

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: P892720

Luminaire Tested: 2MB-4HL-ASMF-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-185-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-4HL-ASMF-UNV-L850
Description: 4000 Lumen 2FT MICROBAY LINEAR BAY with FROSTED ASYMMETRIC LENS, 80CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

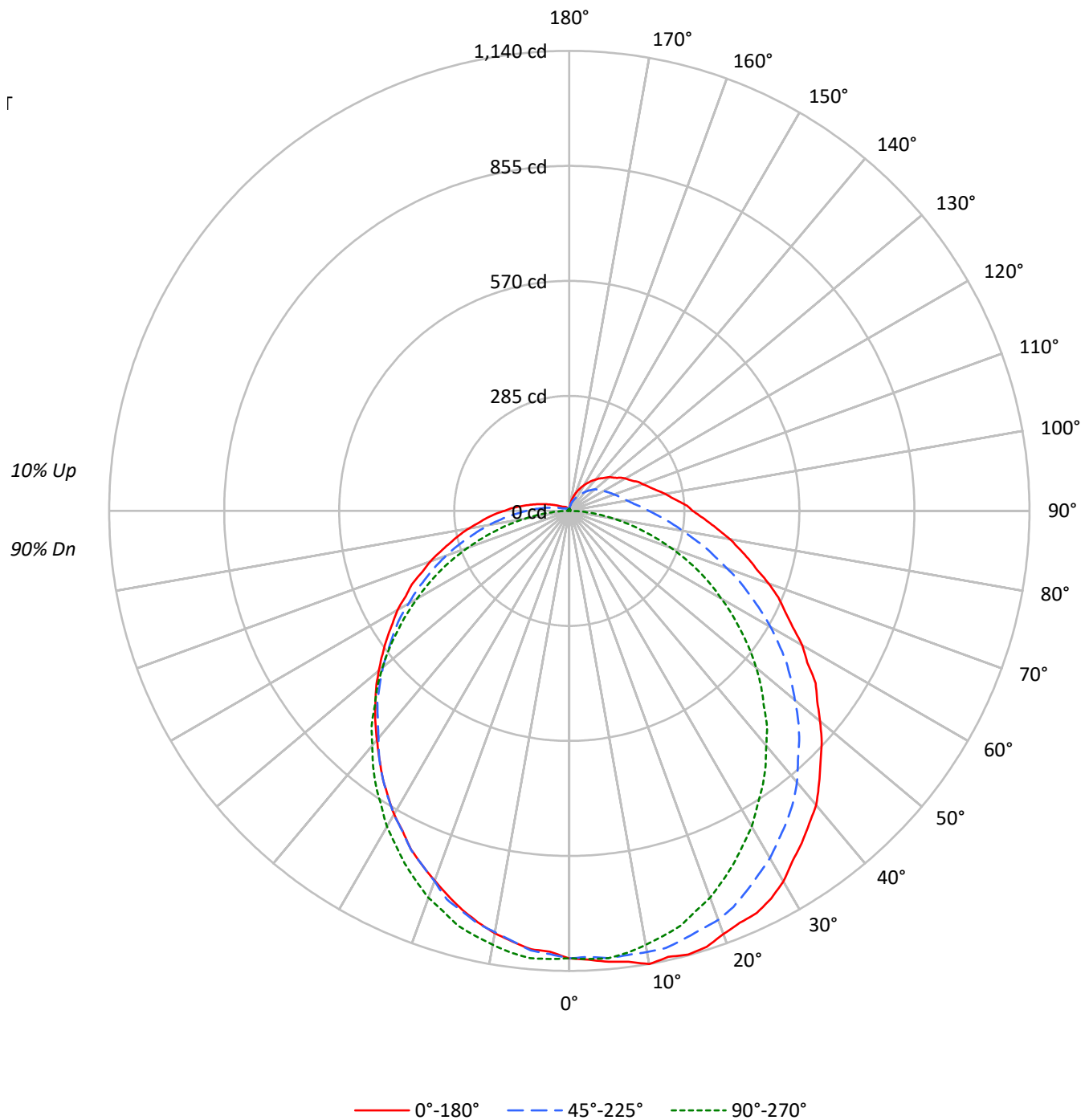
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.21 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.27' x L: 1.98' x H: 0.12')
CIE Type: Direct

Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 6.5
Total Harmonic Distortion (THDi): 0.99
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P892720
CATALOG NUMBER: 2MB-4HL-ASMF-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P892720

CATALOG NUMBER: 2MB-4HL-ASMF-UNV-L850

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 | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 106 | 106 | 106 | 99 | 99 | 99 | 93 | 93 | 93 | 93 | 93 | 93 | 90 |
| 1 | 105 | 99 | 95 | 90 | 101 | 96 | 92 | 88 | 90 | 87 | 83 | 85 | 82 | 79 | 79 | 77 | 75 | 75 | 75 | 75 | 72 |
| 2 | 95 | 86 | 79 | 72 | 91 | 83 | 76 | 71 | 78 | 72 | 68 | 73 | 69 | 65 | 69 | 65 | 62 | 62 | 62 | 62 | 59 |
| 3 | 86 | 75 | 66 | 60 | 83 | 73 | 65 | 58 | 68 | 62 | 56 | 64 | 59 | 54 | 60 | 56 | 52 | 52 | 52 | 52 | 49 |
| 4 | 79 | 66 | 57 | 50 | 76 | 64 | 56 | 49 | 61 | 53 | 48 | 57 | 51 | 46 | 54 | 49 | 44 | 44 | 44 | 44 | 42 |
| 5 | 72 | 59 | 50 | 43 | 69 | 57 | 49 | 42 | 54 | 47 | 41 | 51 | 45 | 40 | 48 | 43 | 38 | 38 | 38 | 38 | 36 |
| 6 | 67 | 53 | 44 | 37 | 64 | 52 | 43 | 37 | 49 | 41 | 36 | 46 | 40 | 35 | 44 | 38 | 34 | 34 | 34 | 34 | 31 |
| 7 | 62 | 48 | 39 | 33 | 59 | 47 | 38 | 32 | 44 | 37 | 32 | 42 | 36 | 31 | 40 | 34 | 30 | 30 | 30 | 30 | 28 |
| 8 | 57 | 44 | 35 | 29 | 55 | 43 | 35 | 29 | 41 | 33 | 28 | 39 | 32 | 27 | 37 | 31 | 27 | 27 | 27 | 27 | 25 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 37 | 30 | 25 | 36 | 29 | 25 | 34 | 28 | 24 | 24 | 24 | 24 | 22 |
| 10 | 50 | 37 | 29 | 24 | 49 | 36 | 29 | 23 | 34 | 28 | 23 | 33 | 27 | 22 | 31 | 26 | 22 | 22 | 22 | 22 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 22702 | 22702 | 22702 | 22702 | 22702 |
| 5° | 22925 | 22138 | 21965 | 21752 | 22292 |
| 10° | 23448 | 21637 | 20968 | 20665 | 21853 |
| 15° | 23725 | 21142 | 20037 | 19766 | 21334 |
| 20° | 23772 | 20669 | 18976 | 18705 | 20771 |
| 25° | 24126 | 19971 | 17862 | 17819 | 20332 |
| 30° | 24192 | 19297 | 16800 | 16865 | 19806 |
| 35° | 24046 | 18568 | 15686 | 15948 | 19309 |
| 40° | 24164 | 17816 | 14543 | 14923 | 18815 |
| 45° | 23977 | 16934 | 13416 | 14138 | 18497 |
| 50° | 24026 | 16031 | 12334 | 13241 | 18246 |
| 55° | 24399 | 15238 | 11089 | 12345 | 18063 |
| 60° | 24600 | 14264 | 9819 | 11394 | 18151 |
| 65° | 25172 | 13212 | 8529 | 10451 | 18357 |
| 70° | 26809 | 12203 | 6992 | 9549 | 18692 |
| 75° | 29425 | 11454 | 5348 | 8504 | 19521 |
| 80° | 35084 | 10720 | 3580 | 7577 | 21991 |
| 85° | 47726 | 10492 | 1797 | 6619 | 28065 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 99038 cd/sqm



TEST NUMBER: P892720
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 105.2 | 2.8 |
| 10°-20° | 301.5 | 7.9 |
| 20°-30° | 454.7 | 11.9 |
| 30°-40° | 545.7 | 14.3 |
| 40°-50° | 568.2 | 14.9 |
| 50°-60° | 526.7 | 13.8 |
| 60°-70° | 433.8 | 11.4 |
| 70°-80° | 312.9 | 8.2 |
| 80°-90° | 198.6 | 5.2 |
| 90°-100° | 122.5 | 3.2 |
| 100°-110° | 81.7 | 2.1 |
| 110°-120° | 58.1 | 1.5 |
| 120°-130° | 42.6 | 1.1 |
| 130°-140° | 29.3 | 0.8 |
| 140°-150° | 17.8 | 0.5 |
| 150°-160° | 8.8 | 0.2 |
| 160°-170° | 3.2 | 0.1 |
| 170°-180° | 0.5 | 0.0 |
| 0°-30° | 861.4 | 22.6 |
| 0°-40° | 1407.1 | 36.9 |
| 0°-60° | 2502.0 | 65.6 |
| 0°-90° | 3447.4 | 90.4 |
| 90°-120° | 262.3 | 6.9 |
| 90°-150° | 352.0 | 9.2 |
| 90°-180° | 365.0 | 9.6 |
| 0°-180° | 3812.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1109 | 1109 | 1109 | 1109 | 1109 | |
| 5° | 1122 | 1113 | 1113 | 1093 | 1090 | 108 |
| 15° | 1138 | 1098 | 1064 | 1027 | 1023 | 321 |
| 25° | 1099 | 1040 | 964 | 928 | 926 | 506 |
| 35° | 1004 | 939 | 834 | 807 | 807 | 629 |
| 45° | 880 | 806 | 681 | 672 | 679 | 681 |
| 55° | 745 | 657 | 519 | 532 | 552 | 662 |
| 65° | 590 | 493 | 354 | 390 | 430 | 587 |
| 75° | 460 | 349 | 186 | 259 | 305 | 487 |
| 85° | 350 | 237 | 49 | 150 | 206 | 297 |
| 90° | 306 | 197 | 4 | 106 | 160 | 169 |
| 95° | 272 | 167 | 3 | 72 | 124 | 216 |
| 105° | 213 | 131 | 3 | 29 | 65 | 228 |
| 115° | 175 | 108 | 3 | 14 | 31 | 175 |
| 125° | 142 | 90 | 4 | 11 | 18 | 130 |
| 135° | 114 | 72 | 4 | 8 | 13 | 90 |
| 145° | 88 | 51 | 4 | 6 | 9 | 55 |
| 155° | 60 | 34 | 4 | 4 | 6 | 28 |
| 165° | 35 | 19 | 4 | 3 | 3 | 10 |
| 175° | 5 | 8 | 5 | 2 | 1 | 1 |
| 180° | 3 | 3 | 3 | 3 | 3 | |



TEST NUMBER: P892720
 CATALOG NUMBER: 2MB-4HL-ASMF-UNV-L850

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1108.7 | 1108.7 | 1108.7 | 1108.7 | 1108.7 | 1108.7 | 1108.7 | 1108.7 | 1108.7 |
| 2.5° | 1113.2 | 1116.5 | 1106.0 | 1112.6 | 1111.5 | 1112.6 | 1099.3 | 1110.4 | 1093.2 |
| 5° | 1121.5 | 1123.2 | 1112.6 | 1116.5 | 1112.6 | 1103.2 | 1093.2 | 1089.3 | 1090.5 |
| 7.5° | 1127.0 | 1135.9 | 1109.9 | 1111.0 | 1104.3 | 1094.3 | 1075.5 | 1078.8 | 1076.6 |
| 10° | 1140.3 | 1130.4 | 1109.9 | 1104.9 | 1092.1 | 1081.6 | 1060.0 | 1061.6 | 1062.7 |
| 12.5° | 1132.0 | 1129.8 | 1109.3 | 1091.0 | 1078.3 | 1069.4 | 1047.2 | 1041.7 | 1044.4 |
| 15° | 1138.1 | 1128.7 | 1098.2 | 1083.8 | 1064.4 | 1048.9 | 1026.7 | 1022.8 | 1023.4 |
| 17.5° | 1132.6 | 1124.8 | 1087.1 | 1067.2 | 1040.0 | 1030.6 | 1009.5 | 1002.9 | 999.5 |
| 20° | 1116.0 | 1112.1 | 1078.8 | 1044.4 | 1020.0 | 1001.8 | 976.3 | 972.4 | 975.1 |
| 22.5° | 1104.9 | 1095.4 | 1062.2 | 1027.8 | 992.3 | 976.3 | 950.8 | 950.2 | 950.8 |
| 25° | 1099.3 | 1087.1 | 1039.5 | 1003.4 | 964.1 | 949.6 | 927.5 | 919.2 | 926.4 |
| 27.5° | 1082.7 | 1071.6 | 1015.6 | 976.3 | 932.5 | 913.1 | 894.8 | 893.1 | 894.2 |
| 30° | 1060.5 | 1038.9 | 994.0 | 945.8 | 903.6 | 883.7 | 868.7 | 857.6 | 868.2 |
| 32.5° | 1028.9 | 1016.7 | 965.7 | 913.1 | 866.5 | 852.6 | 837.7 | 836.6 | 836.6 |
| 35° | 1004.5 | 995.7 | 939.1 | 884.2 | 834.3 | 815.5 | 806.6 | 802.7 | 806.6 |
| 37.5° | 976.3 | 962.9 | 910.8 | 849.3 | 798.3 | 782.2 | 773.4 | 770.0 | 772.8 |
| 40° | 951.9 | 927.5 | 877.6 | 813.3 | 758.9 | 744.5 | 735.1 | 738.4 | 741.2 |
| 42.5° | 915.8 | 902.0 | 838.2 | 776.7 | 725.1 | 709.6 | 701.8 | 704.6 | 711.3 |
| 45° | 880.3 | 867.6 | 805.5 | 738.4 | 681.3 | 673.0 | 672.5 | 670.8 | 679.1 |
| 47.5° | 848.2 | 829.9 | 769.5 | 700.7 | 644.7 | 635.3 | 636.4 | 642.0 | 649.2 |
| 50° | 811.0 | 789.4 | 729.6 | 660.3 | 604.3 | 598.2 | 602.6 | 606.5 | 615.9 |
| 52.5° | 773.9 | 756.7 | 693.0 | 622.0 | 563.2 | 558.8 | 564.9 | 577.7 | 583.2 |
| 55° | 745.1 | 714.0 | 656.9 | 577.1 | 519.4 | 520.0 | 532.2 | 539.4 | 551.6 |
| 57.5° | 699.1 | 675.8 | 615.9 | 537.2 | 478.4 | 482.3 | 498.9 | 511.1 | 518.9 |
| 60° | 666.4 | 637.0 | 576.0 | 494.5 | 435.2 | 441.3 | 460.1 | 478.4 | 491.7 |
| 62.5° | 624.2 | 598.7 | 534.4 | 452.4 | 395.3 | 404.1 | 425.2 | 446.8 | 456.3 |
| 65° | 589.9 | 561.0 | 493.4 | 410.2 | 353.7 | 364.2 | 390.3 | 414.7 | 430.2 |
| 67.5° | 560.5 | 530.5 | 456.8 | 371.4 | 311.6 | 327.1 | 357.6 | 381.4 | 393.6 |
| 70° | 525.5 | 490.6 | 415.2 | 328.2 | 267.8 | 286.1 | 324.9 | 352.6 | 366.4 |
| 72.5° | 488.4 | 460.1 | 379.2 | 288.3 | 227.3 | 249.5 | 292.2 | 321.0 | 334.3 |
| 75° | 459.6 | 428.0 | 348.7 | 248.4 | 186.3 | 212.9 | 258.9 | 291.6 | 304.9 |
| 77.5° | 430.2 | 401.4 | 314.3 | 211.8 | 149.7 | 179.6 | 229.5 | 265.5 | 279.4 |
| 80° | 404.1 | 370.9 | 285.5 | 181.8 | 111.4 | 146.9 | 201.8 | 237.3 | 253.3 |
| 82.5° | 375.3 | 346.5 | 260.6 | 150.2 | 79.3 | 117.0 | 174.6 | 213.4 | 226.7 |
| 85° | 349.8 | 319.9 | 237.3 | 125.3 | 48.8 | 90.4 | 149.7 | 189.6 | 205.7 |
| 87.5° | 326.5 | 301.6 | 215.7 | 106.4 | 24.4 | 68.7 | 125.8 | 166.3 | 184.6 |
| 90° | 305.5 | 277.2 | 197.4 | 89.3 | 4.4 | 49.9 | 106.4 | 146.4 | 160.2 |
| 92.5° | 292.2 | 258.3 | 182.4 | 78.2 | 2.8 | 35.5 | 88.7 | 128.1 | 144.1 |
| 95° | 272.2 | 242.3 | 166.9 | 69.9 | 2.8 | 23.8 | 71.5 | 109.8 | 123.6 |
| 97.5° | 255.0 | 227.3 | 155.8 | 64.9 | 2.2 | 16.1 | 58.8 | 92.0 | 106.4 |
| 100° | 241.7 | 215.7 | 145.8 | 60.4 | 2.8 | 11.6 | 46.6 | 78.2 | 90.9 |
| 102.5° | 226.7 | 202.9 | 138.0 | 57.7 | 2.8 | 8.3 | 36.6 | 66.0 | 77.6 |
| 105° | 213.4 | 192.4 | 130.8 | 54.9 | 2.8 | 7.2 | 29.4 | 54.3 | 64.9 |
| 107.5° | 203.5 | 181.3 | 124.7 | 53.2 | 2.8 | 7.2 | 23.3 | 44.3 | 53.2 |
| 110° | 193.5 | 172.4 | 118.6 | 51.6 | 2.8 | 6.7 | 18.3 | 36.6 | 44.3 |



TEST NUMBER: P892720

CATALOG NUMBER: 2MB-4HL-ASMF-UNV-L850

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|--------|-------|-------|-------|-------|-----|--------|------|--------|------|
| 112.5° | 186.8 | 164.1 | 113.1 | 49.9 | 3.3 | 6.7 | 15.0 | 30.5 | 36.6 |
| 115° | 175.2 | 156.9 | 108.1 | 49.3 | 3.3 | 6.1 | 13.9 | 24.9 | 31.0 |
| 117.5° | 166.9 | 150.2 | 103.1 | 47.7 | 3.3 | 6.1 | 13.3 | 20.5 | 24.9 |
| 120° | 160.8 | 142.5 | 98.7 | 46.0 | 3.3 | 5.5 | 12.2 | 18.3 | 21.1 |
| 122.5° | 153.0 | 135.3 | 94.8 | 44.9 | 3.3 | 5.5 | 11.6 | 17.2 | 18.8 |
| 125° | 142.5 | 128.6 | 90.4 | 42.7 | 3.9 | 5.5 | 11.1 | 16.1 | 17.7 |
| 127.5° | 135.8 | 122.5 | 87.0 | 39.9 | 3.9 | 5.0 | 10.5 | 15.0 | 16.6 |
| 130° | 130.3 | 115.9 | 83.2 | 37.1 | 3.9 | 5.0 | 10.0 | 13.9 | 15.5 |
| 132.5° | 122.0 | 109.2 | 77.6 | 34.9 | 3.9 | 4.4 | 8.9 | 12.8 | 14.4 |
| 135° | 114.2 | 103.7 | 72.1 | 32.7 | 3.9 | 4.4 | 8.3 | 12.2 | 13.3 |
| 137.5° | 109.2 | 98.1 | 67.1 | 30.5 | 3.9 | 3.9 | 7.8 | 11.1 | 12.2 |
| 140° | 100.9 | 92.0 | 61.5 | 28.3 | 3.9 | 3.9 | 7.2 | 10.5 | 11.1 |
| 142.5° | 94.8 | 85.9 | 56.5 | 26.1 | 3.9 | 3.9 | 6.7 | 9.4 | 10.5 |
| 145° | 87.6 | 79.8 | 51.0 | 23.8 | 3.9 | 3.3 | 6.1 | 8.9 | 9.4 |
| 147.5° | 80.9 | 72.6 | 46.6 | 22.2 | 3.9 | 3.3 | 5.5 | 7.8 | 8.3 |
| 150° | 74.3 | 65.4 | 42.1 | 20.5 | 3.9 | 3.3 | 5.0 | 6.7 | 7.8 |
| 152.5° | 67.1 | 56.5 | 37.7 | 18.8 | 3.9 | 3.3 | 4.4 | 6.1 | 6.7 |
| 155° | 59.9 | 49.3 | 33.8 | 17.2 | 4.4 | 3.3 | 3.9 | 5.0 | 6.1 |
| 157.5° | 53.8 | 42.7 | 29.9 | 15.5 | 4.4 | 2.8 | 3.9 | 4.4 | 5.0 |
| 160° | 46.6 | 36.6 | 26.6 | 13.9 | 4.4 | 2.8 | 3.3 | 3.9 | 4.4 |
| 162.5° | 41.0 | 30.5 | 23.3 | 12.8 | 4.4 | 2.8 | 3.3 | 3.3 | 3.9 |
| 165° | 34.9 | 25.5 | 19.4 | 11.6 | 4.4 | 2.8 | 2.8 | 2.8 | 3.3 |
| 167.5° | 28.3 | 20.0 | 16.1 | 10.5 | 4.4 | 2.8 | 2.8 | 2.2 | 2.8 |
| 170° | 21.1 | 15.0 | 13.3 | 9.4 | 4.4 | 2.8 | 2.2 | 1.7 | 2.2 |
| 172.5° | 9.4 | 11.6 | 10.5 | 8.3 | 5.0 | 2.8 | 2.2 | 1.7 | 1.1 |
| 175° | 5.0 | 8.3 | 8.3 | 7.2 | 5.0 | 2.8 | 2.2 | 1.7 | 0.6 |
| 177.5° | 3.9 | 5.0 | 6.1 | 6.1 | 5.0 | 3.3 | 2.2 | 1.1 | 0.6 |
| 180° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |



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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 | 21.18 | 22.66 | 21.69 | 23.16 | 23.70 | 20.06 | 21.53 | 20.56 | 22.04 | 22.58 |
| | 3H | 23.27 | 24.62 | 23.79 | 25.13 | 25.71 | 21.89 | 23.24 | 22.41 | 23.75 | 24.34 |
| | 4H | 24.22 | 25.49 | 24.75 | 26.02 | 26.62 | 22.62 | 23.89 | 23.16 | 24.42 | 25.02 |
| | 6H | 25.14 | 26.33 | 25.69 | 26.87 | 27.48 | 23.22 | 24.41 | 23.77 | 24.95 | 25.56 |
| | 8H | 25.57 | 26.71 | 26.13 | 27.27 | 27.89 | 23.45 | 24.59 | 24.02 | 25.15 | 25.77 |
| | 12H | 25.99 | 27.08 | 26.56 | 27.64 | 28.29 | 23.65 | 24.75 | 24.23 | 25.30 | 25.95 |
| 4H | 2H | 21.66 | 22.94 | 22.20 | 23.47 | 24.06 | 20.63 | 21.90 | 21.17 | 22.43 | 23.03 |
| | 3H | 23.98 | 25.07 | 24.53 | 25.64 | 26.25 | 22.65 | 23.74 | 23.21 | 24.31 | 24.93 |
| | 4H | 25.09 | 26.09 | 25.67 | 26.67 | 27.32 | 23.48 | 24.48 | 24.06 | 25.06 | 25.71 |
| | 6H | 26.20 | 27.08 | 26.79 | 27.68 | 28.35 | 24.21 | 25.09 | 24.80 | 25.69 | 26.35 |
| | 8H | 26.73 | 27.56 | 27.33 | 28.16 | 28.83 | 24.50 | 25.33 | 25.10 | 25.93 | 26.61 |
| | 12H | 27.26 | 28.01 | 27.88 | 28.64 | 29.32 | 24.76 | 25.51 | 25.38 | 26.15 | 26.83 |
| 8H | 4H | 25.34 | 26.17 | 25.94 | 26.77 | 27.45 | 23.83 | 24.66 | 24.43 | 25.26 | 25.93 |
| | 6H | 26.63 | 27.33 | 27.25 | 27.97 | 28.65 | 24.68 | 25.38 | 25.31 | 26.03 | 26.71 |
| | 8H | 27.30 | 27.93 | 27.94 | 28.58 | 29.27 | 25.06 | 25.69 | 25.70 | 26.34 | 27.04 |
| | 12H | 28.00 | 28.56 | 28.64 | 29.21 | 29.96 | 25.42 | 25.98 | 26.06 | 26.62 | 27.38 |
| 12H | 4H | 25.36 | 26.11 | 25.98 | 26.74 | 27.42 | 23.90 | 24.65 | 24.51 | 25.28 | 25.96 |
| | 6H | 26.68 | 27.31 | 27.32 | 27.96 | 28.66 | 24.79 | 25.43 | 25.43 | 26.08 | 26.77 |
| | 8H | 27.42 | 27.98 | 28.06 | 28.63 | 29.38 | 25.24 | 25.80 | 25.88 | 26.44 | 27.20 |