

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: P1439530

Luminaire Tested: CB3-D-055U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439530  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-D-055U-030D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

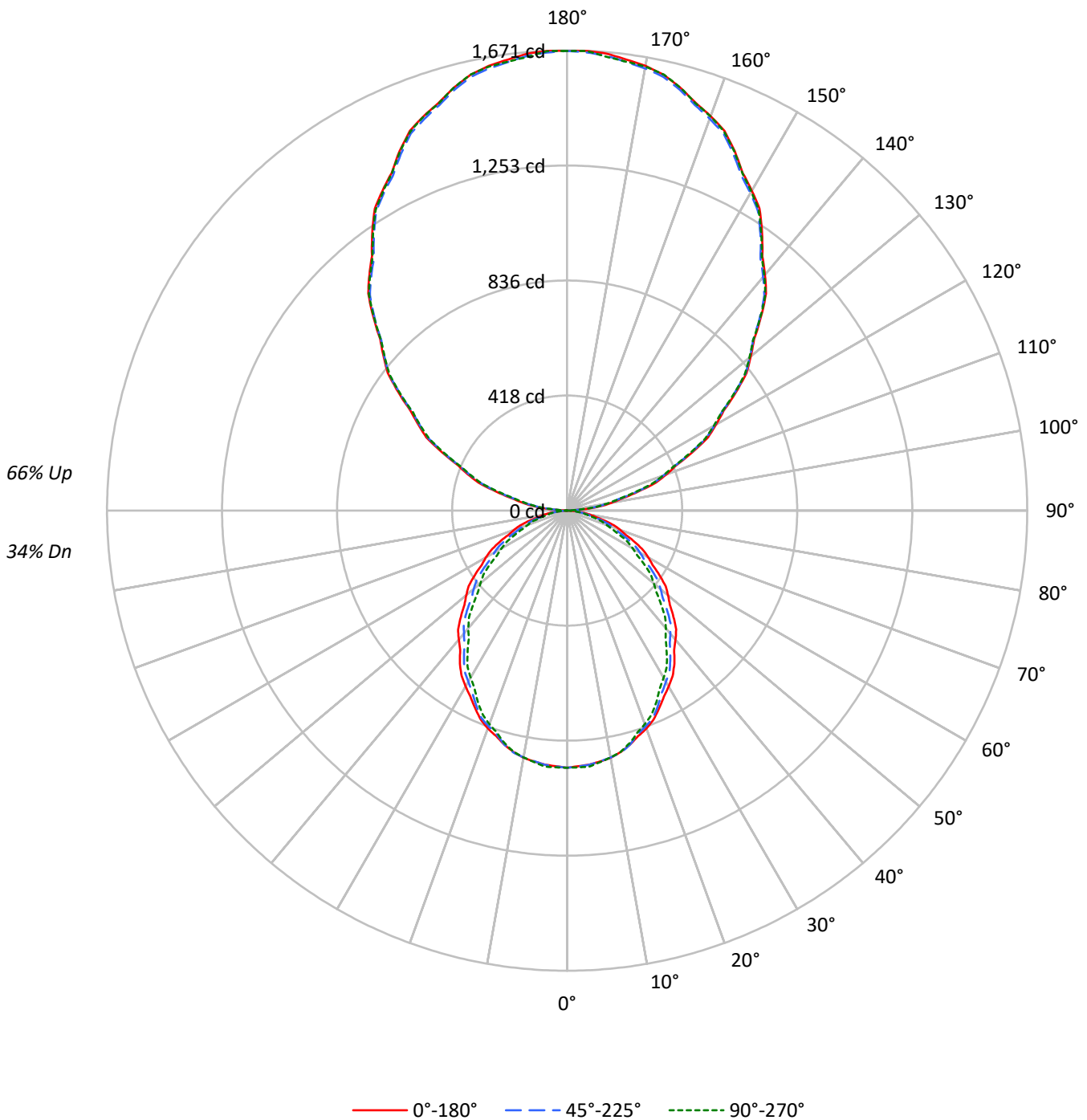
Lumens per Lamp: N/A  
Luminaire Lumens: 6535.3 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 53.2  
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 |    |    |    |    |    |    |    |    | 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 | 50 | 30 | 10 | 0 |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 57 | 57 | 57 | 42 | 42 | 42 | 34 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 1   | 94  | 90  | 86  | 83  | 85 | 82 | 78 | 76 | 65 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 35 | 29 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 2   | 86  | 79  | 73  | 68  | 77 | 71 | 66 | 62 | 57 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 | 25 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 3   | 78  | 69  | 62  | 57  | 71 | 63 | 57 | 52 | 51 | 46 | 43 | 39 | 37 | 34 | 29 | 27 | 26 | 21 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 4   | 72  | 61  | 54  | 48  | 65 | 56 | 49 | 44 | 45 | 40 | 37 | 35 | 32 | 29 | 26 | 24 | 22 | 18 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 5   | 66  | 55  | 47  | 41  | 59 | 50 | 43 | 38 | 40 | 35 | 32 | 32 | 28 | 25 | 23 | 21 | 19 | 16 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 6   | 61  | 49  | 41  | 35  | 55 | 45 | 38 | 33 | 36 | 31 | 27 | 29 | 25 | 22 | 21 | 19 | 17 | 14 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 7   | 56  | 44  | 36  | 31  | 50 | 40 | 33 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 19 | 17 | 15 | 12 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 8   | 52  | 40  | 32  | 27  | 47 | 37 | 30 | 25 | 30 | 25 | 21 | 24 | 20 | 17 | 18 | 15 | 14 | 11 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 9   | 48  | 36  | 29  | 24  | 44 | 33 | 27 | 23 | 27 | 22 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 10 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 10  | 45  | 33  | 26  | 22  | 41 | 31 | 24 | 20 | 25 | 20 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5283 | 5283 | 5283 |
| 5°  | 5258 | 5261 | 5299 |
| 10° | 5235 | 5228 | 5228 |
| 15° | 5155 | 5155 | 5124 |
| 20° | 5072 | 5020 | 4968 |
| 25° | 4936 | 4874 | 4788 |
| 30° | 4816 | 4690 | 4577 |
| 35° | 4689 | 4515 | 4354 |
| 40° | 4520 | 4304 | 4119 |
| 45° | 4367 | 4117 | 3863 |
| 50° | 4209 | 3894 | 3614 |
| 55° | 4037 | 3678 | 3377 |
| 60° | 3851 | 3454 | 3110 |
| 65° | 3636 | 3201 | 2829 |
| 70° | 3386 | 2903 | 2519 |
| 75° | 3069 | 2549 | 2245 |
| 80° | 2675 | 2137 | 1984 |
| 85° | 2064 | 1805 | 1805 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4367 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.1   | 1.3       |
| 10°-20°   | 247.5  | 3.8       |
| 20°-30°   | 359.3  | 5.5       |
| 30°-40°   | 408.3  | 6.2       |
| 40°-50°   | 396.4  | 6.1       |
| 50°-60°   | 334.7  | 5.1       |
| 60°-70°   | 238.1  | 3.6       |
| 70°-80°   | 127.2  | 1.9       |
| 80°-90°   | 33.6   | 0.5       |
| 90°-100°  | 70.5   | 1.1       |
| 100°-110° | 276.0  | 4.2       |
| 110°-120° | 491.9  | 7.5       |
| 120°-130° | 665.6  | 10.2      |
| 130°-140° | 765.2  | 11.7      |
| 140°-150° | 767.9  | 11.7      |
| 150°-160° | 660.4  | 10.1      |
| 160°-170° | 447.0  | 6.8       |
| 170°-180° | 157.7  | 2.4       |
| 0°-30°    | 694.9  | 10.6      |
| 0°-40°    | 1103.3 | 16.9      |
| 0°-60°    | 1834.3 | 28.1      |
| 0°-90°    | 2233.2 | 34.2      |
| 90°-120°  | 838.4  | 12.8      |
| 90°-150°  | 3037.0 | 46.5      |
| 90°-180°  | 4302.0 | 65.8      |
| 0°-180°   | 6535.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 934  | 934   | 934  | 934   | 934  |      |
| 5°   | 926  | 938   | 926  | 925   | 933  | 88   |
| 15°  | 880  | 888   | 880  | 875   | 875  | 248  |
| 25°  | 791  | 793   | 781  | 770   | 767  | 365  |
| 35°  | 679  | 672   | 654  | 634   | 630  | 423  |
| 45°  | 546  | 537   | 515  | 490   | 483  | 421  |
| 55°  | 409  | 398   | 373  | 349   | 342  | 366  |
| 65°  | 272  | 262   | 239  | 218   | 211  | 269  |
| 75°  | 140  | 133   | 117  | 105   | 103  | 150  |
| 85°  | 32   | 29    | 28   | 28    | 28   | 38   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 4    |
| 95°  | 68   | 62    | 55   | 51    | 52   | 77   |
| 105° | 268  | 266   | 257  | 253   | 251  | 286  |
| 115° | 502  | 504   | 493  | 492   | 490  | 497  |
| 125° | 748  | 756   | 741  | 738   | 740  | 668  |
| 135° | 996  | 1006  | 989  | 982   | 992  | 768  |
| 145° | 1234 | 1244  | 1224 | 1217  | 1229 | 771  |
| 155° | 1440 | 1452  | 1428 | 1422  | 1437 | 662  |
| 165° | 1590 | 1603  | 1582 | 1573  | 1590 | 448  |
| 175° | 1665 | 1680  | 1658 | 1647  | 1654 | 158  |
| 180° | 1669 | 1669  | 1669 | 1669  | 1669 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 933.8 | 933.8 | 933.8 | 933.8 | 933.8 |
| 2.5°   | 929.1 | 938.4 | 930.1 | 931.2 | 933.3 |
| 5°     | 925.9 | 937.5 | 926.5 | 925.4 | 933.1 |
| 7.5°   | 918.7 | 929.3 | 917.9 | 915.3 | 921.1 |
| 10°    | 911.3 | 923.0 | 910.0 | 906.7 | 910.0 |
| 12.5°  | 898.1 | 910.2 | 899.9 | 894.5 | 897.3 |
| 15°    | 880.2 | 887.9 | 880.2 | 874.9 | 874.9 |
| 17.5°  | 858.3 | 866.5 | 851.8 | 848.1 | 846.4 |
| 20°    | 842.4 | 849.5 | 833.8 | 828.4 | 825.2 |
| 22.5°  | 821.2 | 827.8 | 814.7 | 804.6 | 801.9 |
| 25°    | 790.8 | 793.4 | 780.9 | 770.2 | 767.0 |
| 27.5°  | 761.5 | 762.2 | 745.0 | 732.0 | 727.8 |
| 30°    | 737.2 | 737.8 | 718.0 | 704.0 | 700.7 |
| 32.5°  | 712.8 | 710.8 | 692.0 | 675.4 | 673.2 |
| 35°    | 678.9 | 672.4 | 653.7 | 634.4 | 630.5 |
| 37.5°  | 637.9 | 634.1 | 612.0 | 592.6 | 586.8 |
| 40°    | 612.0 | 605.5 | 582.8 | 563.5 | 557.7 |
| 42.5°  | 586.0 | 578.5 | 555.3 | 533.8 | 527.5 |
| 45°    | 545.8 | 537.3 | 514.6 | 490.0 | 482.8 |
| 47.5°  | 505.2 | 496.0 | 471.0 | 447.2 | 439.3 |
| 50°    | 478.2 | 468.5 | 442.4 | 419.1 | 410.6 |
| 52.5°  | 450.6 | 440.4 | 414.3 | 390.5 | 383.6 |
| 55°    | 409.3 | 398.3 | 372.9 | 348.9 | 342.4 |
| 57.5°  | 368.0 | 357.1 | 331.8 | 309.1 | 301.4 |
| 60°    | 340.4 | 330.1 | 305.3 | 282.6 | 274.9 |
| 62.5°  | 312.3 | 302.5 | 278.3 | 256.2 | 248.9 |
| 65°    | 271.6 | 261.8 | 239.1 | 217.8 | 211.3 |
| 67.5°  | 231.1 | 222.9 | 200.4 | 180.8 | 175.6 |
| 70°    | 204.7 | 196.9 | 175.5 | 157.5 | 152.3 |
| 72.5°  | 179.2 | 170.9 | 150.6 | 135.3 | 131.7 |
| 75°    | 140.4 | 132.6 | 116.6 | 104.6 | 102.7 |
| 77.5°  | 104.9 | 98.6  | 84.6  | 77.9  | 76.8  |
| 80°    | 82.1  | 76.3  | 65.6  | 60.9  | 60.9  |
| 82.5°  | 60.9  | 56.1  | 49.1  | 47.2  | 47.2  |
| 85°    | 31.8  | 29.2  | 27.8  | 27.8  | 27.8  |
| 87.5°  | 9.5   | 9.5   | 9.0   | 8.5   | 8.5   |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 18.4  | 16.4  | 10.2  | 8.2   | 8.2   |
| 95°    | 67.8  | 61.6  | 55.0  | 51.2  | 52.5  |
| 97.5°  | 125.2 | 119.2 | 111.1 | 107.3 | 108.3 |
| 100°   | 165.1 | 160.1 | 151.0 | 147.2 | 147.2 |
| 102.5° | 204.0 | 201.0 | 192.0 | 188.2 | 189.2 |
| 105°   | 267.5 | 266.2 | 257.3 | 253.4 | 250.9 |
| 107.5° | 337.6 | 335.4 | 325.3 | 325.0 | 322.8 |
| 110°   | 382.7 | 381.4 | 372.5 | 371.1 | 369.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 428.8  | 430.5  | 420.6  | 419.3  | 418.0  |
| 115°   | 501.7  | 504.2  | 492.8  | 491.5  | 490.2  |
| 117.5° | 576.5  | 580.0  | 567.8  | 566.4  | 564.2  |
| 120°   | 624.6  | 632.1  | 616.9  | 615.6  | 614.4  |
| 122.5° | 673.7  | 680.2  | 666.1  | 663.7  | 663.5  |
| 125°   | 747.5  | 756.2  | 741.1  | 738.5  | 739.8  |
| 127.5° | 821.2  | 830.2  | 816.1  | 811.0  | 813.8  |
| 130°   | 870.3  | 880.3  | 865.2  | 860.2  | 863.9  |
| 132.5° | 920.5  | 930.5  | 915.4  | 910.4  | 916.2  |
| 135°   | 995.8  | 1005.8 | 989.4  | 981.9  | 991.9  |
| 137.5° | 1069.2 | 1078.0 | 1060.0 | 1054.9 | 1065.4 |
| 140°   | 1117.4 | 1126.1 | 1107.1 | 1101.0 | 1113.5 |
| 142.5° | 1164.5 | 1174.2 | 1153.2 | 1147.1 | 1160.6 |
| 145°   | 1233.8 | 1243.8 | 1223.6 | 1217.4 | 1228.7 |
| 147.5° | 1300.4 | 1310.6 | 1290.1 | 1283.0 | 1294.5 |
| 150°   | 1341.3 | 1352.6 | 1331.1 | 1325.0 | 1337.5 |
| 152.5° | 1381.3 | 1393.5 | 1371.0 | 1364.0 | 1379.5 |
| 155°   | 1439.9 | 1452.4 | 1428.4 | 1422.3 | 1437.3 |
| 157.5° | 1492.6 | 1504.1 | 1482.4 | 1476.3 | 1489.3 |
| 160°   | 1524.4 | 1536.9 | 1514.1 | 1508.1 | 1523.1 |
| 162.5° | 1552.0 | 1564.5 | 1543.8 | 1535.7 | 1550.7 |
| 165°   | 1589.6 | 1603.4 | 1582.0 | 1573.4 | 1589.6 |
| 167.5° | 1621.1 | 1635.9 | 1613.2 | 1605.4 | 1621.6 |
| 170°   | 1639.5 | 1653.3 | 1630.6 | 1620.7 | 1637.0 |
| 172.5° | 1651.8 | 1665.6 | 1642.9 | 1632.9 | 1644.2 |
| 175°   | 1665.1 | 1680.2 | 1657.5 | 1647.4 | 1653.6 |
| 177.5° | 1671.0 | 1683.0 | 1664.9 | 1656.0 | 1670.0 |
| 180°   | 1669.0 | 1669.0 | 1669.0 | 1669.0 | 1669.0 |



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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 | 11.25            | 11.98 | 12.33 | 13.06 | 14.54 | 10.17          | 10.90 | 11.25 | 11.98 | 13.46 |
|                 | 3H   | 12.91            | 13.56 | 14.00 | 14.65 | 16.15 | 11.57          | 12.23 | 12.67 | 13.32 | 14.82 |
|                 | 4H   | 13.53            | 14.15 | 14.63 | 15.24 | 16.75 | 12.09          | 12.70 | 13.19 | 13.80 | 15.30 |
|                 | 6H   | 13.91            | 14.48 | 15.02 | 15.57 | 17.09 | 12.40          | 12.96 | 13.51 | 14.06 | 15.58 |
|                 | 8H   | 14.04            | 14.58 | 15.16 | 15.69 | 17.20 | 12.52          | 13.06 | 13.63 | 14.17 | 15.68 |
|                 | 12H  | 14.10            | 14.62 | 15.22 | 15.72 | 17.26 | 12.59          | 13.10 | 13.71 | 14.20 | 15.74 |
| 4H              | 2H   | 11.64            | 12.26 | 12.75 | 13.35 | 14.86 | 10.78          | 11.40 | 11.89 | 12.49 | 14.00 |
|                 | 3H   | 13.52            | 14.03 | 14.64 | 15.15 | 16.67 | 12.39          | 12.90 | 13.51 | 14.02 | 15.54 |
|                 | 4H   | 14.26            | 14.73 | 15.38 | 15.84 | 17.38 | 12.99          | 13.46 | 14.11 | 14.57 | 16.11 |
|                 | 6H   | 14.76            | 15.16 | 15.88 | 16.29 | 17.82 | 13.39          | 13.80 | 14.52 | 14.93 | 16.46 |
|                 | 8H   | 14.94            | 15.32 | 16.07 | 16.45 | 17.99 | 13.56          | 13.94 | 14.69 | 15.06 | 16.61 |
|                 | 12H  | 15.04            | 15.38 | 16.18 | 16.51 | 18.06 | 13.66          | 14.00 | 14.81 | 15.14 | 16.69 |
| 8H              | 4H   | 14.38            | 14.76 | 15.51 | 15.88 | 17.43 | 13.24          | 13.62 | 14.37 | 14.74 | 16.29 |
|                 | 6H   | 14.99            | 15.31 | 16.14 | 16.47 | 18.01 | 13.76          | 14.08 | 14.91 | 15.24 | 16.78 |
|                 | 8H   | 15.27            | 15.54 | 16.42 | 16.69 | 18.25 | 14.02          | 14.29 | 15.17 | 15.43 | 17.00 |
|                 | 12H  | 15.43            | 15.67 | 16.58 | 16.81 | 18.41 | 14.19          | 14.43 | 15.34 | 15.57 | 17.17 |
| 12H             | 4H   | 14.35            | 14.69 | 15.49 | 15.83 | 17.38 | 13.24          | 13.58 | 14.38 | 14.72 | 16.27 |
|                 | 6H   | 15.01            | 15.28 | 16.16 | 16.43 | 17.99 | 13.82          | 14.09 | 14.97 | 15.24 | 16.80 |
|                 | 8H   | 15.30            | 15.54 | 16.46 | 16.68 | 18.28 | 14.10          | 14.34 | 15.25 | 15.48 | 17.08 |