

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: P895385

Luminaire Tested: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

Issue Date: 11/11/2024

**Test Information**

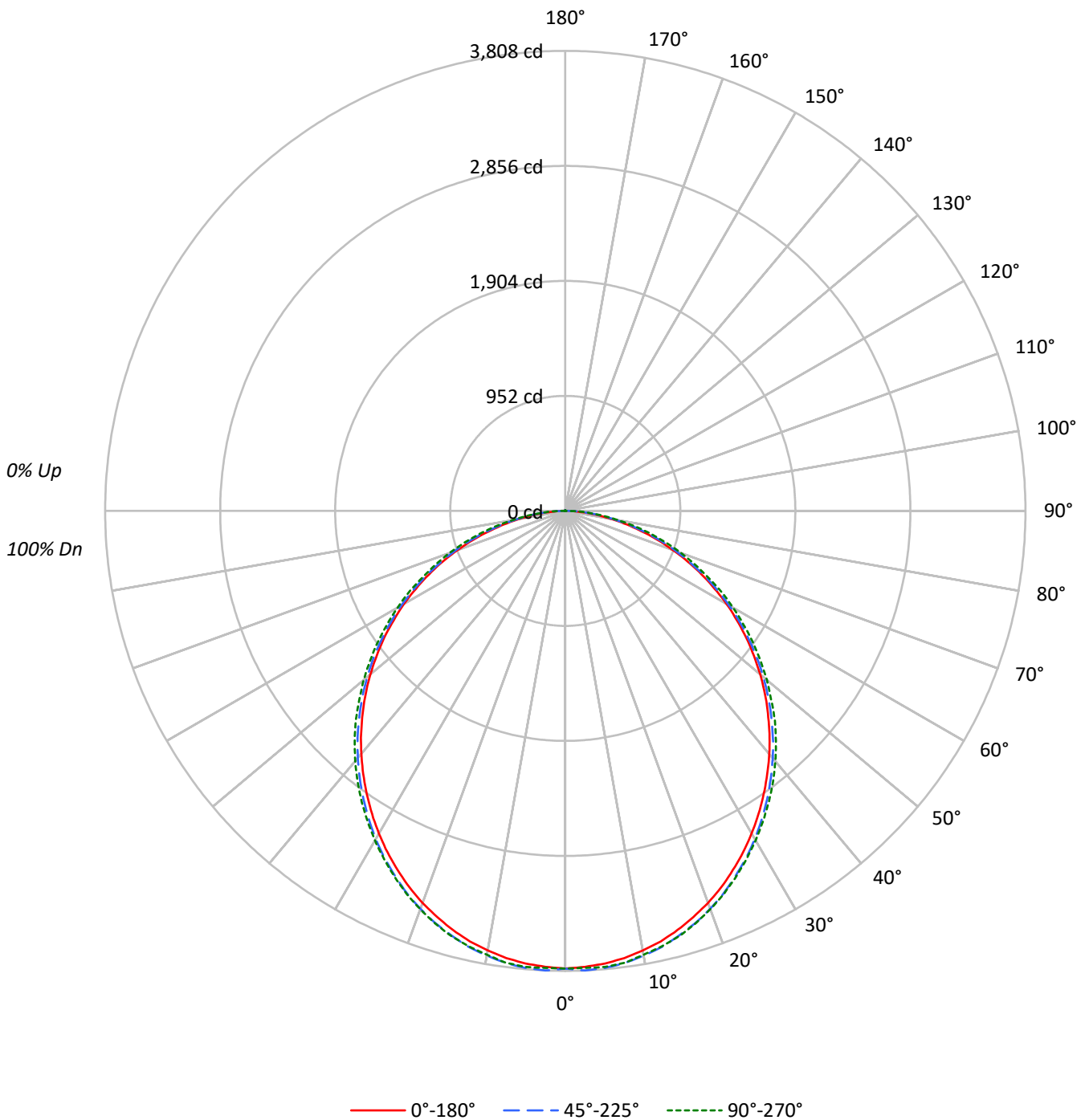
Test Method: LM-79-2019  
Report Number: P895385  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-FLT-UNV-CC83-HI-3500K  
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 3500K CCT, HI lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10517.1 lumens  
Efficiency: N/A  
Efficacy: 103.7 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): 101.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.39961257980444  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895385  
CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P895385

CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

**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°  | 13442 | 13442 | 13442 |
| 5°  | 13395 | 13523 | 13494 |
| 10° | 13310 | 13470 | 13440 |
| 15° | 13193 | 13367 | 13387 |
| 20° | 13038 | 13237 | 13248 |
| 25° | 12845 | 13052 | 13084 |
| 30° | 12636 | 12852 | 12909 |
| 35° | 12398 | 12614 | 12722 |
| 40° | 12165 | 12371 | 12525 |
| 45° | 11899 | 12094 | 12303 |
| 50° | 11620 | 11804 | 12018 |
| 55° | 11306 | 11478 | 11718 |
| 60° | 10943 | 11120 | 11376 |
| 65° | 10455 | 10665 | 10945 |
| 70° | 9840  | 10128 | 10589 |
| 75° | 9049  | 9429  | 10038 |
| 80° | 7991  | 8615  | 9068  |
| 85° | 6888  | 7902  | 8468  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 12303 cd/sqm



TEST NUMBER: P895385  
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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 358.3   | 3.4       |
| 10°-20°   | 1021.1  | 9.7       |
| 20°-30°   | 1530.2  | 14.5      |
| 30°-40°   | 1820.8  | 17.3      |
| 40°-50°   | 1868.3  | 17.8      |
| 50°-60°   | 1673.7  | 15.9      |
| 60°-70°   | 1271.7  | 12.1      |
| 70°-80°   | 739.2   | 7.0       |
| 80°-90°   | 221.8   | 2.1       |
| 90°-100°  | 5.3     | 0.1       |
| 100°-110° | 0.9     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.4     | 0.0       |
| 130°-140° | 1.1     | 0.0       |
| 140°-150° | 1.7     | 0.0       |
| 150°-160° | 1.3     | 0.0       |
| 160°-170° | 0.8     | 0.0       |
| 170°-180° | 0.4     | 0.0       |
| 0°-30°    | 2909.6  | 27.7      |
| 0°-40°    | 4730.4  | 45.0      |
| 0°-60°    | 8272.4  | 78.7      |
| 0°-90°    | 10505.1 | 99.9      |
| 90°-120°  | 6.3     | 0.1       |
| 90°-150°  | 9.5     | 0.1       |
| 90°-180°  | 12.0    | 0.1       |
| 0°-180°   | 10517.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 3789 | 3789  | 3789 | 3789  | 3789 |      |
| 5°   | 3761 | 3825  | 3797 | 3778  | 3789 | 357  |
| 15°  | 3592 | 3661  | 3639 | 3633  | 3644 | 1013 |
| 25°  | 3281 | 3356  | 3334 | 3328  | 3342 | 1512 |
| 35°  | 2862 | 2932  | 2912 | 2920  | 2937 | 1791 |
| 45°  | 2371 | 2430  | 2410 | 2430  | 2452 | 1830 |
| 55°  | 1828 | 1872  | 1856 | 1878  | 1894 | 1633 |
| 65°  | 1245 | 1276  | 1270 | 1292  | 1304 | 1232 |
| 75°  | 660  | 685   | 688  | 713   | 732  | 700  |
| 85°  | 169  | 183   | 194  | 208   | 208  | 185  |
| 90°  | 3    | 11    | 11   | 19    | 17   | 12   |
| 95°  | 0    | 3     | 3    | 6     | 8    | 0    |
| 105° | 0    | 0     | 0    | 3     | 3    | 0    |
| 115° | 0    | 0     | 0    | 0     | 0    | 0    |
| 125° | 0    | 0     | 0    | 0     | 0    | 2    |
| 135° | 0    | 0     | 3    | 0     | 0    | 1    |
| 145° | 3    | 3     | 3    | 3     | 3    | 2    |
| 155° | 3    | 3     | 3    | 3     | 3    | 1    |
| 165° | 3    | 3     | 3    | 3     | 3    | 1    |
| 175° | 6    | 6     | 6    | 3     | 3    | 1    |
| 180° | 3    | 3     | 3    | 3     | 3    |      |



TEST NUMBER: P895385  
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 |
| 2.5°   | 3777.5 | 3772.0 | 3777.5 | 3774.8 | 3802.5 | 3835.8 | 3830.2 | 3805.3 | 3777.5 | 3785.9 | 3808.0 |
| 5°     | 3760.9 | 3758.1 | 3766.4 | 3760.9 | 3788.6 | 3824.7 | 3813.6 | 3791.4 | 3766.4 | 3774.8 | 3796.9 |
| 7.5°   | 3733.2 | 3733.2 | 3744.3 | 3738.7 | 3763.7 | 3799.7 | 3788.6 | 3769.2 | 3744.3 | 3752.6 | 3774.8 |
| 10°    | 3694.3 | 3697.1 | 3711.0 | 3702.6 | 3724.8 | 3763.7 | 3752.6 | 3733.2 | 3711.0 | 3716.5 | 3738.7 |
| 12.5°  | 3650.0 | 3650.0 | 3666.6 | 3658.3 | 3680.5 | 3716.5 | 3702.6 | 3688.8 | 3666.6 | 3672.1 | 3697.1 |
| 15°    | 3591.7 | 3594.5 | 3613.9 | 3605.6 | 3625.0 | 3661.0 | 3647.2 | 3636.1 | 3616.7 | 3619.4 | 3638.9 |
| 17.5°  | 3525.1 | 3533.5 | 3552.9 | 3544.6 | 3564.0 | 3600.0 | 3583.4 | 3572.3 | 3555.7 | 3558.4 | 3577.8 |
| 20°    | 3453.0 | 3461.4 | 3480.8 | 3475.2 | 3489.1 | 3525.1 | 3508.5 | 3503.0 | 3486.3 | 3489.1 | 3505.7 |
| 22.5°  | 3372.6 | 3380.9 | 3403.1 | 3397.6 | 3411.4 | 3447.5 | 3428.1 | 3425.3 | 3408.7 | 3411.4 | 3425.3 |
| 25°    | 3281.1 | 3292.2 | 3317.1 | 3311.6 | 3322.7 | 3356.0 | 3339.3 | 3333.8 | 3322.7 | 3322.7 | 3333.8 |
| 27.5°  | 3186.8 | 3197.9 | 3225.6 | 3217.3 | 3225.6 | 3261.7 | 3242.2 | 3239.5 | 3228.4 | 3228.4 | 3239.5 |
| 30°    | 3084.2 | 3095.2 | 3125.8 | 3117.4 | 3125.8 | 3156.3 | 3136.8 | 3139.6 | 3128.5 | 3128.5 | 3136.8 |
| 32.5°  | 2976.0 | 2984.3 | 3017.6 | 3012.0 | 3017.6 | 3048.1 | 3028.7 | 3031.5 | 3020.4 | 3023.1 | 3025.9 |
| 35°    | 2862.3 | 2870.6 | 2906.6 | 2901.1 | 2903.9 | 2931.6 | 2917.7 | 2917.7 | 2909.4 | 2906.6 | 2912.2 |
| 37.5°  | 2745.8 | 2754.1 | 2798.5 | 2784.6 | 2784.6 | 2812.3 | 2801.3 | 2801.3 | 2792.9 | 2790.2 | 2792.9 |
| 40°    | 2626.5 | 2632.1 | 2679.2 | 2665.4 | 2662.6 | 2687.5 | 2679.2 | 2679.2 | 2673.7 | 2668.1 | 2670.9 |
| 42.5°  | 2501.7 | 2510.0 | 2557.2 | 2546.1 | 2535.0 | 2562.7 | 2554.4 | 2557.2 | 2548.9 | 2543.3 | 2543.3 |
| 45°    | 2371.4 | 2379.7 | 2426.8 | 2421.3 | 2404.6 | 2429.6 | 2421.3 | 2426.8 | 2415.7 | 2410.2 | 2410.2 |
| 47.5°  | 2241.0 | 2252.1 | 2296.5 | 2288.2 | 2271.5 | 2296.5 | 2288.2 | 2293.7 | 2282.6 | 2277.1 | 2277.1 |
| 50°    | 2105.1 | 2116.2 | 2163.3 | 2149.5 | 2132.8 | 2157.8 | 2152.3 | 2155.0 | 2146.7 | 2141.2 | 2138.4 |
| 52.5°  | 1966.4 | 1980.3 | 2024.7 | 2008.0 | 1994.2 | 2016.3 | 2013.6 | 2016.3 | 2005.3 | 2002.5 | 1999.7 |
| 55°    | 1827.7 | 1841.6 | 1883.2 | 1863.8 | 1852.7 | 1872.1 | 1866.6 | 1872.1 | 1861.0 | 1858.3 | 1855.5 |
| 57.5°  | 1683.5 | 1697.4 | 1736.2 | 1716.8 | 1708.5 | 1725.1 | 1722.4 | 1725.1 | 1716.8 | 1714.0 | 1711.3 |
| 60°    | 1542.1 | 1553.2 | 1589.2 | 1569.8 | 1561.5 | 1578.1 | 1572.6 | 1580.9 | 1569.8 | 1569.8 | 1567.0 |
| 62.5°  | 1392.3 | 1406.2 | 1442.2 | 1420.0 | 1414.5 | 1428.4 | 1422.8 | 1431.1 | 1425.6 | 1420.0 | 1417.3 |
| 65°    | 1245.3 | 1253.6 | 1286.9 | 1267.5 | 1259.2 | 1275.8 | 1273.0 | 1278.6 | 1270.3 | 1273.0 | 1270.3 |
| 67.5°  | 1098.3 | 1103.9 | 1137.1 | 1115.0 | 1109.4 | 1126.0 | 1128.8 | 1126.0 | 1120.5 | 1123.3 | 1120.5 |
| 70°    | 948.5  | 954.1  | 981.8  | 962.4  | 959.6  | 973.5  | 979.1  | 976.3  | 970.7  | 973.5  | 976.3  |
| 72.5°  | 804.3  | 807.1  | 832.1  | 815.4  | 812.6  | 829.3  | 829.3  | 829.3  | 829.3  | 829.3  | 834.8  |
| 75°    | 660.1  | 662.9  | 685.1  | 671.2  | 668.4  | 685.1  | 685.1  | 685.1  | 685.1  | 690.6  | 687.8  |
| 77.5°  | 521.4  | 518.6  | 540.8  | 532.5  | 527.0  | 543.6  | 543.6  | 546.4  | 551.9  | 557.5  | 549.2  |
| 80°    | 391.1  | 388.3  | 404.9  | 393.8  | 393.8  | 410.5  | 407.7  | 410.5  | 416.0  | 418.8  | 421.6  |
| 82.5°  | 274.6  | 269.0  | 282.9  | 280.1  | 277.4  | 291.2  | 294.0  | 291.2  | 299.5  | 302.3  | 302.3  |
| 85°    | 169.2  | 169.2  | 177.5  | 172.0  | 172.0  | 183.1  | 183.1  | 185.8  | 191.4  | 194.1  | 194.1  |
| 87.5°  | 80.4   | 77.7   | 86.0   | 83.2   | 80.4   | 88.8   | 88.8   | 91.5   | 94.3   | 97.1   | 94.3   |
| 90°    | 2.8    | 2.8    | 5.5    | 5.5    | 5.5    | 11.1   | 11.1   | 11.1   | 13.9   | 13.9   | 11.1   |
| 92.5°  | 0.0    | 0.0    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 5.5    | 5.5    | 5.5    | 5.5    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.8    | 2.8    | 2.8    | 2.8    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.8    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.8    |
| 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    | 2.8    |



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 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

**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 | 2.8 | 2.8 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 0.0 | 2.8 |
| 132.5° | 0.0 | 0.0 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 2.8 | 2.8 | 2.8 | 2.8 | 0.0   | 2.8 | 0.0 | 0.0 | 0.0 | 2.8 |
| 137.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 140°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 142.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 145°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 147.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 150°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 152.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 155°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 157.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 160°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 162.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 165°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 167.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 170°   | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 172.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 175°   | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5   | 5.5 | 5.5 | 2.8 | 5.5 | 5.5 |
| 177.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5   | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 180°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |



TEST NUMBER: P895385  
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 | 3788.6 |
| 2.5°   | 3774.8 | 3755.3 | 3747.0 | 3752.6 | 3791.4 | 3752.6 | 3794.2 | 3808.0 | 3758.1 | 3785.9 |
| 5°     | 3763.7 | 3744.3 | 3733.2 | 3738.7 | 3777.5 | 3741.5 | 3785.9 | 3802.5 | 3760.9 | 3788.6 |
| 7.5°   | 3741.5 | 3719.3 | 3713.7 | 3722.1 | 3755.3 | 3724.8 | 3769.2 | 3785.9 | 3744.3 | 3772.0 |
| 10°    | 3708.2 | 3688.8 | 3683.2 | 3691.6 | 3722.1 | 3691.6 | 3730.4 | 3744.3 | 3705.4 | 3730.4 |
| 12.5°  | 3666.6 | 3647.2 | 3641.6 | 3652.7 | 3680.5 | 3652.7 | 3691.6 | 3705.4 | 3666.6 | 3691.6 |
| 15°    | 3613.9 | 3594.5 | 3591.7 | 3608.3 | 3633.3 | 3608.3 | 3647.2 | 3658.3 | 3619.4 | 3644.4 |
| 17.5°  | 3550.1 | 3530.7 | 3533.5 | 3552.9 | 3572.3 | 3550.1 | 3586.2 | 3597.3 | 3561.2 | 3580.6 |
| 20°    | 3480.8 | 3458.6 | 3464.1 | 3480.8 | 3497.4 | 3475.2 | 3511.3 | 3522.4 | 3489.1 | 3508.5 |
| 22.5°  | 3400.3 | 3378.1 | 3383.7 | 3403.1 | 3414.2 | 3394.8 | 3428.1 | 3439.2 | 3411.4 | 3430.8 |
| 25°    | 3311.6 | 3292.2 | 3300.5 | 3319.9 | 3328.2 | 3311.6 | 3342.1 | 3350.4 | 3325.4 | 3342.1 |
| 27.5°  | 3222.8 | 3200.6 | 3211.7 | 3231.1 | 3236.7 | 3220.1 | 3250.6 | 3256.1 | 3231.1 | 3247.8 |
| 30°    | 3123.0 | 3100.8 | 3114.7 | 3136.8 | 3136.8 | 3125.8 | 3150.7 | 3156.3 | 3136.8 | 3150.7 |
| 32.5°  | 3012.0 | 2995.4 | 3012.0 | 3031.5 | 3028.7 | 3020.4 | 3045.3 | 3050.9 | 3034.2 | 3045.3 |
| 35°    | 2901.1 | 2887.2 | 2903.9 | 2923.3 | 2920.5 | 2912.2 | 2937.2 | 2939.9 | 2926.1 | 2937.2 |
| 37.5°  | 2787.4 | 2776.3 | 2792.9 | 2809.6 | 2804.0 | 2798.5 | 2820.7 | 2820.7 | 2812.3 | 2823.4 |
| 40°    | 2670.9 | 2659.8 | 2673.7 | 2693.1 | 2682.0 | 2682.0 | 2695.9 | 2701.4 | 2693.1 | 2704.2 |
| 42.5°  | 2548.9 | 2537.8 | 2554.4 | 2571.1 | 2560.0 | 2557.2 | 2573.8 | 2576.6 | 2571.1 | 2579.4 |
| 45°    | 2421.3 | 2410.2 | 2426.8 | 2440.7 | 2429.6 | 2429.6 | 2443.5 | 2443.5 | 2440.7 | 2451.8 |
| 47.5°  | 2290.9 | 2282.6 | 2296.5 | 2310.3 | 2299.2 | 2307.6 | 2307.6 | 2307.6 | 2313.1 | 2310.3 |
| 50°    | 2157.8 | 2149.5 | 2160.6 | 2177.2 | 2163.3 | 2166.1 | 2171.7 | 2171.7 | 2174.4 | 2177.2 |
| 52.5°  | 2019.1 | 2008.0 | 2019.1 | 2038.5 | 2019.1 | 2027.4 | 2030.2 | 2033.0 | 2041.3 | 2035.8 |
| 55°    | 1880.4 | 1869.4 | 1880.4 | 1897.1 | 1877.7 | 1888.8 | 1888.8 | 1891.5 | 1899.9 | 1894.3 |
| 57.5°  | 1736.2 | 1725.1 | 1741.8 | 1752.9 | 1733.4 | 1744.5 | 1744.5 | 1750.1 | 1755.6 | 1747.3 |
| 60°    | 1592.0 | 1583.7 | 1589.2 | 1608.6 | 1589.2 | 1600.3 | 1600.3 | 1600.3 | 1611.4 | 1603.1 |
| 62.5°  | 1445.0 | 1439.5 | 1445.0 | 1461.6 | 1442.2 | 1453.3 | 1450.6 | 1453.3 | 1464.4 | 1461.6 |
| 65°    | 1295.2 | 1289.7 | 1295.2 | 1311.9 | 1292.5 | 1303.6 | 1303.6 | 1306.3 | 1314.6 | 1303.6 |
| 67.5°  | 1148.2 | 1139.9 | 1148.2 | 1162.1 | 1145.5 | 1153.8 | 1153.8 | 1153.8 | 1167.7 | 1162.1 |
| 70°    | 998.5  | 992.9  | 998.5  | 1012.3 | 998.5  | 1004.0 | 1004.0 | 1004.0 | 1017.9 | 1020.7 |
| 72.5°  | 851.5  | 851.5  | 857.0  | 868.1  | 857.0  | 868.1  | 859.8  | 854.2  | 873.7  | 876.4  |
| 75°    | 707.2  | 710.0  | 712.8  | 723.9  | 712.8  | 723.9  | 718.3  | 712.8  | 729.4  | 732.2  |
| 77.5°  | 574.1  | 574.1  | 576.9  | 585.2  | 576.9  | 585.2  | 579.7  | 579.7  | 590.8  | 588.0  |
| 80°    | 438.2  | 438.2  | 441.0  | 449.3  | 441.0  | 449.3  | 443.8  | 443.8  | 454.9  | 443.8  |
| 82.5°  | 319.0  | 319.0  | 319.0  | 327.3  | 321.7  | 327.3  | 324.5  | 319.0  | 332.8  | 321.7  |
| 85°    | 205.2  | 208.0  | 208.0  | 210.8  | 208.0  | 210.8  | 210.8  | 208.0  | 216.3  | 208.0  |
| 87.5°  | 105.4  | 105.4  | 105.4  | 108.2  | 105.4  | 105.4  | 108.2  | 105.4  | 110.9  | 108.2  |
| 90°    | 19.4   | 16.6   | 16.6   | 22.2   | 19.4   | 19.4   | 22.2   | 16.6   | 19.4   | 16.6   |
| 92.5°  | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 11.1   | 11.1   |
| 95°    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 8.3    |
| 97.5°  | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 5.5    | 5.5    |
| 100°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 102.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 105°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 0.0    | 2.8    | 2.8    |
| 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    | 2.8    | 0.0    | 0.0    | 0.0    | 2.8    |





TEST NUMBER: P895385  
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

**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 | 2.8 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 2.8 | 2.8 | 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° | 2.8 | 2.8 | 2.8 | 2.8 | 0.0   | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 142.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 |
| 145°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 147.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 150°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 152.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 155°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 157.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 160°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 162.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 165°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 167.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 170°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 172.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 175°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 177.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 180°   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8   | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |



TEST NUMBER: P895385  
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC83-HI-3500K

**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 | 20.53            | 22.17 | 20.90 | 22.49 | 22.80 | 20.67          | 22.31 | 21.04 | 22.62 | 22.94 |
|                 | 3H   | 22.36            | 23.84 | 22.74 | 24.17 | 24.53 | 22.50          | 23.98 | 22.88 | 24.31 | 24.68 |
|                 | 4H   | 23.02            | 24.41 | 23.42 | 24.76 | 25.14 | 23.21          | 24.61 | 23.61 | 24.96 | 25.33 |
|                 | 6H   | 23.47            | 24.77 | 23.88 | 25.13 | 25.53 | 23.77          | 25.06 | 24.18 | 25.43 | 25.82 |
|                 | 8H   | 23.61            | 24.85 | 24.04 | 25.24 | 25.64 | 23.96          | 25.20 | 24.39 | 25.59 | 25.99 |
|                 | 12H  | 23.71            | 24.89 | 24.14 | 25.28 | 25.71 | 24.10          | 25.29 | 24.54 | 25.67 | 26.11 |
| 4H              | 2H   | 21.17            | 22.56 | 21.57 | 22.91 | 23.29 | 21.28          | 22.67 | 21.68 | 23.02 | 23.40 |
|                 | 3H   | 23.21            | 24.38 | 23.62 | 24.78 | 25.18 | 23.34          | 24.52 | 23.75 | 24.92 | 25.32 |
|                 | 4H   | 24.00            | 25.06 | 24.44 | 25.48 | 25.92 | 24.19          | 25.25 | 24.62 | 25.66 | 26.10 |
|                 | 6H   | 24.58            | 25.51 | 25.03 | 25.95 | 26.41 | 24.88          | 25.81 | 25.34 | 26.25 | 26.71 |
|                 | 8H   | 24.77            | 25.64 | 25.23 | 26.08 | 26.55 | 25.13          | 26.00 | 25.59 | 26.44 | 26.91 |
|                 | 12H  | 24.91            | 25.69 | 25.39 | 26.17 | 26.64 | 25.32          | 26.10 | 25.80 | 26.58 | 27.05 |
| 8H              | 4H   | 24.33            | 25.20 | 24.79 | 25.65 | 26.11 | 24.50          | 25.37 | 24.96 | 25.81 | 26.28 |
|                 | 6H   | 25.03            | 25.76 | 25.53 | 26.25 | 26.73 | 25.32          | 26.05 | 25.82 | 26.54 | 27.01 |
|                 | 8H   | 25.30            | 25.95 | 25.81 | 26.46 | 26.94 | 25.65          | 26.30 | 26.16 | 26.81 | 27.30 |
|                 | 12H  | 25.51            | 26.09 | 26.02 | 26.58 | 27.14 | 25.94          | 26.51 | 26.44 | 27.00 | 27.57 |
| 12H             | 4H   | 24.38            | 25.16 | 24.86 | 25.63 | 26.11 | 24.53          | 25.31 | 25.01 | 25.79 | 26.26 |
|                 | 6H   | 25.10            | 25.76 | 25.62 | 26.26 | 26.75 | 25.38          | 26.03 | 25.89 | 26.54 | 27.03 |
|                 | 8H   | 25.43            | 26.01 | 25.94 | 26.50 | 27.06 | 25.77          | 26.35 | 26.28 | 26.84 | 27.40 |