

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: P1439086

Luminaire Tested: CB2-D-125U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439086  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-125U-055D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

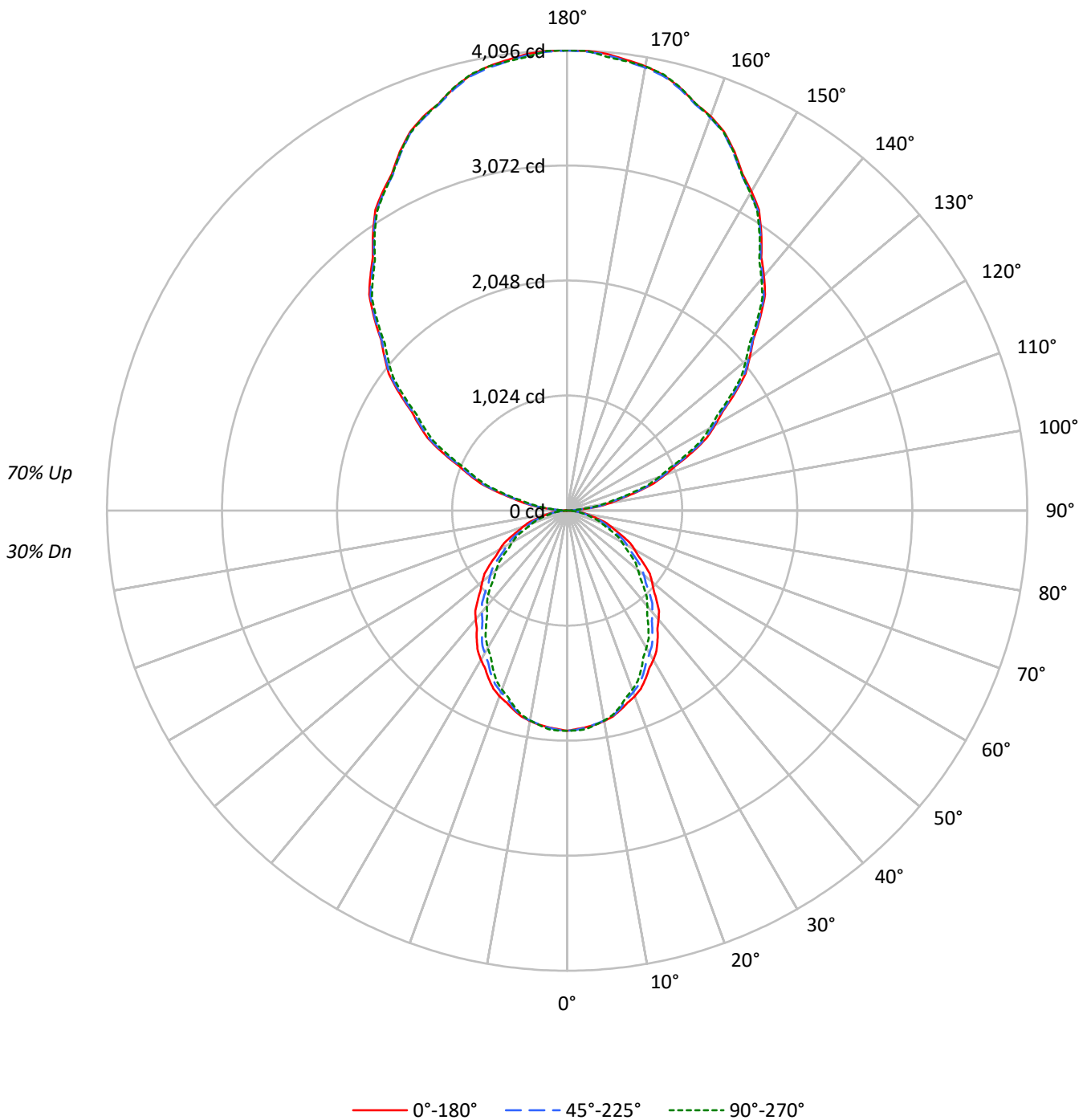
Lumens per Lamp: N/A  
Luminaire Lumens: 15015.9 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 132.5  
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





TEST NUMBER: P1439086

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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   | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 55 | 55 | 55 | 38 | 38 | 38 | 30 |    |    |    |    | 30 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 1   | 94  | 89  | 86  | 82  | 84 | 80 | 77 | 74 | 64 | 61 | 60 | 48 | 47 | 46 | 34 | 33 | 32 | 26 |    |    |    |    | 26 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 2   | 85  | 78  | 72  | 67  | 76 | 70 | 65 | 61 | 56 | 52 | 49 | 42 | 40 | 38 | 30 | 29 | 27 | 22 |    |    |    |    | 22 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 3   | 78  | 69  | 62  | 56  | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 23 | 19 |    |    |    |    | 19 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 4   | 71  | 61  | 53  | 47  | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 33 | 30 | 28 | 24 | 22 | 20 | 16 |    |    |    |    | 16 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 5   | 65  | 54  | 46  | 41  | 58 | 49 | 42 | 37 | 39 | 34 | 31 | 30 | 27 | 24 | 21 | 19 | 18 | 14 |    |    |    |    | 14 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 6   | 60  | 48  | 41  | 35  | 54 | 44 | 37 | 32 | 35 | 30 | 27 | 27 | 24 | 21 | 20 | 17 | 16 | 12 |    |    |    |    | 12 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 7   | 55  | 44  | 36  | 31  | 50 | 40 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 19 | 18 | 16 | 14 | 11 |    |    |    |    | 11 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 8   | 51  | 39  | 32  | 27  | 46 | 36 | 29 | 25 | 29 | 24 | 21 | 22 | 19 | 17 | 16 | 14 | 12 | 10 |    |    |    |    | 10 |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 9   | 48  | 36  | 29  | 24  | 43 | 33 | 26 | 22 | 26 | 22 | 18 | 21 | 17 | 15 | 15 | 13 | 11 | 9  |    |    |    |    | 9  |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 10  | 45  | 33  | 26  | 21  | 40 | 30 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 8  |    |    |    |    | 8  |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 17069 | 17069 | 17069 |
| 5°  | 16924 | 16951 | 17069 |
| 10° | 16828 | 16788 | 16775 |
| 15° | 16562 | 16454 | 16318 |
| 20° | 16301 | 15939 | 15717 |
| 25° | 15863 | 15416 | 14983 |
| 30° | 15424 | 14745 | 14186 |
| 35° | 14918 | 14057 | 13387 |
| 40° | 14383 | 13410 | 12626 |
| 45° | 13844 | 12735 | 11885 |
| 50° | 13359 | 12078 | 11162 |
| 55° | 12760 | 11393 | 10482 |
| 60° | 12077 | 10743 | 9802  |
| 65° | 11350 | 10021 | 9122  |
| 70° | 10547 | 9210  | 8255  |
| 75° | 9593  | 8331  | 7473  |
| 80° | 8581  | 7302  | 6775  |
| 85° | 6595  | 5995  | 4946  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13844 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 184.3   | 1.2       |
| 10°-20°   | 513.8   | 3.4       |
| 20°-30°   | 738.8   | 4.9       |
| 30°-40°   | 830.3   | 5.5       |
| 40°-50°   | 802.1   | 5.3       |
| 50°-60°   | 677.7   | 4.5       |
| 60°-70°   | 486.8   | 3.2       |
| 70°-80°   | 266.1   | 1.8       |
| 80°-90°   | 70.9    | 0.5       |
| 90°-100°  | 158.2   | 1.1       |
| 100°-110° | 652.5   | 4.3       |
| 110°-120° | 1184.6  | 7.9       |
| 120°-130° | 1611.9  | 10.7      |
| 130°-140° | 1860.8  | 12.4      |
| 140°-150° | 1875.2  | 12.5      |
| 150°-160° | 1618.2  | 10.8      |
| 160°-170° | 1096.8  | 7.3       |
| 170°-180° | 386.9   | 2.6       |
| 0°-30°    | 1436.9  | 9.6       |
| 0°-40°    | 2267.2  | 15.1      |
| 0°-60°    | 3747.0  | 25.0      |
| 0°-90°    | 4570.8  | 30.4      |
| 90°-120°  | 1995.4  | 13.3      |
| 90°-150°  | 7343.3  | 48.9      |
| 90°-180°  | 10445.0 | 69.6      |
| 0°-180°   | 15015.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1960 | 1960  | 1960 | 1960  | 1960 |      |
| 5°   | 1936 | 1962  | 1939 | 1939  | 1952 | 184  |
| 15°  | 1837 | 1853  | 1825 | 1807  | 1810 | 518  |
| 25°  | 1651 | 1652  | 1604 | 1568  | 1559 | 760  |
| 35°  | 1403 | 1387  | 1322 | 1271  | 1259 | 877  |
| 45°  | 1124 | 1101  | 1034 | 980   | 965  | 868  |
| 55°  | 840  | 810   | 750  | 704   | 690  | 751  |
| 65°  | 551  | 530   | 486  | 452   | 443  | 546  |
| 75°  | 285  | 268   | 248  | 228   | 222  | 305  |
| 85°  | 66   | 62    | 60   | 52    | 50   | 79   |
| 90°  | 0    | 0     | 3    | 0     | 3    | 8    |
| 95°  | 153  | 135   | 128  | 99    | 99   | 178  |
| 105° | 645  | 636   | 620  | 584   | 578  | 685  |
| 115° | 1227 | 1224  | 1201 | 1166  | 1163 | 1211 |
| 125° | 1824 | 1843  | 1805 | 1767  | 1770 | 1629 |
| 135° | 2431 | 2459  | 2418 | 2374  | 2390 | 1872 |
| 145° | 3013 | 3047  | 3000 | 2965  | 2987 | 1882 |
| 155° | 3524 | 3558  | 3508 | 3486  | 3514 | 1620 |
| 165° | 3894 | 3935  | 3885 | 3863  | 3898 | 1097 |
| 175° | 4080 | 4123  | 4070 | 4045  | 4054 | 387  |
| 180° | 4096 | 4096  | 4096 | 4096  | 4096 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1960.0 | 1960.0 | 1960.0 | 1960.0 | 1960.0 |
| 2.5°   | 1946.8 | 1970.3 | 1952.8 | 1955.3 | 1958.8 |
| 5°     | 1936.0 | 1962.4 | 1939.0 | 1939.3 | 1952.5 |
| 7.5°   | 1922.2 | 1947.1 | 1917.7 | 1912.3 | 1924.6 |
| 10°    | 1903.0 | 1927.9 | 1898.5 | 1888.2 | 1897.0 |
| 12.5°  | 1877.8 | 1901.6 | 1873.3 | 1856.9 | 1864.6 |
| 15°    | 1837.0 | 1853.1 | 1825.0 | 1807.0 | 1809.9 |
| 17.5°  | 1792.5 | 1802.5 | 1761.9 | 1746.8 | 1743.9 |
| 20°    | 1758.9 | 1767.7 | 1719.9 | 1698.8 | 1695.9 |
| 22.5°  | 1715.7 | 1723.3 | 1673.1 | 1647.2 | 1643.1 |
| 25°    | 1650.9 | 1652.3 | 1604.3 | 1568.1 | 1559.3 |
| 27.5°  | 1583.0 | 1578.3 | 1525.1 | 1482.2 | 1470.8 |
| 30°    | 1533.8 | 1527.9 | 1466.3 | 1421.0 | 1410.7 |
| 32.5°  | 1481.0 | 1470.4 | 1408.6 | 1359.8 | 1349.5 |
| 35°    | 1403.2 | 1387.1 | 1322.2 | 1270.9 | 1259.2 |
| 37.5°  | 1320.4 | 1302.2 | 1238.4 | 1182.6 | 1169.4 |
| 40°    | 1265.2 | 1244.6 | 1179.6 | 1123.8 | 1110.6 |
| 42.5°  | 1209.9 | 1187.0 | 1120.8 | 1064.9 | 1050.5 |
| 45°    | 1124.1 | 1100.6 | 1034.0 | 979.7  | 965.0  |
| 47.5°  | 1042.4 | 1012.5 | 947.9  | 893.8  | 879.2  |
| 50°    | 986.0  | 953.7  | 891.5  | 838.6  | 823.9  |
| 52.5°  | 928.4  | 894.9  | 835.0  | 784.6  | 769.9  |
| 55°    | 840.4  | 809.6  | 750.4  | 703.6  | 690.4  |
| 57.5°  | 753.4  | 723.8  | 669.6  | 624.9  | 612.0  |
| 60°    | 693.4  | 668.4  | 616.8  | 574.5  | 562.8  |
| 62.5°  | 635.7  | 613.1  | 564.0  | 525.3  | 513.6  |
| 65°    | 550.8  | 530.2  | 486.3  | 451.5  | 442.7  |
| 67.5°  | 468.2  | 447.7  | 412.1  | 381.0  | 371.0  |
| 70°    | 414.2  | 393.7  | 361.7  | 333.0  | 324.2  |
| 72.5°  | 362.6  | 340.9  | 314.9  | 288.6  | 282.1  |
| 75°    | 285.1  | 267.5  | 247.6  | 228.0  | 222.1  |
| 77.5°  | 216.7  | 199.7  | 185.2  | 171.4  | 169.9  |
| 80°    | 171.1  | 156.4  | 145.6  | 136.5  | 135.1  |
| 82.5°  | 127.9  | 116.7  | 109.6  | 102.9  | 102.7  |
| 85°    | 66.0   | 61.6   | 60.0   | 52.5   | 49.5   |
| 87.5°  | 19.2   | 19.2   | 17.4   | 14.4   | 15.0   |
| 90°    | 0.0    | 0.0    | 3.2    | 0.1    | 3.2    |
| 92.5°  | 38.3   | 33.3   | 31.3   | 20.5   | 23.6   |
| 95°    | 153.3  | 134.6  | 127.8  | 99.0   | 99.0   |
| 97.5°  | 289.4  | 270.7  | 260.7  | 231.2  | 224.9  |
| 100°   | 386.6  | 367.8  | 357.8  | 325.7  | 319.5  |
| 102.5° | 486.2  | 477.5  | 460.0  | 425.4  | 419.1  |
| 105°   | 645.3  | 636.0  | 619.8  | 584.5  | 578.2  |
| 107.5° | 808.9  | 810.8  | 786.5  | 757.6  | 748.8  |
| 110°   | 926.5  | 923.3  | 904.1  | 875.2  | 869.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1046.6 | 1041.0 | 1021.7 | 992.8  | 986.5  |
| 115°   | 1226.8 | 1223.7 | 1201.2 | 1166.0 | 1162.9 |
| 117.5° | 1398.0 | 1408.0 | 1381.4 | 1344.3 | 1343.1 |
| 120°   | 1520.7 | 1533.2 | 1501.5 | 1469.4 | 1463.2 |
| 122.5° | 1640.8 | 1655.8 | 1624.2 | 1587.2 | 1588.4 |
| 125°   | 1824.2 | 1842.9 | 1805.0 | 1766.8 | 1769.9 |
| 127.5° | 2001.2 | 2024.3 | 1989.0 | 1950.1 | 1953.9 |
| 130°   | 2121.3 | 2149.4 | 2111.7 | 2070.3 | 2076.6 |
| 132.5° | 2244.0 | 2272.1 | 2234.4 | 2190.6 | 2201.8 |
| 135°   | 2431.2 | 2459.3 | 2418.4 | 2374.0 | 2389.7 |
| 137.5° | 2607.5 | 2635.6 | 2590.9 | 2553.6 | 2572.4 |
| 140°   | 2725.1 | 2753.2 | 2705.9 | 2671.2 | 2690.0 |
| 142.5° | 2840.1 | 2873.2 | 2823.5 | 2786.3 | 2810.1 |
| 145°   | 3012.6 | 3047.0 | 2999.8 | 2965.2 | 2987.1 |
| 147.5° | 3176.2 | 3210.6 | 3162.8 | 3129.4 | 3151.9 |
| 150°   | 3281.0 | 3315.3 | 3265.0 | 3236.8 | 3261.8 |
| 152.5° | 3378.1 | 3417.5 | 3364.7 | 3336.7 | 3369.2 |
| 155°   | 3523.8 | 3558.1 | 3507.8 | 3486.1 | 3514.2 |
| 157.5° | 3650.3 | 3690.3 | 3640.1 | 3621.4 | 3643.9 |
| 160°   | 3734.6 | 3772.1 | 3721.9 | 3703.3 | 3728.2 |
| 162.5° | 3798.5 | 3838.5 | 3790.9 | 3769.8 | 3799.8 |
| 165°   | 3894.4 | 3935.0 | 3884.8 | 3863.2 | 3897.6 |
| 167.5° | 3969.8 | 4012.9 | 3962.1 | 3939.9 | 3974.9 |
| 170°   | 4015.8 | 4056.4 | 4003.0 | 3978.3 | 4015.8 |
| 172.5° | 4046.4 | 4089.5 | 4033.7 | 4008.7 | 4033.7 |
| 175°   | 4079.7 | 4123.4 | 4070.1 | 4044.7 | 4054.1 |
| 177.5° | 4095.6 | 4130.6 | 4088.0 | 4065.6 | 4095.6 |
| 180°   | 4095.6 | 4095.6 | 4095.6 | 4095.6 | 4095.6 |



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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 | 14.70            | 15.40 | 15.81 | 16.51 | 18.03 | 13.60          | 14.30 | 14.71 | 15.41 | 16.93 |
|                 | 3H   | 16.33            | 16.96 | 17.45 | 18.08 | 19.62 | 15.12          | 15.75 | 16.24 | 16.86 | 18.40 |
|                 | 4H   | 16.95            | 17.55 | 18.08 | 18.67 | 20.21 | 15.68          | 16.28 | 16.81 | 17.39 | 18.94 |
|                 | 6H   | 17.35            | 17.90 | 18.49 | 19.01 | 20.57 | 16.05          | 16.60 | 17.18 | 17.71 | 19.27 |
|                 | 8H   | 17.49            | 18.02 | 18.63 | 19.15 | 20.70 | 16.18          | 16.70 | 17.32 | 17.84 | 19.39 |
|                 | 12H  | 17.56            | 18.06 | 18.71 | 19.18 | 20.76 | 16.24          | 16.74 | 17.38 | 17.86 | 19.44 |
| 4H              | 2H   | 15.09            | 15.69 | 16.23 | 16.80 | 18.35 | 14.22          | 14.81 | 15.35 | 15.93 | 17.48 |
|                 | 3H   | 16.95            | 17.44 | 18.09 | 18.58 | 20.14 | 15.94          | 16.43 | 17.08 | 17.57 | 19.14 |
|                 | 4H   | 17.68            | 18.14 | 18.83 | 19.27 | 20.85 | 16.60          | 17.06 | 17.75 | 18.19 | 19.77 |
|                 | 6H   | 18.20            | 18.59 | 19.35 | 19.74 | 21.31 | 17.07          | 17.46 | 18.22 | 18.61 | 20.19 |
|                 | 8H   | 18.40            | 18.76 | 19.55 | 19.91 | 21.49 | 17.26          | 17.62 | 18.41 | 18.77 | 20.35 |
|                 | 12H  | 18.50            | 18.83 | 19.66 | 19.98 | 21.57 | 17.34          | 17.67 | 18.50 | 18.82 | 20.42 |
| 8H              | 4H   | 17.83            | 18.19 | 18.98 | 19.34 | 20.93 | 16.86          | 17.23 | 18.01 | 18.37 | 19.96 |
|                 | 6H   | 18.46            | 18.77 | 19.63 | 19.95 | 21.54 | 17.46          | 17.76 | 18.63 | 18.95 | 20.53 |
|                 | 8H   | 18.75            | 19.02 | 19.93 | 20.18 | 21.79 | 17.74          | 18.00 | 18.91 | 19.16 | 20.77 |
|                 | 12H  | 18.92            | 19.15 | 20.10 | 20.31 | 21.95 | 17.88          | 18.11 | 19.06 | 19.27 | 20.91 |
| 12H             | 4H   | 17.80            | 18.13 | 18.97 | 19.29 | 20.88 | 16.86          | 17.19 | 18.03 | 18.35 | 19.94 |
|                 | 6H   | 18.49            | 18.75 | 19.67 | 19.92 | 21.52 | 17.52          | 17.79 | 18.70 | 18.95 | 20.56 |
|                 | 8H   | 18.80            | 19.03 | 19.98 | 20.19 | 21.83 | 17.82          | 18.05 | 19.00 | 19.22 | 20.85 |