 4790 |
| 20° | 5301 | 4700 | 4547 |
| 25° | 5202 | 4488 | 4300 |
| 30° | 5096 | 4271 | 4075 |
| 35° | 4978 | 4052 | 3890 |
| 40° | 4853 | 3837 | 3713 |
| 45° | 4729 | 3649 | 3545 |
| 50° | 4585 | 3455 | 3381 |
| 55° | 4430 | 3264 | 3199 |
| 60° | 4243 | 3059 | 3025 |
| 65° | 4020 | 2843 | 2829 |
| 70° | 3726 | 2605 | 2646 |
| 75° | 3318 | 2361 | 2449 |
| 80° | 2780 | 2100 | 2246 |
| 85° | 2091 | 1835 | 2062 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4729 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 147.0  | 2.5       |
| 10°-20°   | 419.4  | 7.1       |
| 20°-30°   | 630.2  | 10.7      |
| 30°-40°   | 756.7  | 12.9      |
| 40°-50°   | 795.7  | 13.5      |
| 50°-60°   | 747.6  | 12.7      |
| 60°-70°   | 621.6  | 10.6      |
| 70°-80°   | 443.6  | 7.5       |
| 80°-90°   | 264.0  | 4.5       |
| 90°-100°  | 191.1  | 3.3       |
| 100°-110° | 188.6  | 3.2       |
| 110°-120° | 177.1  | 3.0       |
| 120°-130° | 157.0  | 2.7       |
| 130°-140° | 130.1  | 2.2       |
| 140°-150° | 97.4   | 1.7       |
| 150°-160° | 64.0   | 1.1       |
| 160°-170° | 36.3   | 0.6       |
| 170°-180° | 11.6   | 0.2       |
| 0°-30°    | 1196.6 | 20.4      |
| 0°-40°    | 1953.3 | 33.2      |
| 0°-60°    | 3496.5 | 59.5      |
| 0°-90°    | 4825.8 | 82.1      |
| 90°-120°  | 556.9  | 9.5       |
| 90°-150°  | 941.3  | 16.0      |
| 90°-180°  | 1053.0 | 17.9      |
| 0°-180°   | 5879.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1555 | 1555  | 1555 | 1555  | 1555 |      |
| 5°   | 1544 | 1562  | 1540 | 1544  | 1554 | 147  |
| 15°  | 1474 | 1497  | 1480 | 1490  | 1495 | 416  |
| 25°  | 1345 | 1370  | 1363 | 1376  | 1379 | 620  |
| 35°  | 1170 | 1197  | 1202 | 1231  | 1243 | 732  |
| 45°  | 967  | 994   | 1022 | 1075  | 1094 | 745  |
| 55°  | 743  | 773   | 834  | 902   | 922  | 664  |
| 65°  | 506  | 547   | 633  | 713   | 733  | 500  |
| 75°  | 266  | 325   | 433  | 517   | 544  | 282  |
| 85°  | 67   | 146   | 254  | 339   | 368  | 73   |
| 90°  | 0    | 84    | 189  | 271   | 300  | 5    |
| 95°  | 7    | 88    | 189  | 268   | 297  | 8    |
| 105° | 27   | 98    | 190  | 266   | 291  | 29   |
| 115° | 52   | 106   | 189  | 254   | 280  | 53   |
| 125° | 80   | 114   | 183  | 239   | 257  | 71   |
| 135° | 98   | 119   | 173  | 217   | 233  | 76   |
| 145° | 104  | 116   | 156  | 193   | 204  | 65   |
| 155° | 105  | 118   | 132  | 163   | 173  | 49   |
| 165° | 121  | 128   | 124  | 125   | 145  | 34   |
| 175° | 134  | 132   | 125  | 106   | 64   | 13   |
| 180° | 116  | 116   | 116  | 116   | 116  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 |
| 2.5°   | 1549.4 | 1553.7 | 1555.1 | 1569.3 | 1563.6 | 1569.3 | 1559.4 | 1548.0 | 1545.2 | 1552.3 | 1543.7 |
| 5°     | 1543.7 | 1548.0 | 1549.4 | 1563.6 | 1557.9 | 1562.2 | 1553.7 | 1542.3 | 1539.5 | 1548.0 | 1539.5 |
| 7.5°   | 1532.4 | 1536.6 | 1538.1 | 1553.7 | 1546.6 | 1552.3 | 1542.3 | 1531.0 | 1529.5 | 1538.1 | 1529.5 |
| 10°    | 1518.2 | 1522.4 | 1523.9 | 1538.1 | 1532.4 | 1538.1 | 1528.1 | 1516.8 | 1515.3 | 1525.3 | 1516.8 |
| 12.5°  | 1498.3 | 1502.5 | 1505.4 | 1519.6 | 1512.5 | 1519.6 | 1508.2 | 1496.9 | 1498.3 | 1506.8 | 1501.1 |
| 15°    | 1474.1 | 1479.8 | 1481.2 | 1495.4 | 1489.8 | 1496.9 | 1485.5 | 1474.1 | 1477.0 | 1485.5 | 1479.8 |
| 17.5°  | 1448.6 | 1454.3 | 1455.7 | 1468.5 | 1462.8 | 1471.3 | 1458.5 | 1448.6 | 1451.4 | 1459.9 | 1455.7 |
| 20°    | 1417.3 | 1423.0 | 1425.9 | 1438.6 | 1433.0 | 1441.5 | 1428.7 | 1420.2 | 1423.0 | 1433.0 | 1428.7 |
| 22.5°  | 1381.8 | 1390.4 | 1391.8 | 1406.0 | 1398.9 | 1407.4 | 1394.6 | 1387.5 | 1391.8 | 1401.7 | 1397.5 |
| 25°    | 1344.9 | 1353.4 | 1354.8 | 1369.1 | 1363.4 | 1370.5 | 1357.7 | 1350.6 | 1356.3 | 1366.2 | 1363.4 |
| 27.5°  | 1305.1 | 1313.7 | 1316.5 | 1329.3 | 1323.6 | 1332.1 | 1317.9 | 1313.7 | 1319.3 | 1329.3 | 1326.4 |
| 30°    | 1262.5 | 1271.1 | 1272.5 | 1285.3 | 1281.0 | 1289.5 | 1276.7 | 1271.1 | 1279.6 | 1289.5 | 1286.7 |
| 32.5°  | 1217.1 | 1225.6 | 1229.9 | 1241.2 | 1237.0 | 1244.1 | 1232.7 | 1229.9 | 1237.0 | 1246.9 | 1245.5 |
| 35°    | 1170.2 | 1178.7 | 1183.0 | 1195.8 | 1190.1 | 1197.2 | 1185.8 | 1183.0 | 1194.4 | 1201.5 | 1201.5 |
| 37.5°  | 1121.9 | 1130.5 | 1134.7 | 1147.5 | 1140.4 | 1148.9 | 1137.6 | 1136.1 | 1148.9 | 1156.0 | 1156.0 |
| 40°    | 1070.8 | 1080.8 | 1085.0 | 1096.4 | 1090.7 | 1097.8 | 1087.9 | 1089.3 | 1100.6 | 1109.2 | 1110.6 |
| 42.5°  | 1019.7 | 1029.6 | 1033.9 | 1046.7 | 1039.6 | 1046.7 | 1038.2 | 1039.6 | 1052.4 | 1060.9 | 1068.0 |
| 45°    | 967.1  | 975.7  | 979.9  | 994.1  | 985.6  | 994.1  | 985.6  | 988.4  | 1001.2 | 1014.0 | 1022.5 |
| 47.5°  | 911.8  | 920.3  | 927.4  | 938.7  | 931.6  | 938.7  | 933.1  | 937.3  | 952.9  | 965.7  | 977.1  |
| 50°    | 856.4  | 864.9  | 872.0  | 881.9  | 874.8  | 884.8  | 877.7  | 883.4  | 903.2  | 916.0  | 928.8  |
| 52.5°  | 799.6  | 806.7  | 818.0  | 823.7  | 818.0  | 829.4  | 823.7  | 832.2  | 852.1  | 867.7  | 881.9  |
| 55°    | 742.8  | 749.9  | 761.2  | 765.5  | 759.8  | 772.6  | 768.3  | 779.7  | 801.0  | 818.0  | 833.6  |
| 57.5°  | 684.5  | 691.6  | 701.6  | 705.8  | 701.6  | 715.8  | 714.3  | 727.1  | 748.4  | 766.9  | 783.9  |
| 60°    | 624.9  | 632.0  | 640.5  | 644.8  | 644.8  | 659.0  | 659.0  | 674.6  | 697.3  | 714.3  | 734.2  |
| 62.5°  | 566.7  | 570.9  | 579.4  | 585.1  | 589.4  | 603.6  | 603.6  | 620.6  | 644.8  | 664.6  | 684.5  |
| 65°    | 505.6  | 509.8  | 516.9  | 524.0  | 531.1  | 546.8  | 548.2  | 566.7  | 590.8  | 610.7  | 633.4  |
| 67.5°  | 444.5  | 448.8  | 455.9  | 464.4  | 474.3  | 490.0  | 492.8  | 512.7  | 538.2  | 561.0  | 582.3  |
| 70°    | 384.9  | 386.3  | 394.8  | 406.2  | 417.5  | 433.2  | 437.4  | 458.7  | 485.7  | 508.4  | 531.1  |
| 72.5°  | 325.2  | 326.6  | 335.2  | 349.4  | 362.1  | 379.2  | 384.9  | 407.6  | 434.6  | 457.3  | 480.0  |
| 75°    | 265.6  | 267.0  | 278.4  | 295.4  | 309.6  | 325.2  | 332.3  | 356.5  | 383.4  | 407.6  | 433.2  |
| 77.5°  | 208.8  | 211.6  | 223.0  | 240.0  | 257.1  | 275.5  | 282.6  | 306.8  | 336.6  | 359.3  | 383.4  |
| 80°    | 156.2  | 159.1  | 171.8  | 190.3  | 208.8  | 225.8  | 234.3  | 258.5  | 289.7  | 312.4  | 339.4  |
| 82.5°  | 107.9  | 112.2  | 127.8  | 147.7  | 166.2  | 184.6  | 193.1  | 215.9  | 244.3  | 269.8  | 295.4  |
| 85°    | 66.7   | 72.4   | 88.1   | 109.4  | 129.2  | 146.3  | 154.8  | 178.9  | 205.9  | 230.1  | 254.2  |
| 87.5°  | 31.2   | 39.8   | 55.4   | 76.7   | 98.0   | 112.2  | 122.1  | 146.3  | 171.8  | 196.0  | 220.1  |
| 90°    | 0.0    | 12.8   | 28.4   | 49.7   | 71.0   | 83.8   | 95.2   | 117.9  | 143.4  | 166.2  | 188.9  |
| 92.5°  | 2.8    | 14.2   | 31.2   | 51.1   | 72.4   | 85.2   | 96.6   | 119.3  | 143.4  | 166.2  | 188.9  |
| 95°    | 7.1    | 15.6   | 32.7   | 54.0   | 75.3   | 88.1   | 98.0   | 120.7  | 144.9  | 167.6  | 188.9  |
| 97.5°  | 12.8   | 19.9   | 36.9   | 56.8   | 78.1   | 89.5   | 100.8  | 123.6  | 146.3  | 169.0  | 190.3  |
| 100°   | 17.0   | 22.7   | 39.8   | 59.6   | 81.0   | 92.3   | 103.7  | 125.0  | 147.7  | 170.4  | 190.3  |
| 102.5° | 21.3   | 28.4   | 44.0   | 62.5   | 83.8   | 95.2   | 105.1  | 126.4  | 149.1  | 170.4  | 190.3  |
| 105°   | 27.0   | 32.7   | 46.9   | 66.7   | 86.6   | 98.0   | 107.9  | 129.2  | 150.5  | 171.8  | 190.3  |
| 107.5° | 32.7   | 36.9   | 51.1   | 69.6   | 89.5   | 99.4   | 109.4  | 130.7  | 152.0  | 171.8  | 190.3  |
| 110°   | 39.8   | 42.6   | 55.4   | 72.4   | 90.9   | 102.3  | 112.2  | 132.1  | 152.0  | 171.8  | 190.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 46.9  | 46.9  | 59.6  | 75.3  | 93.7  | 103.7 | 113.6 | 133.5 | 153.4 | 171.8 | 190.3 |
| 115°   | 52.5  | 54.0  | 63.9  | 78.1  | 96.6  | 106.5 | 115.0 | 133.5 | 153.4 | 171.8 | 188.9 |
| 117.5° | 59.6  | 59.6  | 69.6  | 81.0  | 98.0  | 107.9 | 117.9 | 134.9 | 153.4 | 170.4 | 187.5 |
| 120°   | 66.7  | 65.3  | 73.8  | 85.2  | 100.8 | 109.4 | 119.3 | 136.3 | 153.4 | 170.4 | 186.0 |
| 122.5° | 73.8  | 71.0  | 76.7  | 88.1  | 102.3 | 112.2 | 119.3 | 136.3 | 153.4 | 169.0 | 184.6 |
| 125°   | 79.5  | 76.7  | 81.0  | 92.3  | 105.1 | 113.6 | 120.7 | 136.3 | 153.4 | 167.6 | 183.2 |
| 127.5° | 85.2  | 82.4  | 86.6  | 95.2  | 106.5 | 113.6 | 122.1 | 136.3 | 153.4 | 166.2 | 180.4 |
| 130°   | 90.9  | 86.6  | 92.3  | 98.0  | 109.4 | 115.0 | 122.1 | 136.3 | 152.0 | 164.7 | 177.5 |
| 132.5° | 95.2  | 90.9  | 96.6  | 100.8 | 110.8 | 116.5 | 123.6 | 136.3 | 150.5 | 163.3 | 176.1 |
| 135°   | 98.0  | 93.7  | 100.8 | 103.7 | 113.6 | 119.3 | 125.0 | 136.3 | 149.1 | 161.9 | 173.3 |
| 137.5° | 100.8 | 95.2  | 103.7 | 106.5 | 115.0 | 120.7 | 125.0 | 134.9 | 147.7 | 159.1 | 170.4 |
| 140°   | 102.3 | 98.0  | 106.5 | 109.4 | 113.6 | 119.3 | 125.0 | 133.5 | 144.9 | 156.2 | 166.2 |
| 142.5° | 103.7 | 98.0  | 107.9 | 110.8 | 113.6 | 117.9 | 123.6 | 130.7 | 142.0 | 152.0 | 161.9 |
| 145°   | 103.7 | 99.4  | 107.9 | 110.8 | 113.6 | 116.5 | 120.7 | 129.2 | 137.8 | 146.3 | 156.2 |
| 147.5° | 103.7 | 100.8 | 109.4 | 112.2 | 115.0 | 115.0 | 117.9 | 126.4 | 133.5 | 142.0 | 150.5 |
| 150°   | 105.1 | 100.8 | 109.4 | 112.2 | 116.5 | 116.5 | 117.9 | 122.1 | 130.7 | 136.3 | 143.4 |
| 152.5° | 103.7 | 102.3 | 107.9 | 113.6 | 116.5 | 117.9 | 117.9 | 119.3 | 126.4 | 132.1 | 137.8 |
| 155°   | 105.1 | 105.1 | 109.4 | 116.5 | 117.9 | 117.9 | 119.3 | 117.9 | 120.7 | 126.4 | 132.1 |
| 157.5° | 107.9 | 110.8 | 110.8 | 117.9 | 120.7 | 120.7 | 122.1 | 120.7 | 119.3 | 120.7 | 126.4 |
| 160°   | 112.2 | 115.0 | 115.0 | 119.3 | 123.6 | 123.6 | 125.0 | 123.6 | 122.1 | 120.7 | 120.7 |
| 162.5° | 116.5 | 119.3 | 119.3 | 120.7 | 125.0 | 126.4 | 127.8 | 126.4 | 125.0 | 122.1 | 120.7 |
| 165°   | 120.7 | 123.6 | 123.6 | 123.6 | 126.4 | 127.8 | 129.2 | 127.8 | 127.8 | 125.0 | 123.6 |
| 167.5° | 125.0 | 127.8 | 127.8 | 126.4 | 127.8 | 129.2 | 130.7 | 129.2 | 129.2 | 127.8 | 125.0 |
| 170°   | 129.2 | 132.1 | 132.1 | 129.2 | 130.7 | 130.7 | 132.1 | 130.7 | 130.7 | 127.8 | 126.4 |
| 172.5° | 132.1 | 134.9 | 133.5 | 132.1 | 132.1 | 132.1 | 132.1 | 130.7 | 129.2 | 126.4 | 126.4 |
| 175°   | 133.5 | 136.3 | 136.3 | 133.5 | 132.1 | 132.1 | 133.5 | 130.7 | 129.2 | 127.8 | 125.0 |
| 177.5° | 133.5 | 136.3 | 136.3 | 133.5 | 133.5 | 132.1 | 133.5 | 132.1 | 132.1 | 129.2 | 126.4 |
| 180°   | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 |



TEST NUMBER: P895110  
 CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L835

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 | 1555.1 |
| 2.5°   | 1549.4 | 1548.0 | 1539.5 | 1549.4 | 1549.4 | 1546.6 | 1557.9 | 1556.5 | 1555.1 | 1552.3 |
| 5°     | 1543.7 | 1542.3 | 1533.8 | 1543.7 | 1543.7 | 1542.3 | 1553.7 | 1555.1 | 1556.5 | 1553.7 |
| 7.5°   | 1535.2 | 1533.8 | 1525.3 | 1535.2 | 1535.2 | 1533.8 | 1546.6 | 1548.0 | 1549.4 | 1545.2 |
| 10°    | 1522.4 | 1521.0 | 1512.5 | 1522.4 | 1523.9 | 1522.4 | 1532.4 | 1533.8 | 1536.6 | 1531.0 |
| 12.5°  | 1505.4 | 1505.4 | 1496.9 | 1506.8 | 1508.2 | 1506.8 | 1516.8 | 1519.6 | 1522.4 | 1515.3 |
| 15°    | 1484.1 | 1485.5 | 1478.4 | 1488.3 | 1489.8 | 1489.8 | 1499.7 | 1501.1 | 1505.4 | 1495.4 |
| 17.5°  | 1458.5 | 1461.4 | 1455.7 | 1465.6 | 1467.0 | 1468.5 | 1474.1 | 1478.4 | 1482.7 | 1471.3 |
| 20°    | 1431.5 | 1433.0 | 1428.7 | 1437.2 | 1440.1 | 1438.6 | 1445.7 | 1451.4 | 1455.7 | 1444.3 |
| 22.5°  | 1398.9 | 1400.3 | 1396.0 | 1404.6 | 1407.4 | 1408.8 | 1414.5 | 1421.6 | 1424.4 | 1414.5 |
| 25°    | 1362.0 | 1367.6 | 1364.8 | 1373.3 | 1376.2 | 1376.2 | 1381.8 | 1388.9 | 1393.2 | 1379.0 |
| 27.5°  | 1326.4 | 1333.5 | 1330.7 | 1339.2 | 1342.1 | 1343.5 | 1346.3 | 1354.8 | 1359.1 | 1346.3 |
| 30°    | 1286.7 | 1295.2 | 1293.8 | 1302.3 | 1305.1 | 1303.7 | 1309.4 | 1317.9 | 1323.6 | 1309.4 |
| 32.5°  | 1242.7 | 1254.0 | 1252.6 | 1264.0 | 1266.8 | 1268.2 | 1272.5 | 1283.8 | 1289.5 | 1276.7 |
| 35°    | 1200.1 | 1212.8 | 1214.3 | 1227.0 | 1231.3 | 1232.7 | 1238.4 | 1249.8 | 1255.4 | 1242.7 |
| 37.5°  | 1156.0 | 1173.1 | 1177.3 | 1190.1 | 1194.4 | 1195.8 | 1201.5 | 1214.3 | 1219.9 | 1207.2 |
| 40°    | 1113.4 | 1133.3 | 1139.0 | 1150.3 | 1154.6 | 1158.9 | 1163.1 | 1175.9 | 1183.0 | 1170.2 |
| 42.5°  | 1070.8 | 1092.1 | 1099.2 | 1110.6 | 1114.8 | 1119.1 | 1124.8 | 1139.0 | 1144.7 | 1133.3 |
| 45°    | 1026.8 | 1049.5 | 1058.0 | 1069.4 | 1075.1 | 1079.3 | 1085.0 | 1097.8 | 1104.9 | 1093.5 |
| 47.5°  | 982.8  | 1005.5 | 1014.0 | 1026.8 | 1032.5 | 1038.2 | 1042.4 | 1058.0 | 1065.1 | 1053.8 |
| 50°    | 935.9  | 961.5  | 971.4  | 982.8  | 991.3  | 995.5  | 1001.2 | 1015.4 | 1022.5 | 1012.6 |
| 52.5°  | 889.0  | 916.0  | 927.4  | 938.7  | 947.3  | 954.4  | 957.2  | 972.8  | 979.9  | 970.0  |
| 55°    | 840.7  | 867.7  | 880.5  | 893.3  | 901.8  | 910.3  | 913.2  | 928.8  | 935.9  | 921.7  |
| 57.5°  | 792.5  | 820.9  | 833.6  | 847.8  | 854.9  | 864.9  | 869.1  | 883.4  | 890.5  | 880.5  |
| 60°    | 744.2  | 771.2  | 786.8  | 799.6  | 809.5  | 818.0  | 820.9  | 836.5  | 843.6  | 830.8  |
| 62.5°  | 694.5  | 722.9  | 738.5  | 752.7  | 761.2  | 771.2  | 775.4  | 789.6  | 795.3  | 782.5  |
| 65°    | 643.3  | 671.7  | 688.8  | 701.6  | 712.9  | 721.5  | 724.3  | 739.9  | 745.6  | 732.8  |
| 67.5°  | 592.2  | 620.6  | 639.1  | 653.3  | 663.2  | 673.2  | 676.0  | 691.6  | 697.3  | 687.4  |
| 70°    | 542.5  | 570.9  | 589.4  | 606.4  | 613.5  | 623.5  | 627.7  | 641.9  | 647.6  | 639.1  |
| 72.5°  | 492.8  | 521.2  | 541.1  | 558.1  | 565.2  | 575.2  | 580.9  | 592.2  | 600.7  | 593.6  |
| 75°    | 444.5  | 472.9  | 492.8  | 509.8  | 516.9  | 526.9  | 532.6  | 543.9  | 549.6  | 543.9  |
| 77.5°  | 397.6  | 426.1  | 444.5  | 461.6  | 470.1  | 478.6  | 484.3  | 495.6  | 502.7  | 497.1  |
| 80°    | 352.2  | 380.6  | 399.1  | 414.7  | 423.2  | 431.7  | 437.4  | 450.2  | 455.9  | 451.6  |
| 82.5°  | 309.6  | 336.6  | 356.5  | 372.1  | 380.6  | 389.1  | 394.8  | 406.2  | 413.3  | 407.6  |
| 85°    | 271.3  | 298.2  | 316.7  | 332.3  | 339.4  | 347.9  | 353.6  | 365.0  | 370.7  | 367.8  |
| 87.5°  | 234.3  | 258.5  | 279.8  | 295.4  | 302.5  | 311.0  | 318.1  | 326.6  | 333.7  | 329.5  |
| 90°    | 205.9  | 227.2  | 247.1  | 262.7  | 271.3  | 279.8  | 288.3  | 296.8  | 302.5  | 299.7  |
| 92.5°  | 207.3  | 227.2  | 245.7  | 259.9  | 268.4  | 276.9  | 285.5  | 295.4  | 299.7  | 296.8  |
| 95°    | 207.3  | 227.2  | 245.7  | 259.9  | 268.4  | 276.9  | 285.5  | 295.4  | 299.7  | 296.8  |
| 97.5°  | 207.3  | 227.2  | 245.7  | 259.9  | 268.4  | 276.9  | 285.5  | 295.4  | 299.7  | 295.4  |
| 100°   | 207.3  | 227.2  | 245.7  | 259.9  | 268.4  | 275.5  | 284.0  | 294.0  | 298.2  | 295.4  |
| 102.5° | 207.3  | 227.2  | 244.3  | 258.5  | 267.0  | 274.1  | 282.6  | 292.6  | 296.8  | 294.0  |
| 105°   | 207.3  | 225.8  | 244.3  | 257.1  | 265.6  | 272.7  | 281.2  | 289.7  | 294.0  | 291.1  |
| 107.5° | 205.9  | 224.4  | 241.4  | 255.6  | 262.7  | 269.8  | 278.4  | 286.9  | 291.1  | 288.3  |
| 110°   | 205.9  | 223.0  | 240.0  | 252.8  | 259.9  | 267.0  | 275.5  | 284.0  | 288.3  | 285.5  |





TEST NUMBER: P895110  
 CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L835

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 204.5 | 221.5 | 238.6 | 250.0 | 257.1 | 264.2 | 271.3 | 281.2 | 285.5 | 282.6 |
| 115°   | 203.1 | 220.1 | 235.7 | 247.1 | 254.2 | 259.9 | 268.4 | 278.4 | 281.2 | 279.8 |
| 117.5° | 201.7 | 217.3 | 232.9 | 244.3 | 251.4 | 257.1 | 264.2 | 272.7 | 276.9 | 275.5 |
| 120°   | 200.2 | 214.4 | 230.1 | 240.0 | 247.1 | 252.8 | 258.5 | 267.0 | 271.3 | 268.4 |
| 122.5° | 197.4 | 211.6 | 227.2 | 237.2 | 242.9 | 248.5 | 254.2 | 261.3 | 265.6 | 264.2 |
| 125°   | 194.6 | 208.8 | 223.0 | 232.9 | 238.6 | 242.9 | 248.5 | 255.6 | 258.5 | 257.1 |
| 127.5° | 191.7 | 205.9 | 218.7 | 227.2 | 234.3 | 238.6 | 242.9 | 250.0 | 252.8 | 251.4 |
| 130°   | 188.9 | 201.7 | 214.4 | 223.0 | 228.6 | 232.9 | 237.2 | 244.3 | 245.7 | 245.7 |
| 132.5° | 186.0 | 197.4 | 210.2 | 218.7 | 224.4 | 227.2 | 231.5 | 237.2 | 240.0 | 238.6 |
| 135°   | 183.2 | 193.1 | 205.9 | 213.0 | 217.3 | 221.5 | 225.8 | 231.5 | 232.9 | 232.9 |
| 137.5° | 178.9 | 188.9 | 200.2 | 207.3 | 211.6 | 214.4 | 218.7 | 224.4 | 225.8 | 225.8 |
| 140°   | 174.7 | 184.6 | 194.6 | 200.2 | 205.9 | 208.8 | 211.6 | 217.3 | 218.7 | 218.7 |
| 142.5° | 170.4 | 178.9 | 188.9 | 194.6 | 200.2 | 201.7 | 205.9 | 210.2 | 211.6 | 211.6 |
| 145°   | 164.7 | 174.7 | 183.2 | 188.9 | 193.1 | 194.6 | 198.8 | 203.1 | 203.1 | 204.5 |
| 147.5° | 157.6 | 166.2 | 177.5 | 181.8 | 186.0 | 187.5 | 191.7 | 194.6 | 196.0 | 196.0 |
| 150°   | 150.5 | 159.1 | 169.0 | 176.1 | 180.4 | 181.8 | 183.2 | 187.5 | 187.5 | 188.9 |
| 152.5° | 143.4 | 150.5 | 160.5 | 167.6 | 173.3 | 174.7 | 176.1 | 178.9 | 178.9 | 180.4 |
| 155°   | 136.3 | 142.0 | 150.5 | 157.6 | 163.3 | 166.2 | 169.0 | 171.8 | 171.8 | 173.3 |
| 157.5° | 130.7 | 136.3 | 143.4 | 149.1 | 153.4 | 157.6 | 161.9 | 164.7 | 164.7 | 164.7 |
| 160°   | 123.6 | 127.8 | 134.9 | 139.2 | 144.9 | 147.7 | 154.8 | 157.6 | 157.6 | 159.1 |
| 162.5° | 119.3 | 120.7 | 125.0 | 129.2 | 133.5 | 136.3 | 143.4 | 150.5 | 150.5 | 152.0 |
| 165°   | 120.7 | 119.3 | 120.7 | 122.1 | 125.0 | 126.4 | 130.7 | 140.6 | 143.4 | 144.9 |
| 167.5° | 123.6 | 119.3 | 119.3 | 119.3 | 122.1 | 122.1 | 126.4 | 132.1 | 142.0 | 139.2 |
| 170°   | 123.6 | 119.3 | 116.5 | 116.5 | 117.9 | 116.5 | 119.3 | 123.6 | 129.2 | 134.9 |
| 172.5° | 125.0 | 120.7 | 116.5 | 110.8 | 112.2 | 110.8 | 107.9 | 107.9 | 109.4 | 127.8 |
| 175°   | 123.6 | 120.7 | 115.0 | 107.9 | 106.5 | 102.3 | 93.7  | 86.6  | 82.4  | 63.9  |
| 177.5° | 122.1 | 117.9 | 113.6 | 107.9 | 105.1 | 100.8 | 90.9  | 79.5  | 68.2  | 65.3  |
| 180°   | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 |



TEST NUMBER: P895110  
 CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L835

**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 | 13.64            | 14.96 | 14.26 | 15.59 | 16.32 | 16.27          | 17.59 | 16.89 | 18.22 | 18.95 |
|                 | 3H   | 15.05            | 16.25 | 15.67 | 16.89 | 17.64 | 18.73          | 19.93 | 19.36 | 20.57 | 21.33 |
|                 | 4H   | 15.47            | 16.61 | 16.12 | 17.27 | 18.03 | 19.90          | 21.04 | 20.55 | 21.69 | 22.46 |
|                 | 6H   | 15.71            | 16.77 | 16.37 | 17.43 | 18.22 | 21.08          | 22.14 | 21.74 | 22.80 | 23.59 |
|                 | 8H   | 15.75            | 16.76 | 16.42 | 17.45 | 18.24 | 21.67          | 22.68 | 22.34 | 23.37 | 24.16 |
|                 | 12H  | 15.76            | 16.73 | 16.44 | 17.41 | 18.23 | 22.31          | 23.27 | 22.99 | 23.96 | 24.77 |
| 4H              | 2H   | 14.54            | 15.68 | 15.19 | 16.34 | 17.11 | 16.61          | 17.75 | 17.27 | 18.41 | 19.18 |
|                 | 3H   | 16.17            | 17.13 | 16.83 | 17.83 | 18.61 | 19.28          | 20.24 | 19.94 | 20.94 | 21.73 |
|                 | 4H   | 16.72            | 17.61 | 17.40 | 18.30 | 19.12 | 20.59          | 21.48 | 21.27 | 22.18 | 22.99 |
|                 | 6H   | 17.06            | 17.84 | 17.76 | 18.56 | 19.39 | 21.95          | 22.72 | 22.64 | 23.45 | 24.27 |
|                 | 8H   | 17.13            | 17.87 | 17.84 | 18.59 | 19.43 | 22.64          | 23.37 | 23.34 | 24.09 | 24.93 |
|                 | 12H  | 17.16            | 17.83 | 17.89 | 18.57 | 19.42 | 23.39          | 24.05 | 24.11 | 24.79 | 25.64 |
| 8H              | 4H   | 17.38            | 18.12 | 18.09 | 18.83 | 19.68 | 20.74          | 21.47 | 21.45 | 22.19 | 23.03 |
|                 | 6H   | 17.89            | 18.51 | 18.62 | 19.27 | 20.11 | 22.24          | 22.85 | 22.97 | 23.61 | 24.46 |
|                 | 8H   | 18.04            | 18.60 | 18.79 | 19.36 | 20.22 | 23.05          | 23.60 | 23.79 | 24.36 | 25.22 |
|                 | 12H  | 18.13            | 18.63 | 18.88 | 19.38 | 20.30 | 23.96          | 24.45 | 24.70 | 25.20 | 26.12 |
| 12H             | 4H   | 17.55            | 18.22 | 18.28 | 18.96 | 19.81 | 20.73          | 21.40 | 21.46 | 22.14 | 22.99 |
|                 | 6H   | 18.15            | 18.71 | 18.90 | 19.47 | 20.33 | 22.25          | 22.81 | 23.00 | 23.57 | 24.43 |
|                 | 8H   | 18.39            | 18.88 | 19.14 | 19.63 | 20.55 | 23.11          | 23.61 | 23.86 | 24.36 | 25.28 |