

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438613

Luminaire Tested: CB2-030U-085D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438613  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-085D-830-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

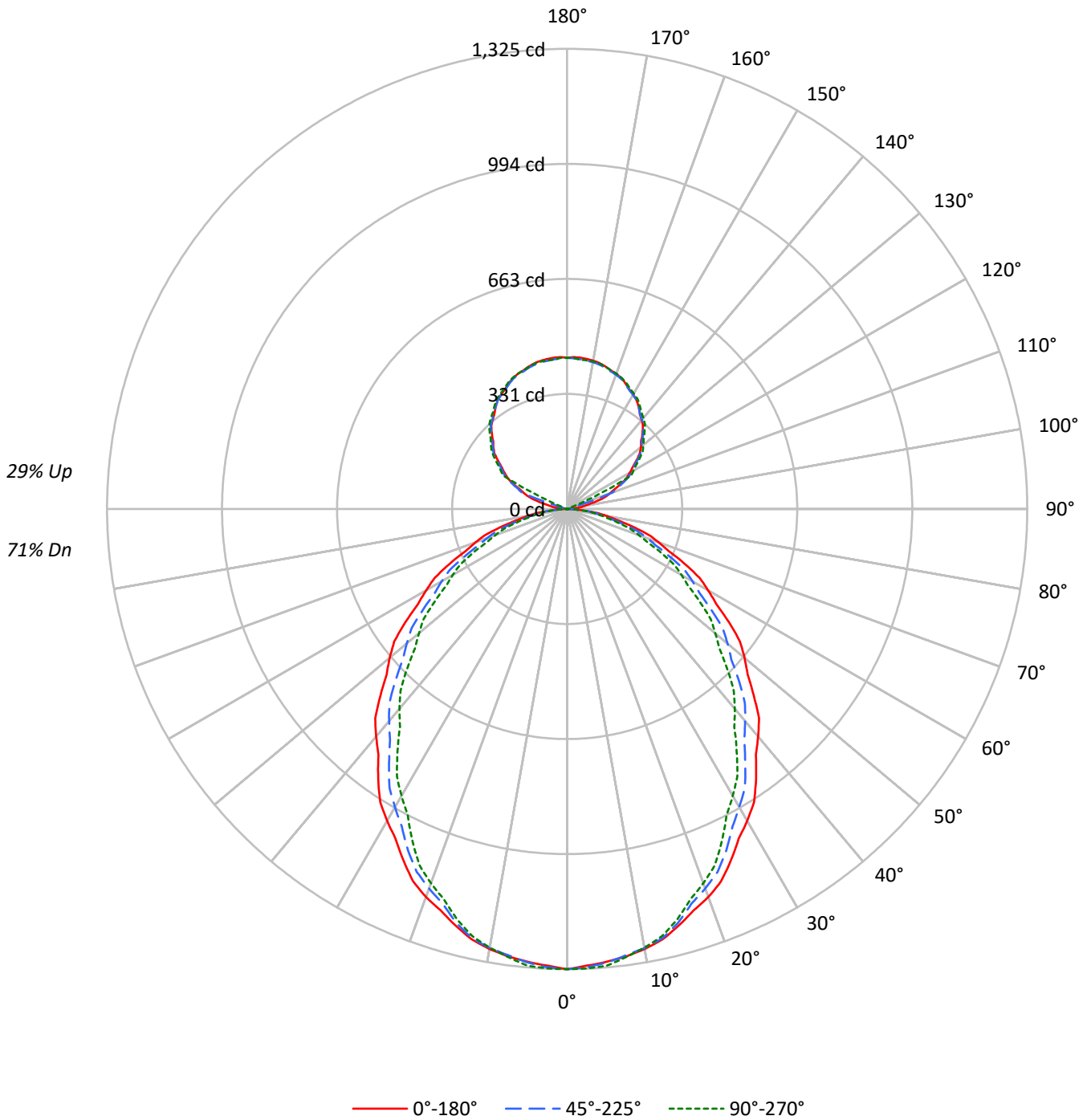
Lumens per Lamp: N/A  
Luminaire Lumens: 4330.7 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 37.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |    | 20 |    |    |    |    |    |    |    |    | 20 |    |    |    |    |    |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |    | 70 |    |    |    |    |    |    |    |    | 30 |    |    |    |    |    |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 71 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 103 | 98  | 95  | 91  | 97  | 93  | 90  | 87  | 84 | 81 | 79 | 75 | 73 | 71 | 67 | 66 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 61 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 94  | 86  | 80  | 75  | 89  | 82  | 76  | 72  | 74 | 70 | 66 | 66 | 63 | 60 | 60 | 57 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 51 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 86  | 76  | 69  | 63  | 81  | 72  | 66  | 60  | 65 | 60 | 56 | 59 | 55 | 51 | 53 | 50 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 44 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 79  | 68  | 60  | 53  | 74  | 64  | 57  | 52  | 58 | 53 | 48 | 53 | 48 | 44 | 48 | 44 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 38 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 72  | 61  | 52  | 46  | 68  | 58  | 50  | 45  | 53 | 46 | 42 | 48 | 43 | 39 | 43 | 39 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 33 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 67  | 55  | 46  | 40  | 63  | 52  | 45  | 39  | 48 | 41 | 37 | 43 | 38 | 34 | 39 | 35 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 29 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 62  | 50  | 41  | 36  | 59  | 47  | 40  | 35  | 43 | 37 | 32 | 39 | 34 | 30 | 36 | 32 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 58  | 45  | 37  | 32  | 55  | 43  | 36  | 31  | 40 | 33 | 29 | 36 | 31 | 27 | 33 | 29 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 23 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 54  | 41  | 34  | 29  | 51  | 40  | 33  | 28  | 37 | 30 | 26 | 33 | 28 | 25 | 31 | 26 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 21 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 31 | 26 | 22 | 28 | 24 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 19 |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 23080 | 23080 | 23080 |
| 5°  | 22883 | 22920 | 23079 |
| 10° | 22753 | 22700 | 22682 |
| 15° | 22394 | 22248 | 22064 |
| 20° | 22040 | 21551 | 21251 |
| 25° | 21449 | 20844 | 20260 |
| 30° | 20854 | 19937 | 19181 |
| 35° | 20172 | 19007 | 18101 |
| 40° | 19447 | 18133 | 17071 |
| 45° | 18718 | 17220 | 16070 |
| 50° | 18063 | 16331 | 15093 |
| 55° | 17254 | 15405 | 14172 |
| 60° | 16327 | 14526 | 13255 |
| 65° | 15348 | 13547 | 12335 |
| 70° | 14259 | 12451 | 11163 |
| 75° | 12975 | 11265 | 10108 |
| 80° | 11605 | 9870  | 9158  |
| 85° | 8913  | 8114  | 6695  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18718 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 124.6  | 2.9       |
| 10°-20°   | 347.4  | 8.0       |
| 20°-30°   | 499.4  | 11.5      |
| 30°-40°   | 561.4  | 13.0      |
| 40°-50°   | 542.3  | 12.5      |
| 50°-60°   | 458.2  | 10.6      |
| 60°-70°   | 329.1  | 7.6       |
| 70°-80°   | 179.9  | 4.2       |
| 80°-90°   | 47.8   | 1.1       |
| 90°-100°  | 7.6    | 0.2       |
| 100°-110° | 48.3   | 1.1       |
| 110°-120° | 153.4  | 3.5       |
| 120°-130° | 222.5  | 5.1       |
| 130°-140° | 239.3  | 5.5       |
| 140°-150° | 225.3  | 5.2       |
| 150°-160° | 183.6  | 4.2       |
| 160°-170° | 119.5  | 2.8       |
| 170°-180° | 41.3   | 1.0       |
| 0°-30°    | 971.4  | 22.4      |
| 0°-40°    | 1532.8 | 35.4      |
| 0°-60°    | 2533.2 | 58.5      |
| 0°-90°    | 3090.0 | 71.3      |
| 90°-120°  | 209.2  | 4.8       |
| 90°-150°  | 896.4  | 20.7      |
| 90°-180°  | 1241.0 | 28.7      |
| 0°-180°   | 4330.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1325 | 1325  | 1325 | 1325  | 1325 |      |
| 5°   | 1309 | 1327  | 1311 | 1311  | 1320 | 124  |
| 15°  | 1242 | 1253  | 1234 | 1222  | 1224 | 350  |
| 25°  | 1116 | 1117  | 1085 | 1060  | 1054 | 514  |
| 35°  | 949  | 938   | 894  | 859   | 851  | 593  |
| 45°  | 760  | 744   | 699  | 662   | 652  | 587  |
| 55°  | 568  | 547   | 507  | 476   | 467  | 508  |
| 65°  | 372  | 358   | 329  | 305   | 299  | 369  |
| 75°  | 193  | 181   | 167  | 154   | 150  | 206  |
| 85°  | 45   | 42    | 41   | 36    | 34   | 53   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 2    |
| 95°  | 17   | 5     | 5    | 4     | 3    | 22   |
| 105° | 91   | 94    | 9    | 11    | 12   | 95   |
| 115° | 172  | 175   | 177  | 179   | 103  | 169  |
| 125° | 244  | 248   | 248  | 252   | 256  | 218  |
| 135° | 306  | 310   | 310  | 312   | 316  | 236  |
| 145° | 359  | 362   | 359  | 359   | 364  | 224  |
| 155° | 398  | 401   | 396  | 396   | 401  | 184  |
| 165° | 425  | 426   | 422  | 420   | 424  | 120  |
| 175° | 437  | 438   | 433  | 430   | 432  | 42   |
| 180° | 435  | 435   | 435  | 435   | 435  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1325.1 | 1325.1 | 1325.1 | 1325.1 | 1325.1 |
| 2.5°   | 1316.1 | 1332.0 | 1320.2 | 1321.9 | 1324.3 |
| 5°     | 1308.8 | 1326.7 | 1310.9 | 1311.1 | 1320.0 |
| 7.5°   | 1299.5 | 1316.4 | 1296.5 | 1292.8 | 1301.1 |
| 10°    | 1286.5 | 1303.4 | 1283.5 | 1276.5 | 1282.5 |
| 12.5°  | 1269.5 | 1285.5 | 1266.4 | 1255.4 | 1260.5 |
| 15°    | 1241.9 | 1252.8 | 1233.8 | 1221.6 | 1223.6 |
| 17.5°  | 1211.8 | 1218.6 | 1191.1 | 1181.0 | 1179.0 |
| 20°    | 1189.1 | 1195.1 | 1162.7 | 1148.5 | 1146.5 |
| 22.5°  | 1159.9 | 1165.1 | 1131.1 | 1113.6 | 1110.8 |
| 25°    | 1116.1 | 1117.1 | 1084.6 | 1060.1 | 1054.2 |
| 27.5°  | 1070.2 | 1067.0 | 1031.0 | 1002.1 | 994.3  |
| 30°    | 1036.9 | 1033.0 | 991.3  | 960.7  | 953.7  |
| 32.5°  | 1001.2 | 994.1  | 952.3  | 919.3  | 912.3  |
| 35°    | 948.7  | 937.7  | 893.9  | 859.2  | 851.3  |
| 37.5°  | 892.7  | 880.3  | 837.3  | 799.5  | 790.6  |
| 40°    | 855.3  | 841.4  | 797.5  | 759.7  | 750.8  |
| 42.5°  | 818.0  | 802.5  | 757.7  | 719.9  | 710.2  |
| 45°    | 759.9  | 744.1  | 699.1  | 662.3  | 652.4  |
| 47.5°  | 704.7  | 684.5  | 640.8  | 604.3  | 594.4  |
| 50°    | 666.6  | 644.8  | 602.7  | 566.9  | 557.0  |
| 52.5°  | 627.6  | 605.0  | 564.5  | 530.4  | 520.5  |
| 55°    | 568.2  | 547.3  | 507.3  | 475.6  | 466.7  |
| 57.5°  | 509.3  | 489.3  | 452.7  | 422.5  | 413.8  |
| 60°    | 468.7  | 451.9  | 417.0  | 388.4  | 380.5  |
| 62.5°  | 429.8  | 414.5  | 381.3  | 355.1  | 347.2  |
| 65°    | 372.4  | 358.5  | 328.7  | 305.3  | 299.3  |
| 67.5°  | 316.6  | 302.7  | 278.6  | 257.6  | 250.8  |
| 70°    | 280.0  | 266.1  | 244.5  | 225.1  | 219.2  |
| 72.5°  | 245.1  | 230.4  | 212.9  | 195.1  | 190.7  |
| 75°    | 192.8  | 180.9  | 167.4  | 154.1  | 150.2  |
| 77.5°  | 146.5  | 135.0  | 125.2  | 115.8  | 114.9  |
| 80°    | 115.7  | 105.7  | 98.4   | 92.3   | 91.3   |
| 82.5°  | 86.4   | 78.9   | 74.1   | 69.6   | 69.4   |
| 85°    | 44.6   | 41.7   | 40.6   | 35.5   | 33.5   |
| 87.5°  | 13.0   | 13.0   | 11.4   | 9.8    | 9.8    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.3    | 0.3    |
| 92.5°  | 4.8    | 1.8    | 1.3    | 1.8    | 1.8    |
| 95°    | 17.3   | 5.0    | 5.3    | 3.5    | 3.1    |
| 97.5°  | 35.9   | 8.1    | 7.7    | 8.5    | 8.8    |
| 100°   | 50.0   | 16.5   | 8.5    | 9.8    | 10.1   |
| 102.5° | 65.6   | 62.1   | 8.7    | 10.5   | 11.1   |
| 105°   | 90.6   | 94.0   | 9.4    | 11.0   | 11.6   |
| 107.5° | 115.2  | 118.5  | 43.9   | 11.4   | 12.0   |
| 110°   | 131.5  | 134.9  | 139.1  | 11.7   | 12.3   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 146.9 | 151.0 | 154.2 | 25.9  | 12.8  |
| 115°   | 171.5 | 175.2 | 176.8 | 178.9 | 102.6 |
| 117.5° | 193.2 | 197.7 | 199.6 | 203.2 | 206.6 |
| 120°   | 208.3 | 212.6 | 214.0 | 217.5 | 221.2 |
| 122.5° | 223.1 | 227.0 | 227.8 | 231.8 | 235.3 |
| 125°   | 243.5 | 247.8 | 247.9 | 252.1 | 255.5 |
| 127.5° | 263.9 | 267.6 | 267.4 | 270.6 | 274.3 |
| 130°   | 277.5 | 280.0 | 280.0 | 282.6 | 286.6 |
| 132.5° | 288.8 | 292.3 | 292.4 | 294.5 | 298.5 |
| 135°   | 306.5 | 310.2 | 309.6 | 311.6 | 315.6 |
| 137.5° | 323.0 | 326.6 | 325.6 | 327.3 | 331.4 |
| 140°   | 333.8 | 336.9 | 335.4 | 337.1 | 341.7 |
| 142.5° | 343.9 | 347.0 | 344.7 | 346.2 | 351.0 |
| 145°   | 358.7 | 361.5 | 359.0 | 359.4 | 364.0 |
| 147.5° | 371.8 | 374.6 | 371.6 | 372.0 | 376.3 |
| 150°   | 380.4 | 382.9 | 379.1 | 379.6 | 383.9 |
| 152.5° | 388.0 | 390.2 | 386.2 | 386.1 | 391.2 |
| 155°   | 398.3 | 400.8 | 396.5 | 395.6 | 401.2 |
| 157.5° | 407.8 | 410.1 | 405.7 | 405.1 | 409.4 |
| 160°   | 414.1 | 415.6 | 411.2 | 410.4 | 414.7 |
| 162.5° | 418.4 | 420.1 | 415.8 | 414.4 | 418.7 |
| 165°   | 424.8 | 426.0 | 421.6 | 419.8 | 424.1 |
| 167.5° | 430.3 | 431.7 | 426.1 | 424.5 | 429.1 |
| 170°   | 433.6 | 434.5 | 428.9 | 426.8 | 431.4 |
| 172.5° | 435.6 | 436.3 | 430.6 | 428.2 | 431.4 |
| 175°   | 437.4 | 438.3 | 432.6 | 429.9 | 432.0 |
| 177.5° | 437.7 | 438.2 | 433.9 | 431.5 | 435.2 |
| 180°   | 435.2 | 435.2 | 435.2 | 435.2 | 435.2 |



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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 | 19.69            | 20.76 | 20.44 | 21.53 | 22.46 | 18.59          | 19.66 | 19.34 | 20.43 | 21.36 |
|                 | 3H   | 21.35            | 22.31 | 22.11 | 23.09 | 24.05 | 20.13          | 21.09 | 20.90 | 21.88 | 22.84 |
|                 | 4H   | 21.99            | 22.89 | 22.77 | 23.69 | 24.66 | 20.71          | 21.62 | 21.50 | 22.41 | 23.39 |
|                 | 6H   | 22.40            | 23.24 | 23.19 | 24.04 | 25.02 | 21.10          | 21.93 | 21.89 | 22.73 | 23.72 |
|                 | 8H   | 22.55            | 23.35 | 23.36 | 24.17 | 25.16 | 21.24          | 22.04 | 22.05 | 22.86 | 23.85 |
|                 | 12H  | 22.63            | 23.40 | 23.44 | 24.21 | 25.22 | 21.31          | 22.07 | 22.12 | 22.88 | 23.90 |
| 4H              | 2H   | 20.12            | 21.03 | 20.91 | 21.82 | 22.79 | 19.25          | 20.16 | 20.03 | 20.95 | 21.92 |
|                 | 3H   | 22.01            | 22.77 | 22.81 | 23.59 | 24.58 | 21.00          | 21.76 | 21.80 | 22.58 | 23.57 |
|                 | 4H   | 22.76            | 23.45 | 23.58 | 24.28 | 25.29 | 21.68          | 22.37 | 22.50 | 23.20 | 24.21 |
|                 | 6H   | 23.29            | 23.89 | 24.13 | 24.74 | 25.76 | 22.17          | 22.77 | 23.00 | 23.61 | 24.64 |
|                 | 8H   | 23.50            | 24.06 | 24.34 | 24.91 | 25.94 | 22.36          | 22.92 | 23.20 | 23.76 | 24.80 |
|                 | 12H  | 23.62            | 24.12 | 24.47 | 24.99 | 26.03 | 22.46          | 22.96 | 23.32 | 23.83 | 24.87 |
| 8H              | 4H   | 22.94            | 23.49 | 23.77 | 24.34 | 25.37 | 21.97          | 22.53 | 22.81 | 23.37 | 24.41 |
|                 | 6H   | 23.59            | 24.05 | 24.45 | 24.93 | 25.97 | 22.59          | 23.05 | 23.45 | 23.93 | 24.97 |
|                 | 8H   | 23.88            | 24.29 | 24.75 | 25.17 | 26.22 | 22.86          | 23.27 | 23.74 | 24.15 | 25.21 |
|                 | 12H  | 24.06            | 24.42 | 24.94 | 25.30 | 26.40 | 23.02          | 23.38 | 23.90 | 24.25 | 25.36 |
| 12H             | 4H   | 22.93            | 23.43 | 23.78 | 24.29 | 25.33 | 21.99          | 22.49 | 22.84 | 23.35 | 24.39 |
|                 | 6H   | 23.62            | 24.03 | 24.49 | 24.91 | 25.96 | 22.65          | 23.06 | 23.52 | 23.94 | 24.99 |
|                 | 8H   | 23.94            | 24.30 | 24.82 | 25.18 | 26.28 | 22.97          | 23.33 | 23.84 | 24.20 | 25.31 |