

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: P893124

Luminaire Tested: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K
Description: Selectable 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 50
CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

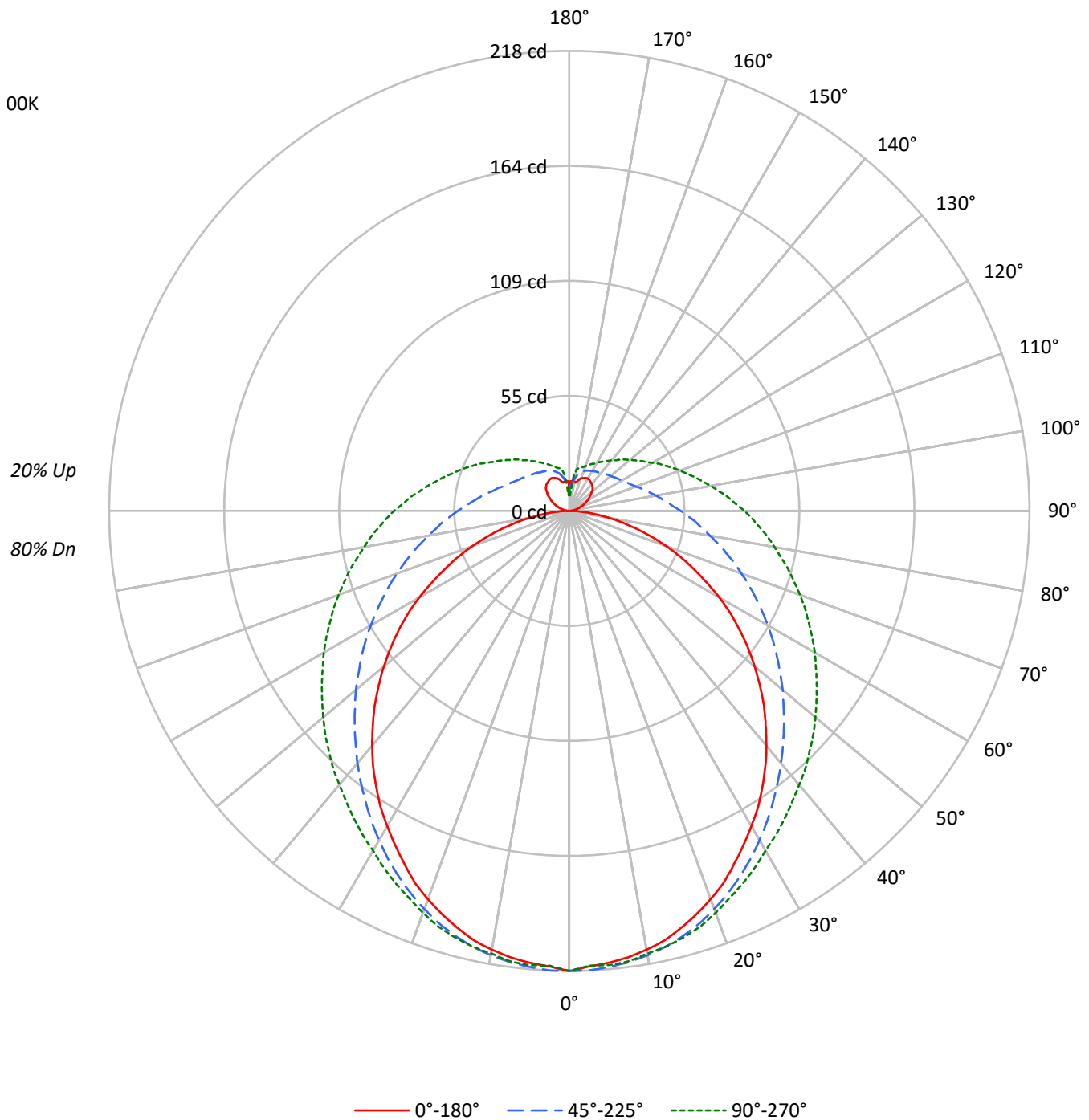
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 916.0 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 6.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893124
CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P893124

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

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 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 100 | 100 | 100 | 91 | 91 | 91 | 83 | 83 | 83 | 83 | 83 | 83 | 80 |
| 1 | 102 | 96 | 91 | 86 | 97 | 92 | 87 | 83 | 84 | 80 | 76 | 76 | 73 | 70 | 69 | 67 | 65 | 65 | 65 | 65 | 61 |
| 2 | 92 | 82 | 75 | 68 | 87 | 79 | 72 | 66 | 72 | 66 | 61 | 65 | 61 | 57 | 60 | 56 | 53 | 53 | 53 | 53 | 49 |
| 3 | 83 | 72 | 63 | 56 | 79 | 69 | 61 | 54 | 63 | 56 | 51 | 57 | 52 | 47 | 52 | 48 | 44 | 44 | 44 | 44 | 41 |
| 4 | 76 | 63 | 54 | 47 | 72 | 60 | 52 | 45 | 55 | 48 | 43 | 51 | 45 | 40 | 46 | 41 | 37 | 37 | 37 | 37 | 34 |
| 5 | 69 | 56 | 47 | 40 | 66 | 54 | 45 | 39 | 49 | 42 | 37 | 45 | 39 | 34 | 41 | 36 | 32 | 32 | 32 | 32 | 29 |
| 6 | 64 | 50 | 41 | 35 | 61 | 48 | 40 | 34 | 44 | 37 | 32 | 41 | 35 | 30 | 37 | 32 | 28 | 28 | 28 | 28 | 26 |
| 7 | 59 | 46 | 37 | 30 | 56 | 44 | 35 | 30 | 40 | 33 | 28 | 37 | 31 | 26 | 34 | 29 | 25 | 25 | 25 | 25 | 23 |
| 8 | 55 | 41 | 33 | 27 | 52 | 40 | 32 | 26 | 37 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 22 | 22 | 22 | 22 | 20 |
| 9 | 51 | 38 | 30 | 24 | 49 | 37 | 29 | 23 | 34 | 27 | 22 | 31 | 25 | 21 | 29 | 24 | 20 | 20 | 20 | 20 | 18 |
| 10 | 48 | 35 | 27 | 22 | 46 | 34 | 26 | 21 | 31 | 25 | 20 | 29 | 23 | 19 | 27 | 22 | 18 | 18 | 18 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3119 | 3119 | 3119 |
| 5° | 3059 | 2994 | 2961 |
| 10° | 3011 | 2872 | 2821 |
| 15° | 2947 | 2748 | 2702 |
| 20° | 2871 | 2617 | 2573 |
| 25° | 2779 | 2483 | 2448 |
| 30° | 2686 | 2350 | 2333 |
| 35° | 2594 | 2221 | 2245 |
| 40° | 2493 | 2101 | 2167 |
| 45° | 2387 | 1990 | 2104 |
| 50° | 2268 | 1895 | 2049 |
| 55° | 2140 | 1805 | 2002 |
| 60° | 1989 | 1726 | 1971 |
| 65° | 1795 | 1658 | 1947 |
| 70° | 1590 | 1600 | 1942 |
| 75° | 1321 | 1560 | 1951 |
| 80° | 985 | 1541 | 1980 |
| 85° | 596 | 1571 | 2047 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2387 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 20.6 | 2.2 |
| 10°-20° | 58.8 | 6.4 |
| 20°-30° | 88.2 | 9.6 |
| 30°-40° | 106.0 | 11.6 |
| 40°-50° | 112.4 | 12.3 |
| 50°-60° | 108.2 | 11.8 |
| 60°-70° | 95.6 | 10.4 |
| 70°-80° | 78.2 | 8.5 |
| 80°-90° | 60.7 | 6.6 |
| 90°-100° | 47.0 | 5.1 |
| 100°-110° | 37.3 | 4.1 |
| 110°-120° | 29.8 | 3.3 |
| 120°-130° | 23.9 | 2.6 |
| 130°-140° | 18.8 | 2.1 |
| 140°-150° | 14.2 | 1.6 |
| 150°-160° | 9.7 | 1.1 |
| 160°-170° | 5.2 | 0.6 |
| 170°-180° | 1.3 | 0.1 |
| 0°-30° | 167.7 | 18.3 |
| 0°-40° | 273.7 | 29.9 |
| 0°-60° | 494.3 | 54.0 |
| 0°-90° | 728.7 | 79.6 |
| 90°-120° | 114.2 | 12.5 |
| 90°-150° | 171.0 | 18.7 |
| 90°-180° | 187.0 | 20.4 |
| 0°-180° | 916.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 218 | 218 | 218 | 218 | 218 | |
| 5° | 215 | 217 | 217 | 218 | 216 | 20 |
| 15° | 205 | 208 | 208 | 210 | 209 | 58 |
| 25° | 185 | 189 | 191 | 195 | 195 | 85 |
| 35° | 160 | 164 | 168 | 176 | 178 | 100 |
| 45° | 130 | 135 | 144 | 156 | 161 | 100 |
| 55° | 99 | 104 | 120 | 136 | 143 | 88 |
| 65° | 65 | 75 | 98 | 117 | 125 | 64 |
| 75° | 33 | 49 | 77 | 99 | 108 | 35 |
| 85° | 8 | 30 | 60 | 82 | 91 | 9 |
| 90° | 0 | 24 | 53 | 74 | 83 | 1 |
| 95° | 1 | 20 | 47 | 67 | 75 | 1 |
| 105° | 4 | 16 | 37 | 55 | 62 | 4 |
| 115° | 8 | 15 | 31 | 45 | 50 | 8 |
| 125° | 12 | 16 | 27 | 37 | 41 | 11 |
| 135° | 16 | 17 | 24 | 31 | 34 | 12 |
| 145° | 17 | 18 | 23 | 27 | 29 | 11 |
| 155° | 17 | 19 | 21 | 23 | 24 | 8 |
| 165° | 14 | 16 | 18 | 21 | 21 | 4 |
| 175° | 14 | 13 | 13 | 12 | 11 | 1 |
| 180° | 11 | 11 | 11 | 11 | 11 | |



TEST NUMBER: P893124

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 |
| 2.5° | 216.1 | 217.3 | 217.6 | 217.3 | 217.3 | 218.0 | 218.0 | 219.5 | 219.9 | 217.6 | 218.0 |
| 5° | 215.0 | 216.1 | 216.9 | 216.5 | 216.5 | 217.3 | 216.9 | 218.4 | 218.8 | 216.9 | 216.9 |
| 7.5° | 213.4 | 214.6 | 215.3 | 215.0 | 215.0 | 215.7 | 215.3 | 216.9 | 217.3 | 215.7 | 215.7 |
| 10° | 211.1 | 212.7 | 213.4 | 212.7 | 213.0 | 213.8 | 213.4 | 215.0 | 215.3 | 213.8 | 213.8 |
| 12.5° | 208.5 | 210.0 | 210.8 | 210.4 | 210.8 | 211.1 | 210.8 | 212.7 | 213.0 | 211.5 | 211.5 |
| 15° | 204.6 | 206.5 | 206.9 | 206.5 | 206.9 | 208.1 | 207.3 | 208.8 | 210.0 | 208.5 | 208.5 |
| 17.5° | 200.4 | 202.3 | 203.1 | 202.7 | 203.5 | 204.2 | 203.5 | 205.4 | 206.2 | 204.6 | 205.0 |
| 20° | 195.8 | 197.7 | 198.5 | 198.1 | 198.9 | 199.7 | 198.9 | 200.8 | 201.6 | 200.4 | 200.8 |
| 22.5° | 190.9 | 192.8 | 193.5 | 193.2 | 193.9 | 194.7 | 193.9 | 195.8 | 197.0 | 195.8 | 196.2 |
| 25° | 184.7 | 187.0 | 187.8 | 187.4 | 188.2 | 189.3 | 188.2 | 190.5 | 191.6 | 190.9 | 191.2 |
| 27.5° | 178.6 | 180.5 | 182.1 | 181.3 | 182.4 | 183.6 | 182.8 | 184.4 | 185.9 | 185.5 | 185.9 |
| 30° | 172.5 | 174.4 | 175.9 | 175.2 | 176.3 | 177.5 | 176.3 | 178.2 | 179.8 | 179.8 | 180.2 |
| 32.5° | 166.4 | 167.9 | 169.1 | 168.7 | 169.4 | 171.0 | 170.2 | 172.1 | 173.6 | 173.6 | 174.4 |
| 35° | 159.5 | 161.0 | 162.2 | 161.8 | 162.9 | 164.1 | 163.3 | 165.2 | 167.1 | 167.5 | 168.3 |
| 37.5° | 152.6 | 154.1 | 155.3 | 154.9 | 155.7 | 157.2 | 156.4 | 158.7 | 160.3 | 161.0 | 162.2 |
| 40° | 145.3 | 146.9 | 148.0 | 147.6 | 148.8 | 149.9 | 149.6 | 151.5 | 153.4 | 154.5 | 156.1 |
| 42.5° | 137.7 | 139.2 | 140.4 | 140.4 | 141.5 | 143.1 | 142.3 | 144.6 | 146.5 | 148.0 | 149.9 |
| 45° | 130.4 | 131.6 | 132.7 | 132.7 | 134.3 | 135.4 | 135.0 | 137.3 | 139.6 | 141.5 | 143.8 |
| 47.5° | 122.4 | 123.9 | 124.7 | 125.1 | 126.6 | 127.8 | 127.8 | 130.0 | 132.7 | 135.4 | 137.7 |
| 50° | 114.7 | 115.9 | 117.0 | 117.0 | 119.0 | 120.1 | 120.1 | 122.8 | 126.2 | 129.3 | 132.0 |
| 52.5° | 106.7 | 107.9 | 109.0 | 109.4 | 110.9 | 112.5 | 112.5 | 115.5 | 119.3 | 122.8 | 125.8 |
| 55° | 98.7 | 99.8 | 100.6 | 101.4 | 103.3 | 104.4 | 105.2 | 108.6 | 112.8 | 116.3 | 120.1 |
| 57.5° | 90.6 | 91.4 | 92.6 | 93.3 | 95.6 | 97.2 | 98.3 | 102.1 | 106.3 | 110.5 | 114.4 |
| 60° | 82.2 | 83.4 | 84.1 | 85.3 | 87.6 | 89.9 | 91.0 | 95.2 | 99.8 | 104.4 | 108.6 |
| 62.5° | 73.1 | 74.2 | 75.4 | 76.9 | 80.3 | 82.2 | 84.1 | 88.7 | 93.3 | 98.3 | 102.9 |
| 65° | 65.0 | 65.8 | 66.9 | 68.5 | 72.3 | 74.6 | 76.9 | 81.9 | 87.2 | 92.6 | 97.5 |
| 67.5° | 57.0 | 57.8 | 59.3 | 61.2 | 65.4 | 67.7 | 70.0 | 75.4 | 81.5 | 87.2 | 92.2 |
| 70° | 49.0 | 49.3 | 51.3 | 53.9 | 58.5 | 60.8 | 63.5 | 68.8 | 75.0 | 81.5 | 86.8 |
| 72.5° | 40.9 | 41.7 | 43.6 | 46.7 | 52.0 | 54.7 | 57.4 | 63.5 | 69.6 | 75.7 | 81.9 |
| 75° | 33.3 | 33.7 | 36.3 | 40.2 | 45.9 | 49.0 | 52.0 | 58.1 | 64.6 | 71.1 | 76.9 |
| 77.5° | 26.0 | 26.4 | 29.8 | 34.0 | 40.2 | 43.6 | 46.7 | 52.8 | 59.7 | 66.2 | 72.3 |
| 80° | 19.1 | 19.9 | 23.3 | 28.7 | 34.8 | 38.2 | 42.1 | 48.6 | 55.1 | 62.0 | 67.7 |
| 82.5° | 13.0 | 14.2 | 18.0 | 23.7 | 30.2 | 34.0 | 37.5 | 44.0 | 50.9 | 57.8 | 63.5 |
| 85° | 8.0 | 9.2 | 13.8 | 19.5 | 26.4 | 29.8 | 33.3 | 40.2 | 47.0 | 53.5 | 60.1 |
| 87.5° | 3.4 | 5.7 | 10.3 | 16.1 | 22.9 | 26.4 | 30.2 | 36.7 | 43.2 | 50.1 | 56.2 |
| 90° | 0.4 | 3.4 | 8.0 | 13.8 | 20.3 | 23.7 | 27.2 | 33.7 | 40.2 | 46.7 | 52.8 |
| 92.5° | 0.4 | 2.3 | 6.5 | 11.9 | 18.0 | 21.4 | 24.5 | 31.0 | 37.1 | 43.6 | 49.3 |
| 95° | 1.1 | 2.3 | 5.7 | 10.7 | 16.4 | 19.5 | 22.6 | 28.7 | 34.8 | 40.9 | 46.7 |
| 97.5° | 1.5 | 2.7 | 5.7 | 9.9 | 14.9 | 18.0 | 21.0 | 26.8 | 32.5 | 38.2 | 44.0 |
| 100° | 2.3 | 3.1 | 5.7 | 9.6 | 14.2 | 16.8 | 19.5 | 24.9 | 30.6 | 36.3 | 41.7 |
| 102.5° | 3.1 | 3.8 | 6.1 | 9.6 | 13.8 | 16.1 | 18.7 | 23.7 | 28.7 | 34.0 | 39.4 |
| 105° | 4.2 | 4.6 | 6.5 | 9.6 | 13.4 | 15.7 | 18.0 | 22.6 | 27.2 | 32.5 | 37.1 |
| 107.5° | 5.0 | 5.4 | 6.9 | 9.9 | 13.4 | 15.3 | 17.6 | 21.4 | 26.0 | 30.6 | 35.6 |
| 110° | 5.7 | 5.7 | 7.6 | 10.3 | 13.4 | 14.9 | 17.2 | 21.0 | 25.2 | 29.5 | 33.7 |



TEST NUMBER: P893124

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 6.9 | 6.9 | 8.0 | 10.7 | 13.4 | 14.9 | 16.8 | 20.3 | 24.1 | 28.3 | 32.1 |
| 115° | 8.0 | 7.6 | 8.8 | 11.1 | 13.8 | 14.9 | 16.8 | 19.9 | 23.3 | 27.2 | 31.0 |
| 117.5° | 8.8 | 8.4 | 9.6 | 11.5 | 13.8 | 15.3 | 16.8 | 19.9 | 22.9 | 26.4 | 29.8 |
| 120° | 9.9 | 9.2 | 9.9 | 11.9 | 14.2 | 15.3 | 16.8 | 19.5 | 22.6 | 25.6 | 28.7 |
| 122.5° | 10.7 | 10.3 | 10.7 | 12.6 | 14.5 | 15.3 | 16.8 | 19.1 | 22.2 | 24.9 | 27.9 |
| 125° | 11.9 | 11.1 | 11.5 | 13.0 | 14.9 | 15.7 | 17.2 | 19.1 | 21.8 | 24.5 | 27.2 |
| 127.5° | 13.0 | 11.9 | 11.9 | 13.4 | 14.9 | 16.1 | 17.2 | 19.1 | 21.4 | 23.7 | 26.4 |
| 130° | 13.8 | 13.0 | 12.6 | 14.2 | 15.3 | 16.1 | 17.2 | 19.1 | 21.0 | 23.3 | 25.6 |
| 132.5° | 14.9 | 13.8 | 13.4 | 14.5 | 15.7 | 16.4 | 17.6 | 19.1 | 21.0 | 22.9 | 25.2 |
| 135° | 15.7 | 14.5 | 14.2 | 14.9 | 16.1 | 16.8 | 17.6 | 19.1 | 21.0 | 22.6 | 24.5 |
| 137.5° | 16.1 | 15.3 | 14.9 | 15.3 | 16.4 | 17.2 | 18.0 | 19.1 | 20.7 | 22.2 | 24.1 |
| 140° | 16.8 | 16.1 | 15.7 | 16.1 | 16.8 | 17.2 | 18.0 | 19.1 | 20.7 | 21.8 | 23.7 |
| 142.5° | 16.8 | 16.8 | 16.1 | 16.4 | 16.8 | 17.6 | 18.4 | 19.1 | 20.3 | 21.8 | 22.9 |
| 145° | 17.2 | 17.2 | 16.8 | 17.2 | 17.2 | 17.6 | 18.4 | 19.1 | 20.3 | 21.4 | 22.6 |
| 147.5° | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 18.0 | 18.4 | 19.1 | 20.3 | 21.0 | 22.2 |
| 150° | 17.6 | 17.6 | 18.0 | 18.0 | 18.4 | 18.4 | 18.7 | 19.1 | 20.3 | 21.0 | 21.8 |
| 152.5° | 17.6 | 17.2 | 18.0 | 18.4 | 18.7 | 18.7 | 18.7 | 19.1 | 19.9 | 20.7 | 21.4 |
| 155° | 17.2 | 16.8 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 | 19.1 | 19.9 | 20.3 | 21.0 |
| 157.5° | 16.8 | 16.4 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 18.7 | 19.1 | 19.9 | 20.7 |
| 160° | 16.4 | 16.1 | 16.4 | 17.2 | 17.6 | 18.0 | 18.4 | 18.4 | 18.7 | 19.1 | 19.9 |
| 162.5° | 15.7 | 15.3 | 15.7 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 |
| 165° | 14.5 | 14.5 | 14.5 | 15.3 | 16.1 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 |
| 167.5° | 13.8 | 13.4 | 13.8 | 14.2 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.8 | 17.2 |
| 170° | 13.8 | 13.4 | 13.4 | 13.8 | 14.2 | 14.2 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 |
| 172.5° | 14.2 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 14.2 | 14.2 |
| 175° | 14.2 | 14.2 | 13.8 | 13.8 | 13.4 | 13.4 | 13.4 | 13.4 | 13.0 | 12.6 | 12.6 |
| 177.5° | 14.2 | 14.2 | 14.2 | 13.8 | 13.8 | 13.4 | 13.4 | 13.4 | 13.0 | 12.6 | 11.9 |
| 180° | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |



TEST NUMBER: P893124

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 | 218.0 |
| 2.5° | 217.6 | 217.6 | 216.1 | 217.6 | 218.0 | 217.3 | 216.9 | 217.6 | 216.5 | 215.7 |
| 5° | 216.9 | 216.9 | 215.7 | 217.3 | 217.6 | 216.9 | 216.9 | 217.6 | 216.5 | 216.1 |
| 7.5° | 215.3 | 215.7 | 215.0 | 216.5 | 216.9 | 216.1 | 216.1 | 216.9 | 216.1 | 215.3 |
| 10° | 213.8 | 213.8 | 213.4 | 214.6 | 214.6 | 214.2 | 213.8 | 214.6 | 214.2 | 213.0 |
| 12.5° | 211.5 | 211.9 | 211.1 | 212.7 | 213.0 | 212.3 | 212.3 | 213.0 | 212.3 | 211.5 |
| 15° | 208.8 | 208.8 | 208.8 | 210.0 | 210.4 | 210.0 | 210.0 | 210.8 | 210.0 | 209.2 |
| 17.5° | 205.4 | 205.8 | 205.8 | 207.3 | 207.7 | 206.9 | 206.9 | 208.1 | 207.7 | 206.5 |
| 20° | 201.2 | 201.6 | 202.0 | 203.1 | 203.5 | 203.1 | 203.1 | 203.9 | 203.9 | 202.7 |
| 22.5° | 197.0 | 197.0 | 197.7 | 198.9 | 199.3 | 198.9 | 198.9 | 200.0 | 200.0 | 198.5 |
| 25° | 192.0 | 192.0 | 193.2 | 194.7 | 194.7 | 194.3 | 194.7 | 195.5 | 195.8 | 194.7 |
| 27.5° | 187.0 | 187.4 | 188.6 | 190.1 | 190.1 | 190.1 | 190.1 | 191.2 | 191.2 | 190.5 |
| 30° | 181.3 | 182.1 | 183.2 | 184.7 | 185.1 | 185.1 | 185.5 | 186.3 | 187.0 | 185.9 |
| 32.5° | 175.6 | 176.3 | 177.9 | 179.8 | 180.2 | 180.5 | 180.9 | 182.4 | 183.2 | 182.1 |
| 35° | 169.8 | 170.6 | 172.9 | 175.2 | 175.6 | 175.9 | 176.7 | 178.2 | 179.0 | 177.9 |
| 37.5° | 164.1 | 165.2 | 168.3 | 170.2 | 171.0 | 171.4 | 172.5 | 173.6 | 175.2 | 173.6 |
| 40° | 158.7 | 159.9 | 163.3 | 165.6 | 166.0 | 166.8 | 167.9 | 169.4 | 170.6 | 169.4 |
| 42.5° | 153.0 | 154.5 | 158.0 | 160.6 | 161.4 | 162.2 | 163.3 | 164.9 | 166.4 | 165.6 |
| 45° | 147.3 | 149.2 | 153.0 | 155.7 | 156.4 | 157.6 | 159.1 | 160.6 | 162.2 | 161.0 |
| 47.5° | 141.5 | 143.8 | 148.0 | 150.7 | 151.5 | 153.0 | 154.5 | 156.1 | 157.6 | 156.8 |
| 50° | 135.8 | 138.1 | 142.7 | 145.7 | 146.9 | 148.4 | 149.6 | 151.5 | 153.0 | 152.2 |
| 52.5° | 130.4 | 132.7 | 137.7 | 140.8 | 141.9 | 143.4 | 145.0 | 146.9 | 148.4 | 147.6 |
| 55° | 124.3 | 127.0 | 132.3 | 135.4 | 136.5 | 138.5 | 140.4 | 141.9 | 143.8 | 143.1 |
| 57.5° | 119.0 | 122.0 | 127.4 | 130.8 | 132.0 | 133.9 | 135.8 | 137.7 | 139.6 | 138.5 |
| 60° | 113.6 | 116.7 | 122.4 | 125.8 | 127.0 | 129.3 | 131.2 | 132.7 | 135.0 | 134.3 |
| 62.5° | 108.2 | 111.7 | 117.0 | 120.9 | 122.4 | 124.3 | 126.2 | 128.1 | 130.0 | 129.7 |
| 65° | 102.5 | 106.3 | 112.1 | 115.9 | 117.4 | 119.7 | 121.6 | 123.5 | 125.5 | 125.1 |
| 67.5° | 97.9 | 101.7 | 107.5 | 111.3 | 112.8 | 115.1 | 117.4 | 119.3 | 121.2 | 120.9 |
| 70° | 92.6 | 96.8 | 102.5 | 106.3 | 107.9 | 110.2 | 112.5 | 114.4 | 116.3 | 116.3 |
| 72.5° | 88.0 | 92.2 | 97.9 | 101.7 | 103.7 | 105.9 | 108.2 | 110.2 | 112.1 | 111.7 |
| 75° | 83.4 | 87.6 | 93.3 | 97.2 | 99.1 | 101.7 | 104.0 | 105.9 | 107.9 | 107.5 |
| 77.5° | 78.4 | 83.0 | 88.7 | 92.6 | 94.5 | 97.2 | 99.4 | 101.4 | 103.3 | 102.9 |
| 80° | 73.8 | 78.8 | 84.5 | 88.4 | 90.3 | 92.6 | 95.2 | 97.2 | 99.1 | 98.7 |
| 82.5° | 69.6 | 74.6 | 80.7 | 84.5 | 86.4 | 88.7 | 91.4 | 93.3 | 94.9 | 94.9 |
| 85° | 65.8 | 70.4 | 76.1 | 80.3 | 82.2 | 84.5 | 87.2 | 89.1 | 91.0 | 90.6 |
| 87.5° | 62.0 | 66.6 | 71.9 | 76.1 | 78.0 | 80.3 | 83.4 | 85.3 | 86.8 | 86.8 |
| 90° | 58.5 | 63.1 | 68.5 | 72.3 | 74.2 | 76.5 | 79.2 | 81.5 | 83.0 | 83.0 |
| 92.5° | 55.5 | 59.7 | 65.0 | 68.5 | 70.4 | 72.7 | 75.7 | 77.3 | 78.8 | 78.8 |
| 95° | 52.4 | 56.6 | 61.6 | 65.0 | 66.9 | 69.2 | 71.9 | 73.8 | 75.0 | 75.4 |
| 97.5° | 49.3 | 53.5 | 58.5 | 61.6 | 63.5 | 65.8 | 68.5 | 70.0 | 71.1 | 71.5 |
| 100° | 46.7 | 50.9 | 55.5 | 58.5 | 60.4 | 62.7 | 65.0 | 66.6 | 67.7 | 68.1 |
| 102.5° | 44.4 | 48.2 | 52.8 | 55.8 | 57.4 | 59.3 | 62.0 | 63.5 | 64.6 | 64.6 |
| 105° | 42.1 | 45.9 | 50.1 | 53.2 | 54.7 | 56.6 | 58.9 | 60.4 | 61.6 | 61.6 |
| 107.5° | 39.8 | 43.6 | 47.4 | 50.5 | 52.0 | 53.5 | 55.8 | 57.4 | 58.5 | 58.5 |
| 110° | 37.9 | 41.3 | 45.1 | 47.8 | 49.3 | 50.9 | 53.2 | 54.7 | 55.5 | 55.8 |



TEST NUMBER: P893124

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 36.3 | 39.4 | 42.8 | 45.5 | 47.0 | 48.6 | 50.5 | 52.0 | 52.8 | 53.2 |
| 115° | 34.8 | 37.5 | 40.9 | 43.2 | 44.8 | 46.3 | 48.2 | 49.3 | 50.1 | 50.5 |
| 117.5° | 33.3 | 36.0 | 39.0 | 41.3 | 42.5 | 44.0 | 45.9 | 47.0 | 47.8 | 48.2 |
| 120° | 32.1 | 34.4 | 37.5 | 39.4 | 40.5 | 42.1 | 43.6 | 44.8 | 45.5 | 45.5 |
| 122.5° | 30.6 | 33.3 | 35.6 | 37.5 | 38.6 | 39.8 | 41.7 | 42.5 | 43.2 | 43.2 |
| 125° | 29.8 | 31.7 | 34.4 | 36.0 | 37.1 | 38.2 | 39.8 | 40.5 | 41.3 | 41.3 |
| 127.5° | 28.7 | 30.6 | 32.9 | 34.4 | 35.2 | 36.3 | 37.9 | 38.6 | 39.0 | 39.4 |
| 130° | 27.9 | 29.8 | 31.7 | 33.3 | 34.0 | 34.8 | 36.3 | 36.7 | 37.5 | 37.5 |
| 132.5° | 27.2 | 28.7 | 30.6 | 31.7 | 32.5 | 33.3 | 34.4 | 35.2 | 35.6 | 36.0 |
| 135° | 26.4 | 27.9 | 29.5 | 30.6 | 31.4 | 32.1 | 33.3 | 33.7 | 34.0 | 34.4 |
| 137.5° | 25.6 | 27.2 | 28.3 | 29.5 | 29.8 | 30.6 | 31.7 | 32.1 | 32.5 | 32.5 |
| 140° | 24.9 | 26.4 | 27.5 | 28.3 | 29.1 | 29.5 | 30.6 | 31.0 | 31.0 | 31.4 |
| 142.5° | 24.5 | 25.6 | 26.4 | 27.2 | 27.9 | 28.3 | 29.1 | 29.5 | 29.8 | 29.8 |
| 145° | 23.7 | 24.9 | 25.6 | 26.4 | 26.8 | 27.2 | 27.9 | 28.3 | 28.7 | 28.7 |
| 147.5° | 23.3 | 24.1 | 24.9 | 25.6 | 26.0 | 26.4 | 27.2 | 27.2 | 27.5 | 27.5 |
| 150° | 22.6 | 23.7 | 24.1 | 24.9 | 25.2 | 25.2 | 26.0 | 26.4 | 26.4 | 26.4 |
| 152.5° | 22.2 | 22.9 | 23.3 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.2 | 25.2 |
| 155° | 21.8 | 22.6 | 22.9 | 23.3 | 23.3 | 23.7 | 24.1 | 24.1 | 24.1 | 24.5 |
| 157.5° | 21.4 | 21.8 | 22.2 | 22.6 | 22.6 | 22.9 | 23.3 | 23.3 | 23.3 | 23.3 |
| 160° | 20.7 | 21.0 | 21.4 | 21.8 | 22.2 | 22.2 | 22.6 | 22.6 | 22.6 | 22.6 |
| 162.5° | 19.5 | 20.3 | 20.7 | 21.0 | 21.4 | 21.4 | 21.8 | 21.8 | 21.8 | 21.8 |
| 165° | 18.7 | 19.1 | 19.5 | 20.3 | 20.7 | 20.7 | 21.0 | 21.0 | 21.0 | 21.0 |
| 167.5° | 18.0 | 18.0 | 18.4 | 18.7 | 19.5 | 19.9 | 20.3 | 20.7 | 20.7 | 20.7 |
| 170° | 16.4 | 16.4 | 16.8 | 16.8 | 17.6 | 18.0 | 18.7 | 19.5 | 19.9 | 19.9 |
| 172.5° | 14.5 | 14.5 | 14.9 | 14.5 | 14.9 | 14.9 | 15.3 | 16.1 | 16.8 | 17.2 |
| 175° | 12.6 | 12.6 | 11.9 | 11.5 | 11.5 | 11.1 | 11.1 | 10.7 | 9.9 | 10.7 |
| 177.5° | 11.1 | 10.7 | 9.9 | 9.2 | 9.2 | 8.8 | 8.8 | 8.0 | 7.3 | 7.3 |
| 180° | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |



TEST NUMBER: P893124
 CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-LOW-5000K

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 | 10.84 | 12.15 | 11.49 | 12.82 | 13.59 | 14.23 | 15.54 | 14.87 | 16.21 | 16.98 |
| | 3H | 12.17 | 13.36 | 12.82 | 14.04 | 14.84 | 17.05 | 18.24 | 17.70 | 18.92 | 19.72 |
| | 4H | 12.56 | 13.70 | 13.24 | 14.39 | 15.20 | 18.46 | 19.60 | 19.14 | 20.29 | 21.10 |
| | 6H | 12.77 | 13.83 | 13.46 | 14.53 | 15.36 | 19.95 | 21.01 | 20.64 | 21.71 | 22.54 |
| | 8H | 12.81 | 13.82 | 13.50 | 14.54 | 15.38 | 20.70 | 21.72 | 21.40 | 22.44 | 23.27 |
| | 12H | 12.81 | 13.78 | 13.52 | 14.50 | 15.36 | 21.50 | 22.47 | 22.20 | 23.18 | 24.05 |
| 4H | 2H | 11.97 | 13.10 | 12.64 | 13.79 | 14.61 | 14.57 | 15.70 | 15.24 | 16.39 | 17.21 |
| | 3H | 13.57 | 14.55 | 14.26 | 15.27 | 16.11 | 17.62 | 18.60 | 18.31 | 19.32 | 20.16 |
| | 4H | 14.13 | 15.03 | 14.84 | 15.76 | 16.62 | 19.22 | 20.12 | 19.92 | 20.84 | 21.71 |
| | 6H | 14.48 | 15.27 | 15.20 | 16.02 | 16.89 | 20.92 | 21.71 | 21.64 | 22.46 | 23.33 |
| | 8H | 14.55 | 15.30 | 15.28 | 16.05 | 16.93 | 21.79 | 22.54 | 22.52 | 23.29 | 24.17 |
| | 12H | 14.58 | 15.26 | 15.33 | 16.03 | 16.92 | 22.72 | 23.41 | 23.47 | 24.18 | 25.07 |
| 8H | 4H | 15.18 | 15.93 | 15.91 | 16.68 | 17.56 | 19.40 | 20.14 | 20.12 | 20.89 | 21.78 |
| | 6H | 15.79 | 16.43 | 16.55 | 17.22 | 18.10 | 21.28 | 21.92 | 22.04 | 22.71 | 23.59 |
| | 8H | 15.99 | 16.57 | 16.76 | 17.36 | 18.26 | 22.31 | 22.89 | 23.07 | 23.67 | 24.57 |
| | 12H | 16.11 | 16.62 | 16.88 | 17.40 | 18.36 | 23.44 | 23.96 | 24.21 | 24.74 | 25.69 |
| 12H | 4H | 15.51 | 16.19 | 16.26 | 16.96 | 17.86 | 19.39 | 20.07 | 20.14 | 20.85 | 21.74 |
| | 6H | 16.29 | 16.86 | 17.05 | 17.65 | 18.55 | 21.31 | 21.89 | 22.08 | 22.68 | 23.58 |
| | 8H | 16.62 | 17.13 | 17.39 | 17.91 | 18.87 | 22.41 | 22.92 | 23.18 | 23.70 | 24.66 |