

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: P895161

Luminaire Tested: 8TMB-6SL-RNDU-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-RNDU-UNV-L930
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

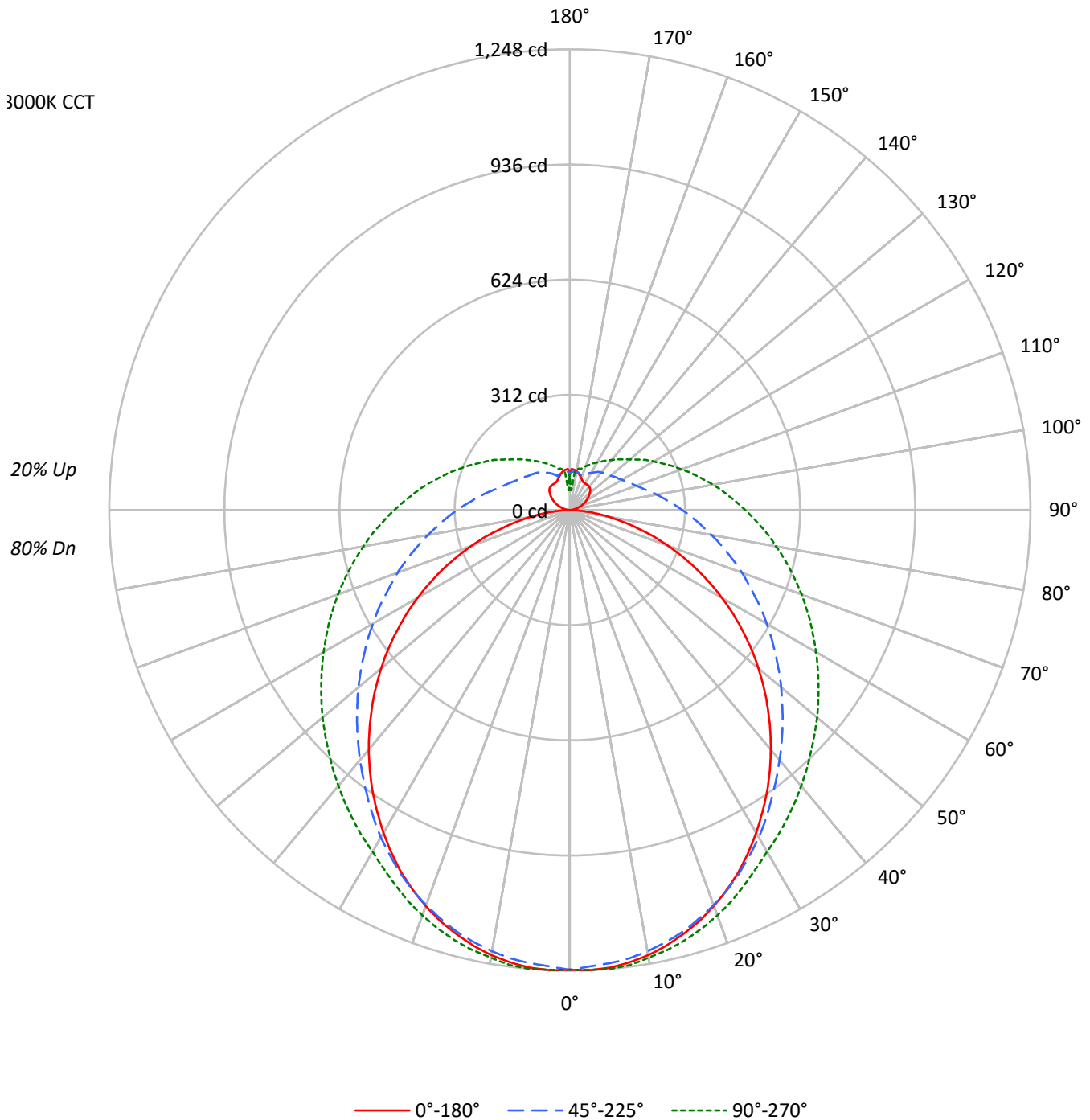
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5239.0 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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_{in}): 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: P895161
CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

Luminous Intensity Polar Plot





TEST NUMBER: P895161
 CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4420 | 4420 | 4420 |
| 5° | 4422 | 4239 | 4242 |
| 10° | 4390 | 4080 | 4046 |
| 15° | 4336 | 3919 | 3864 |
| 20° | 4269 | 3747 | 3678 |
| 25° | 4185 | 3574 | 3492 |
| 30° | 4075 | 3399 | 3327 |
| 35° | 3962 | 3218 | 3206 |
| 40° | 3841 | 3055 | 3095 |
| 45° | 3709 | 2910 | 2997 |
| 50° | 3572 | 2782 | 2921 |
| 55° | 3414 | 2664 | 2854 |
| 60° | 3234 | 2568 | 2805 |
| 65° | 3015 | 2484 | 2777 |
| 70° | 2741 | 2436 | 2768 |
| 75° | 2368 | 2403 | 2780 |
| 80° | 1919 | 2413 | 2824 |
| 85° | 1339 | 2490 | 2916 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3709 cd/sqm



TEST NUMBER: P895161
 CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 117.8 | 2.2 |
| 10°-20° | 336.0 | 6.4 |
| 20°-30° | 504.5 | 9.6 |
| 30°-40° | 606.7 | 11.6 |
| 40°-50° | 642.8 | 12.3 |
| 50°-60° | 619.0 | 11.8 |
| 60°-70° | 547.8 | 10.5 |
| 70°-80° | 449.3 | 8.6 |
| 80°-90° | 348.7 | 6.7 |
| 90°-100° | 270.6 | 5.2 |
| 100°-110° | 214.4 | 4.1 |
| 110°-120° | 170.8 | 3.3 |
| 120°-130° | 135.7 | 2.6 |
| 130°-140° | 106.0 | 2.0 |
| 140°-150° | 78.0 | 1.5 |
| 150°-160° | 51.6 | 1.0 |
| 160°-170° | 29.7 | 0.6 |
| 170°-180° | 9.5 | 0.2 |
| 0°-30° | 958.4 | 18.3 |
| 0°-40° | 1565.1 | 29.9 |
| 0°-60° | 2826.8 | 54.0 |
| 0°-90° | 4172.7 | 79.6 |
| 90°-120° | 655.9 | 12.5 |
| 90°-150° | 975.5 | 18.6 |
| 90°-180° | 1066.0 | 20.3 |
| 0°-180° | 5239.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1246 | 1246 | 1246 | 1246 | 1246 | |
| 5° | 1244 | 1246 | 1232 | 1242 | 1248 | 118 |
| 15° | 1189 | 1190 | 1183 | 1200 | 1206 | 335 |
| 25° | 1082 | 1086 | 1086 | 1113 | 1120 | 498 |
| 35° | 932 | 943 | 954 | 1004 | 1024 | 582 |
| 45° | 758 | 776 | 815 | 892 | 924 | 585 |
| 55° | 572 | 601 | 680 | 781 | 822 | 512 |
| 65° | 379 | 431 | 554 | 670 | 719 | 375 |
| 75° | 190 | 284 | 441 | 565 | 618 | 203 |
| 85° | 43 | 172 | 345 | 470 | 520 | 49 |
| 90° | 1 | 135 | 305 | 427 | 475 | 3 |
| 95° | 6 | 111 | 269 | 385 | 433 | 6 |
| 105° | 21 | 90 | 212 | 315 | 357 | 23 |
| 115° | 43 | 86 | 177 | 257 | 292 | 42 |
| 125° | 62 | 90 | 154 | 212 | 238 | 55 |
| 135° | 78 | 96 | 139 | 178 | 194 | 60 |
| 145° | 83 | 95 | 126 | 153 | 162 | 52 |
| 155° | 84 | 98 | 108 | 130 | 138 | 40 |
| 165° | 100 | 106 | 102 | 102 | 115 | 28 |
| 175° | 110 | 109 | 104 | 86 | 58 | 10 |
| 180° | 96 | 96 | 96 | 96 | 96 | |



TEST NUMBER: P895161
 CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 |
| 2.5° | 1248.0 | 1246.8 | 1249.1 | 1251.5 | 1258.6 | 1249.1 | 1253.9 | 1240.8 | 1242.0 | 1243.2 | 1237.3 |
| 5° | 1244.4 | 1240.8 | 1244.4 | 1246.8 | 1252.7 | 1245.6 | 1250.3 | 1236.1 | 1237.3 | 1239.7 | 1232.5 |
| 7.5° | 1236.1 | 1232.5 | 1234.9 | 1237.3 | 1243.2 | 1236.1 | 1242.0 | 1227.8 | 1230.2 | 1231.4 | 1225.4 |
| 10° | 1224.2 | 1219.5 | 1221.9 | 1225.4 | 1230.2 | 1224.2 | 1229.0 | 1216.0 | 1217.1 | 1219.5 | 1213.6 |
| 12.5° | 1208.8 | 1204.1 | 1206.5 | 1208.8 | 1214.8 | 1208.8 | 1213.6 | 1200.5 | 1202.9 | 1205.3 | 1199.4 |
| 15° | 1188.7 | 1184.0 | 1186.3 | 1188.7 | 1193.4 | 1189.9 | 1194.6 | 1181.6 | 1184.0 | 1188.7 | 1182.8 |
| 17.5° | 1167.4 | 1160.3 | 1162.6 | 1166.2 | 1170.9 | 1168.5 | 1172.1 | 1161.4 | 1162.6 | 1167.4 | 1161.4 |
| 20° | 1141.3 | 1134.2 | 1136.5 | 1140.1 | 1144.8 | 1143.7 | 1146.0 | 1136.5 | 1138.9 | 1144.8 | 1138.9 |
| 22.5° | 1112.8 | 1105.7 | 1108.1 | 1112.8 | 1116.4 | 1116.4 | 1117.6 | 1110.5 | 1112.8 | 1118.8 | 1114.0 |
| 25° | 1082.0 | 1074.9 | 1077.3 | 1082.0 | 1085.6 | 1085.6 | 1088.0 | 1080.8 | 1084.4 | 1090.3 | 1085.6 |
| 27.5° | 1046.5 | 1042.9 | 1042.9 | 1047.7 | 1050.0 | 1052.4 | 1053.6 | 1047.7 | 1052.4 | 1058.3 | 1054.8 |
| 30° | 1009.7 | 1005.0 | 1007.4 | 1013.3 | 1013.3 | 1018.0 | 1018.0 | 1013.3 | 1019.2 | 1026.3 | 1024.0 |
| 32.5° | 970.6 | 967.1 | 968.3 | 975.4 | 975.4 | 981.3 | 980.1 | 977.7 | 983.7 | 992.0 | 989.6 |
| 35° | 931.5 | 928.0 | 929.1 | 936.3 | 936.3 | 943.4 | 941.0 | 941.0 | 946.9 | 956.4 | 954.0 |
| 37.5° | 890.0 | 887.7 | 888.9 | 896.0 | 896.0 | 903.1 | 900.7 | 901.9 | 909.0 | 919.7 | 918.5 |
| 40° | 847.4 | 845.0 | 847.4 | 853.3 | 855.7 | 861.6 | 859.2 | 861.6 | 871.1 | 880.6 | 884.1 |
| 42.5° | 803.5 | 802.3 | 804.7 | 810.6 | 813.0 | 818.9 | 817.7 | 821.3 | 830.8 | 845.0 | 849.7 |
| 45° | 758.5 | 758.5 | 760.9 | 766.8 | 769.2 | 776.3 | 775.1 | 779.8 | 791.7 | 807.1 | 815.4 |
| 47.5° | 713.5 | 714.6 | 715.8 | 722.9 | 722.9 | 734.8 | 731.2 | 738.3 | 753.7 | 771.5 | 781.0 |
| 50° | 667.2 | 669.6 | 670.8 | 676.7 | 679.1 | 689.8 | 687.4 | 699.2 | 715.8 | 734.8 | 747.8 |
| 52.5° | 621.0 | 623.4 | 625.8 | 630.5 | 632.9 | 645.9 | 643.5 | 658.9 | 679.1 | 699.2 | 713.5 |
| 55° | 572.4 | 577.2 | 578.3 | 584.3 | 587.8 | 600.9 | 600.9 | 618.6 | 640.0 | 662.5 | 680.3 |
| 57.5° | 525.0 | 529.8 | 530.9 | 538.1 | 542.8 | 558.2 | 560.6 | 580.7 | 604.4 | 626.9 | 648.3 |
| 60° | 476.4 | 482.4 | 483.5 | 490.6 | 498.9 | 515.5 | 519.1 | 541.6 | 567.7 | 591.4 | 616.3 |
| 62.5° | 427.8 | 433.8 | 436.1 | 443.2 | 456.3 | 472.9 | 478.8 | 504.9 | 532.1 | 558.2 | 585.5 |
| 65° | 379.2 | 385.2 | 388.7 | 398.2 | 413.6 | 431.4 | 439.7 | 466.9 | 497.8 | 525.0 | 553.5 |
| 67.5° | 330.7 | 337.8 | 342.5 | 354.4 | 374.5 | 393.5 | 401.8 | 432.6 | 464.6 | 494.2 | 523.8 |
| 70° | 283.2 | 290.4 | 296.3 | 311.7 | 335.4 | 354.4 | 365.0 | 398.2 | 431.4 | 463.4 | 496.6 |
| 72.5° | 237.0 | 244.1 | 252.4 | 271.4 | 297.5 | 318.8 | 330.7 | 365.0 | 401.8 | 433.8 | 468.1 |
| 75° | 189.6 | 197.9 | 207.4 | 233.5 | 263.1 | 284.4 | 297.5 | 334.2 | 372.1 | 404.1 | 440.9 |
| 77.5° | 147.0 | 155.3 | 169.5 | 195.5 | 228.7 | 252.4 | 266.7 | 305.8 | 344.9 | 376.9 | 414.8 |
| 80° | 107.8 | 116.1 | 135.1 | 163.5 | 197.9 | 220.4 | 238.2 | 278.5 | 318.8 | 352.0 | 389.9 |
| 82.5° | 73.5 | 81.8 | 104.3 | 135.1 | 171.8 | 194.4 | 211.0 | 253.6 | 293.9 | 328.3 | 366.2 |
| 85° | 42.7 | 54.5 | 78.2 | 111.4 | 149.3 | 171.8 | 188.4 | 232.3 | 271.4 | 305.8 | 344.9 |
| 87.5° | 19.0 | 33.2 | 59.3 | 92.4 | 130.4 | 151.7 | 169.5 | 209.8 | 251.2 | 285.6 | 324.7 |
| 90° | 1.2 | 19.0 | 46.2 | 78.2 | 115.0 | 135.1 | 151.7 | 192.0 | 231.1 | 266.7 | 304.6 |
| 92.5° | 2.4 | 13.0 | 37.9 | 67.6 | 101.9 | 122.1 | 138.7 | 176.6 | 213.3 | 250.1 | 286.8 |
| 95° | 5.9 | 13.0 | 33.2 | 60.4 | 92.4 | 111.4 | 126.8 | 163.5 | 197.9 | 233.5 | 269.0 |
| 97.5° | 9.5 | 14.2 | 32.0 | 56.9 | 85.3 | 103.1 | 117.3 | 151.7 | 186.1 | 218.1 | 253.6 |
| 100° | 13.0 | 17.8 | 32.0 | 54.5 | 80.6 | 97.2 | 110.2 | 142.2 | 174.2 | 203.8 | 239.4 |
| 102.5° | 16.6 | 21.3 | 34.4 | 54.5 | 78.2 | 92.4 | 105.5 | 135.1 | 164.7 | 192.0 | 225.2 |
| 105° | 21.3 | 24.9 | 36.7 | 54.5 | 75.8 | 90.1 | 100.7 | 128.0 | 156.4 | 182.5 | 212.1 |
| 107.5° | 26.1 | 28.4 | 39.1 | 55.7 | 75.8 | 87.7 | 98.4 | 123.3 | 149.3 | 173.0 | 201.5 |
| 110° | 32.0 | 33.2 | 42.7 | 58.1 | 75.8 | 86.5 | 96.0 | 119.7 | 143.4 | 165.9 | 192.0 |



TEST NUMBER: P895161
 CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 36.7 | 36.7 | 46.2 | 60.4 | 75.8 | 86.5 | 94.8 | 116.1 | 138.7 | 158.8 | 183.7 |
| 115° | 42.7 | 42.7 | 49.8 | 62.8 | 77.0 | 86.5 | 94.8 | 115.0 | 135.1 | 152.9 | 176.6 |
| 117.5° | 47.4 | 47.4 | 54.5 | 65.2 | 79.4 | 87.7 | 94.8 | 112.6 | 131.6 | 148.1 | 169.5 |
| 120° | 52.1 | 52.1 | 56.9 | 67.6 | 80.6 | 88.9 | 94.8 | 111.4 | 128.0 | 144.6 | 163.5 |
| 122.5° | 56.9 | 56.9 | 60.4 | 71.1 | 81.8 | 88.9 | 94.8 | 110.2 | 125.6 | 139.8 | 157.6 |
| 125° | 61.6 | 61.6 | 64.0 | 73.5 | 84.1 | 90.1 | 96.0 | 110.2 | 124.4 | 136.3 | 154.1 |
| 127.5° | 66.4 | 65.2 | 68.7 | 77.0 | 85.3 | 91.3 | 97.2 | 110.2 | 122.1 | 133.9 | 149.3 |
| 130° | 69.9 | 68.7 | 73.5 | 79.4 | 87.7 | 92.4 | 97.2 | 109.0 | 120.9 | 131.6 | 144.6 |
| 132.5° | 74.7 | 72.3 | 78.2 | 80.6 | 90.1 | 94.8 | 98.4 | 109.0 | 119.7 | 129.2 | 142.2 |
| 135° | 78.2 | 75.8 | 81.8 | 84.1 | 91.3 | 96.0 | 99.6 | 109.0 | 118.5 | 128.0 | 138.7 |
| 137.5° | 80.6 | 79.4 | 85.3 | 87.7 | 92.4 | 97.2 | 100.7 | 109.0 | 117.3 | 125.6 | 136.3 |
| 140° | 81.8 | 80.6 | 85.3 | 90.1 | 92.4 | 97.2 | 99.6 | 107.8 | 116.1 | 123.3 | 132.7 |
| 142.5° | 83.0 | 83.0 | 86.5 | 91.3 | 92.4 | 96.0 | 99.6 | 106.7 | 113.8 | 119.7 | 130.4 |
| 145° | 83.0 | 83.0 | 86.5 | 92.4 | 93.6 | 94.8 | 97.2 | 104.3 | 110.2 | 116.1 | 125.6 |
| 147.5° | 83.0 | 83.0 | 87.7 | 92.4 | 94.8 | 96.0 | 94.8 | 101.9 | 107.8 | 112.6 | 120.9 |
| 150° | 83.0 | 83.0 | 87.7 | 92.4 | 96.0 | 97.2 | 96.0 | 99.6 | 104.3 | 109.0 | 116.1 |
| 152.5° | 84.1 | 84.1 | 87.7 | 92.4 | 96.0 | 97.2 | 97.2 | 97.2 | 100.7 | 105.5 | 112.6 |
| 155° | 84.1 | 85.3 | 87.7 | 94.8 | 97.2 | 98.4 | 98.4 | 98.4 | 97.2 | 101.9 | 107.8 |
| 157.5° | 87.7 | 88.9 | 90.1 | 96.0 | 98.4 | 99.6 | 99.6 | 99.6 | 98.4 | 97.2 | 103.1 |
| 160° | 91.3 | 92.4 | 93.6 | 98.4 | 100.7 | 101.9 | 101.9 | 101.9 | 99.6 | 98.4 | 98.4 |
| 162.5° | 94.8 | 97.2 | 97.2 | 99.6 | 101.9 | 103.1 | 103.1 | 104.3 | 101.9 | 100.7 | 99.6 |
| 165° | 99.6 | 100.7 | 100.7 | 101.9 | 104.3 | 105.5 | 104.3 | 105.5 | 104.3 | 103.1 | 101.9 |
| 167.5° | 103.1 | 104.3 | 104.3 | 105.5 | 105.5 | 106.7 | 106.7 | 106.7 | 105.5 | 104.3 | 104.3 |
| 170° | 106.7 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 106.7 | 104.3 | 104.3 |
| 172.5° | 109.0 | 110.2 | 110.2 | 109.0 | 109.0 | 109.0 | 109.0 | 107.8 | 105.5 | 104.3 | 104.3 |
| 175° | 110.2 | 111.4 | 111.4 | 110.2 | 109.0 | 109.0 | 109.0 | 107.8 | 105.5 | 104.3 | 104.3 |
| 177.5° | 111.4 | 112.6 | 111.4 | 111.4 | 109.0 | 109.0 | 109.0 | 109.0 | 106.7 | 105.5 | 104.3 |
| 180° | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |



TEST NUMBER: P895161
 CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1245.6 |
| 2.5° | 1244.4 | 1230.2 | 1239.7 | 1240.8 | 1245.6 | 1240.8 | 1244.4 | 1240.8 | 1250.3 | 1246.8 |
| 5° | 1239.7 | 1226.6 | 1234.9 | 1236.1 | 1242.0 | 1236.1 | 1242.0 | 1239.7 | 1251.5 | 1248.0 |
| 7.5° | 1231.4 | 1220.7 | 1227.8 | 1229.0 | 1236.1 | 1230.2 | 1236.1 | 1233.7 | 1248.0 | 1243.2 |
| 10° | 1219.5 | 1211.2 | 1218.3 | 1219.5 | 1226.6 | 1220.7 | 1225.4 | 1223.1 | 1238.5 | 1231.4 |
| 12.5° | 1206.5 | 1199.4 | 1205.3 | 1206.5 | 1214.8 | 1208.8 | 1214.8 | 1212.4 | 1227.8 | 1220.7 |
| 15° | 1187.5 | 1184.0 | 1189.9 | 1192.2 | 1200.5 | 1195.8 | 1201.7 | 1199.4 | 1216.0 | 1206.5 |
| 17.5° | 1168.5 | 1166.2 | 1172.1 | 1174.5 | 1184.0 | 1178.0 | 1184.0 | 1181.6 | 1198.2 | 1188.7 |
| 20° | 1144.8 | 1143.7 | 1149.6 | 1153.1 | 1161.4 | 1155.5 | 1162.6 | 1160.3 | 1178.0 | 1168.5 |
| 22.5° | 1120.0 | 1120.0 | 1124.7 | 1128.3 | 1136.5 | 1131.8 | 1138.9 | 1137.7 | 1155.5 | 1146.0 |
| 25° | 1092.7 | 1093.9 | 1098.6 | 1103.4 | 1112.8 | 1109.3 | 1115.2 | 1115.2 | 1131.8 | 1120.0 |
| 27.5° | 1061.9 | 1067.8 | 1071.4 | 1077.3 | 1085.6 | 1082.0 | 1088.0 | 1089.1 | 1105.7 | 1093.9 |
| 30° | 1029.9 | 1038.2 | 1041.7 | 1048.8 | 1056.0 | 1056.0 | 1061.9 | 1064.3 | 1080.8 | 1069.0 |
| 32.5° | 996.7 | 1006.2 | 1010.9 | 1020.4 | 1029.9 | 1029.9 | 1038.2 | 1041.7 | 1058.3 | 1047.7 |
| 35° | 963.5 | 976.6 | 982.5 | 994.3 | 1003.8 | 1005.0 | 1013.3 | 1018.0 | 1034.6 | 1024.0 |
| 37.5° | 931.5 | 948.1 | 954.0 | 968.3 | 976.6 | 978.9 | 988.4 | 994.3 | 1009.7 | 1000.3 |
| 40° | 898.3 | 918.5 | 925.6 | 941.0 | 948.1 | 952.9 | 962.3 | 969.4 | 983.7 | 975.4 |
| 42.5° | 866.3 | 888.9 | 896.0 | 912.6 | 920.9 | 925.6 | 935.1 | 944.6 | 958.8 | 950.5 |
| 45° | 834.3 | 859.2 | 867.5 | 885.3 | 892.4 | 899.5 | 910.2 | 918.5 | 931.5 | 924.4 |
| 47.5° | 803.5 | 829.6 | 837.9 | 856.9 | 865.2 | 873.4 | 882.9 | 894.8 | 906.6 | 899.5 |
| 50° | 771.5 | 798.8 | 809.4 | 829.6 | 836.7 | 846.2 | 858.0 | 868.7 | 880.6 | 874.6 |
| 52.5° | 740.7 | 769.2 | 779.8 | 801.2 | 809.4 | 818.9 | 830.8 | 842.6 | 853.3 | 848.6 |
| 55° | 707.5 | 738.3 | 750.2 | 772.7 | 781.0 | 790.5 | 803.5 | 816.6 | 826.0 | 822.5 |
| 57.5° | 676.7 | 708.7 | 720.6 | 745.5 | 752.6 | 764.4 | 777.5 | 791.7 | 800.0 | 796.4 |
| 60° | 645.9 | 677.9 | 692.1 | 717.0 | 725.3 | 737.2 | 750.2 | 765.6 | 772.7 | 770.3 |
| 62.5° | 615.1 | 648.3 | 663.7 | 689.8 | 696.9 | 709.9 | 725.3 | 738.3 | 745.5 | 744.3 |
| 65° | 586.6 | 618.6 | 636.4 | 662.5 | 669.6 | 683.8 | 698.0 | 712.3 | 719.4 | 719.4 |
| 67.5° | 557.0 | 591.4 | 609.2 | 636.4 | 642.3 | 657.8 | 673.2 | 687.4 | 693.3 | 693.3 |
| 70° | 529.8 | 562.9 | 583.1 | 610.3 | 616.3 | 630.5 | 647.1 | 662.5 | 667.2 | 668.4 |
| 72.5° | 502.5 | 535.7 | 557.0 | 585.5 | 591.4 | 605.6 | 621.0 | 637.6 | 641.2 | 642.3 |
| 75° | 476.4 | 509.6 | 530.9 | 559.4 | 565.3 | 579.5 | 596.1 | 611.5 | 616.3 | 617.5 |
| 77.5° | 450.4 | 483.5 | 507.2 | 534.5 | 540.4 | 554.6 | 571.2 | 586.6 | 590.2 | 592.6 |
| 80° | 426.6 | 458.6 | 481.2 | 510.8 | 516.7 | 530.9 | 546.3 | 561.8 | 564.1 | 567.7 |
| 82.5° | 402.9 | 434.9 | 458.6 | 487.1 | 493.0 | 507.2 | 522.6 | 538.1 | 540.4 | 545.2 |
| 85° | 380.4 | 412.4 | 436.1 | 463.4 | 470.5 | 483.5 | 500.1 | 514.4 | 516.7 | 520.3 |
| 87.5° | 360.3 | 389.9 | 414.8 | 440.9 | 448.0 | 461.0 | 477.6 | 491.8 | 493.0 | 497.8 |
| 90° | 338.9 | 368.6 | 393.5 | 419.5 | 426.6 | 438.5 | 455.1 | 469.3 | 471.7 | 475.2 |
| 92.5° | 321.2 | 348.4 | 374.5 | 399.4 | 405.3 | 418.4 | 433.8 | 448.0 | 450.4 | 453.9 |
| 95° | 302.2 | 329.5 | 355.5 | 379.2 | 385.2 | 398.2 | 412.4 | 426.6 | 429.0 | 432.6 |
| 97.5° | 285.6 | 311.7 | 336.6 | 360.3 | 366.2 | 378.1 | 393.5 | 406.5 | 408.9 | 413.6 |
| 100° | 270.2 | 295.1 | 321.2 | 342.5 | 348.4 | 360.3 | 374.5 | 387.5 | 389.9 | 394.7 |
| 102.5° | 256.0 | 279.7 | 304.6 | 324.7 | 331.8 | 342.5 | 356.7 | 368.6 | 370.9 | 374.5 |
| 105° | 243.0 | 265.5 | 289.2 | 308.1 | 315.2 | 325.9 | 338.9 | 350.8 | 353.2 | 356.7 |
| 107.5° | 229.9 | 251.2 | 273.8 | 292.7 | 298.7 | 308.1 | 321.2 | 333.0 | 335.4 | 340.1 |
| 110° | 218.1 | 239.4 | 260.7 | 278.5 | 285.6 | 292.7 | 305.8 | 316.4 | 318.8 | 322.4 |



TEST NUMBER: P895161
 CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 207.4 | 226.4 | 247.7 | 264.3 | 270.2 | 278.5 | 289.2 | 299.8 | 302.2 | 307.0 |
| 115° | 197.9 | 215.7 | 237.0 | 252.4 | 257.2 | 264.3 | 276.1 | 285.6 | 288.0 | 291.5 |
| 117.5° | 189.6 | 205.0 | 224.0 | 239.4 | 245.3 | 251.2 | 261.9 | 270.2 | 273.8 | 276.1 |
| 120° | 182.5 | 196.7 | 213.3 | 227.5 | 234.7 | 239.4 | 248.9 | 257.2 | 260.7 | 263.1 |
| 122.5° | 175.4 | 188.4 | 203.8 | 216.9 | 222.8 | 226.4 | 237.0 | 244.1 | 247.7 | 251.2 |
| 125° | 169.5 | 181.3 | 195.5 | 206.2 | 212.1 | 215.7 | 225.2 | 232.3 | 235.8 | 238.2 |
| 127.5° | 163.5 | 174.2 | 188.4 | 196.7 | 202.7 | 205.0 | 213.3 | 220.4 | 224.0 | 225.2 |
| 130° | 157.6 | 168.3 | 180.1 | 188.4 | 193.2 | 196.7 | 203.8 | 208.6 | 212.1 | 213.3 |
| 132.5° | 152.9 | 162.4 | 173.0 | 181.3 | 186.1 | 187.3 | 194.4 | 199.1 | 202.7 | 203.8 |
| 135° | 149.3 | 156.4 | 167.1 | 174.2 | 177.8 | 180.1 | 186.1 | 189.6 | 193.2 | 194.4 |
| 137.5° | 144.6 | 151.7 | 161.2 | 165.9 | 170.7 | 171.8 | 177.8 | 181.3 | 184.9 | 186.1 |
| 140° | 141.0 | 147.0 | 155.3 | 160.0 | 164.7 | 164.7 | 169.5 | 173.0 | 176.6 | 176.6 |
| 142.5° | 137.5 | 143.4 | 150.5 | 155.3 | 158.8 | 158.8 | 163.5 | 165.9 | 169.5 | 169.5 |
| 145° | 132.7 | 138.7 | 145.8 | 149.3 | 152.9 | 152.9 | 156.4 | 158.8 | 162.4 | 162.4 |
| 147.5° | 128.0 | 133.9 | 141.0 | 143.4 | 147.0 | 147.0 | 150.5 | 152.9 | 155.3 | 155.3 |
| 150° | 122.1 | 126.8 | 135.1 | 138.7 | 142.2 | 142.2 | 144.6 | 147.0 | 149.3 | 149.3 |
| 152.5° | 117.3 | 120.9 | 128.0 | 132.7 | 136.3 | 136.3 | 138.7 | 141.0 | 143.4 | 143.4 |
| 155° | 111.4 | 115.0 | 120.9 | 126.8 | 130.4 | 131.6 | 133.9 | 135.1 | 137.5 | 137.5 |
| 157.5° | 106.7 | 110.2 | 115.0 | 119.7 | 123.3 | 125.6 | 129.2 | 130.4 | 131.6 | 131.6 |
| 160° | 100.7 | 103.1 | 107.8 | 112.6 | 116.1 | 118.5 | 124.4 | 125.6 | 126.8 | 126.8 |
| 162.5° | 98.4 | 98.4 | 100.7 | 104.3 | 107.8 | 109.0 | 115.0 | 119.7 | 122.1 | 120.9 |
| 165° | 99.6 | 98.4 | 98.4 | 99.6 | 101.9 | 103.1 | 106.7 | 113.8 | 116.1 | 115.0 |
| 167.5° | 101.9 | 99.6 | 98.4 | 98.4 | 100.7 | 100.7 | 104.3 | 110.2 | 117.3 | 115.0 |
| 170° | 101.9 | 98.4 | 96.0 | 96.0 | 97.2 | 97.2 | 99.6 | 103.1 | 110.2 | 111.4 |
| 172.5° | 100.7 | 98.4 | 94.8 | 90.1 | 91.3 | 90.1 | 88.9 | 91.3 | 92.4 | 104.3 |
| 175° | 101.9 | 98.4 | 94.8 | 88.9 | 86.5 | 83.0 | 77.0 | 72.3 | 71.1 | 58.1 |
| 177.5° | 100.7 | 97.2 | 92.4 | 87.7 | 85.3 | 80.6 | 73.5 | 65.2 | 60.4 | 53.3 |
| 180° | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |



TEST NUMBER: P895161
 CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L930

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 12.12 | 13.43 | 12.76 | 14.09 | 14.86 | 15.74 | 17.05 | 16.38 | 17.72 | 18.49 |
| | 3H | 13.47 | 14.66 | 14.12 | 15.34 | 16.14 | 18.70 | 19.89 | 19.35 | 20.57 | 21.37 |
| | 4H | 13.87 | 15.01 | 14.54 | 15.69 | 16.51 | 20.20 | 21.34 | 20.88 | 22.03 | 22.84 |
| | 6H | 14.08 | 15.15 | 14.77 | 15.84 | 16.67 | 21.81 | 22.88 | 22.50 | 23.57 | 24.40 |
| | 8H | 14.12 | 15.14 | 14.81 | 15.85 | 16.69 | 22.66 | 23.68 | 23.36 | 24.40 | 25.23 |
| | 12H | 14.12 | 15.10 | 14.83 | 15.81 | 16.67 | 23.61 | 24.59 | 24.31 | 25.30 | 26.16 |
| 4H | 2H | 13.28 | 14.42 | 13.95 | 15.10 | 15.92 | 16.06 | 17.20 | 16.73 | 17.88 | 18.70 |
| | 3H | 14.92 | 15.89 | 15.60 | 16.62 | 17.45 | 19.24 | 20.22 | 19.93 | 20.94 | 21.77 |
| | 4H | 15.48 | 16.39 | 16.19 | 17.11 | 17.97 | 20.92 | 21.82 | 21.63 | 22.55 | 23.41 |
| | 6H | 15.83 | 16.62 | 16.55 | 17.37 | 18.24 | 22.74 | 23.54 | 23.46 | 24.29 | 25.16 |
| | 8H | 15.90 | 16.65 | 16.62 | 17.40 | 18.28 | 23.72 | 24.47 | 24.44 | 25.21 | 26.10 |
| | 12H | 15.92 | 16.61 | 16.67 | 17.38 | 18.27 | 24.80 | 25.49 | 25.55 | 26.26 | 27.14 |
| 8H | 4H | 16.59 | 17.34 | 17.32 | 18.09 | 18.97 | 21.09 | 21.84 | 21.82 | 22.59 | 23.47 |
| | 6H | 17.20 | 17.84 | 17.95 | 18.63 | 19.51 | 23.09 | 23.73 | 23.84 | 24.51 | 25.40 |
| | 8H | 17.40 | 17.97 | 18.16 | 18.76 | 19.66 | 24.21 | 24.78 | 24.97 | 25.57 | 26.47 |
| | 12H | 17.51 | 18.03 | 18.28 | 18.80 | 19.76 | 25.48 | 26.00 | 26.25 | 26.78 | 27.74 |
| 12H | 4H | 16.96 | 17.64 | 17.70 | 18.41 | 19.30 | 21.08 | 21.77 | 21.83 | 22.54 | 23.43 |
| | 6H | 17.74 | 18.31 | 18.50 | 19.10 | 20.00 | 23.12 | 23.70 | 23.88 | 24.48 | 25.38 |
| | 8H | 18.06 | 18.58 | 18.83 | 19.36 | 20.32 | 24.30 | 24.81 | 25.07 | 25.59 | 26.55 |