

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: P1439565

Luminaire Tested: CB3-D-085U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439565  
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-085U-030D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

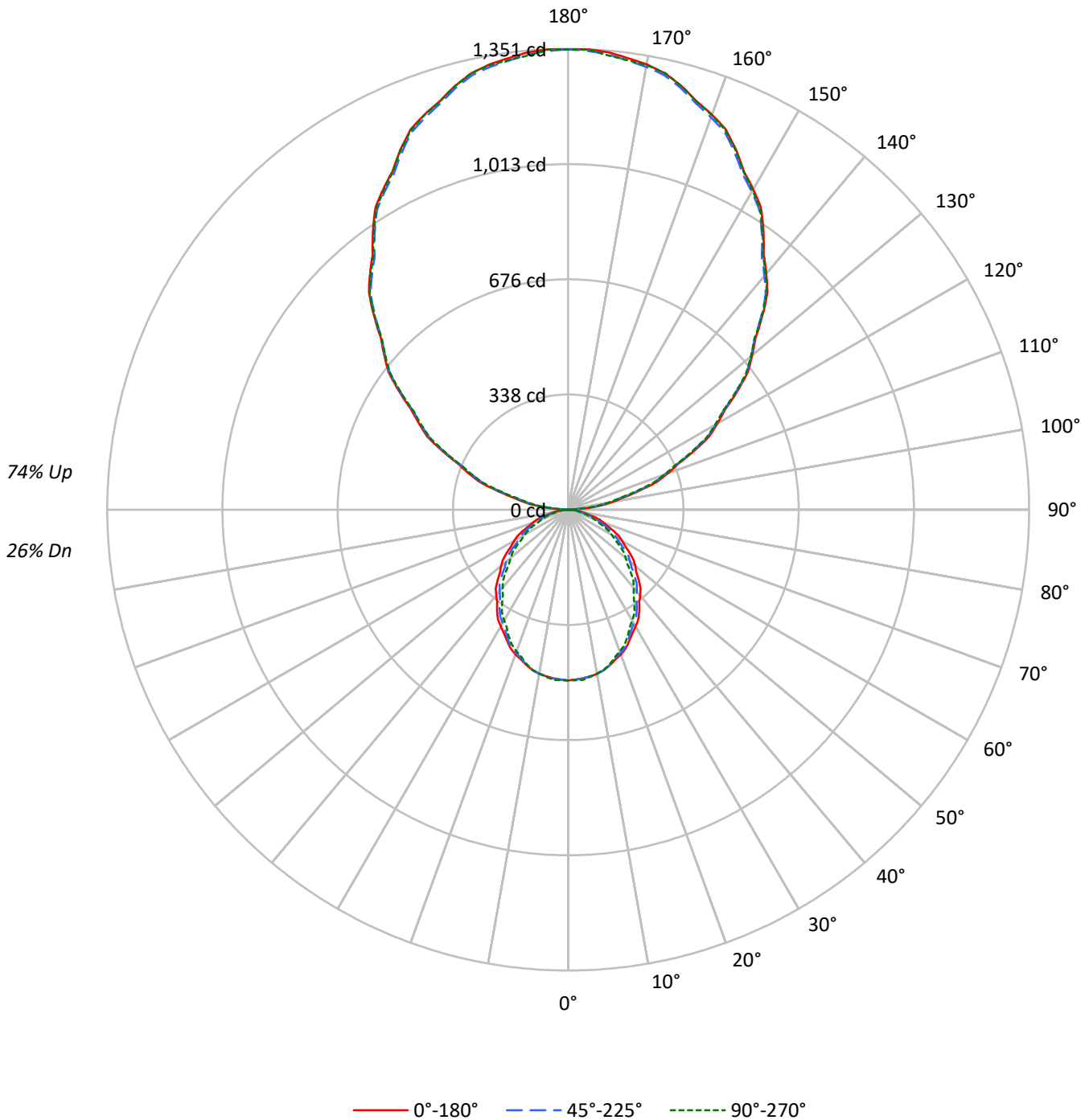
Lumens per Lamp: N/A  
Luminaire Lumens: 4674.5 lumens  
Efficiency: N/A  
Efficacy: 144.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 32.4  
Input Voltage (V): 120  
Input Current (Ain): 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   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 34 | 34 | 34 | 26 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 1   | 92  | 88  | 85  | 81  | 82 | 79 | 76 | 73 | 61 | 59 | 57 | 45 | 44 | 42 | 30 | 29 | 29 | 22 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 2   | 84  | 77  | 71  | 66  | 75 | 69 | 64 | 60 | 54 | 50 | 47 | 39 | 37 | 36 | 26 | 25 | 24 | 18 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 3   | 77  | 68  | 61  | 55  | 68 | 61 | 55 | 50 | 47 | 43 | 40 | 35 | 32 | 30 | 23 | 22 | 21 | 16 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 4   | 70  | 60  | 52  | 47  | 62 | 54 | 47 | 42 | 42 | 38 | 34 | 31 | 28 | 26 | 21 | 19 | 18 | 14 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 5   | 64  | 53  | 46  | 40  | 57 | 48 | 41 | 36 | 38 | 33 | 29 | 28 | 25 | 22 | 19 | 17 | 16 | 12 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 6   | 59  | 48  | 40  | 34  | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 14 | 10 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 7   | 55  | 43  | 35  | 30  | 49 | 39 | 32 | 27 | 30 | 26 | 22 | 23 | 20 | 17 | 16 | 14 | 12 | 9  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 8   | 51  | 39  | 31  | 26  | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 21 | 18 | 15 | 14 | 12 | 11 | 8  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 9   | 47  | 35  | 28  | 23  | 42 | 32 | 26 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 13 | 11 | 10 | 8  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 10  | 44  | 32  | 25  | 21  | 39 | 29 | 23 | 19 | 23 | 19 | 16 | 18 | 14 | 12 | 12 | 10 | 9  | 7  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5665 | 5665 | 5665 |
| 5°  | 5638 | 5643 | 5686 |
| 10° | 5614 | 5606 | 5606 |
| 15° | 5528 | 5528 | 5495 |
| 20° | 5439 | 5383 | 5323 |
| 25° | 5290 | 5223 | 5130 |
| 30° | 5159 | 5026 | 4905 |
| 35° | 5024 | 4837 | 4666 |
| 40° | 4843 | 4613 | 4413 |
| 45° | 4679 | 4412 | 4140 |
| 50° | 4510 | 4172 | 3873 |
| 55° | 4326 | 3941 | 3620 |
| 60° | 4128 | 3702 | 3333 |
| 65° | 3895 | 3430 | 3031 |
| 70° | 3626 | 3110 | 2699 |
| 75° | 3287 | 2732 | 2404 |
| 80° | 2867 | 2287 | 2124 |
| 85° | 2207 | 1934 | 1934 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4679 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.2   | 1.0       |
| 10°-20°   | 132.7  | 2.8       |
| 20°-30°   | 192.5  | 4.1       |
| 30°-40°   | 218.8  | 4.7       |
| 40°-50°   | 212.4  | 4.5       |
| 50°-60°   | 179.3  | 3.8       |
| 60°-70°   | 127.6  | 2.7       |
| 70°-80°   | 68.2   | 1.5       |
| 80°-90°   | 18.0   | 0.4       |
| 90°-100°  | 57.0   | 1.2       |
| 100°-110° | 223.1  | 4.8       |
| 110°-120° | 397.6  | 8.5       |
| 120°-130° | 538.1  | 11.5      |
| 130°-140° | 618.6  | 13.2      |
| 140°-150° | 620.8  | 13.3      |
| 150°-160° | 533.9  | 11.4      |
| 160°-170° | 361.4  | 7.7       |
| 170°-180° | 127.5  | 2.7       |
| 0°-30°    | 372.5  | 8.0       |
| 0°-40°    | 591.3  | 12.6      |
| 0°-60°    | 982.9  | 21.0      |
| 0°-90°    | 1196.6 | 25.6      |
| 90°-120°  | 677.7  | 14.5      |
| 90°-150°  | 2455.2 | 52.5      |
| 90°-180°  | 3478.0 | 74.4      |
| 0°-180°   | 4674.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 501  | 501   | 501  | 501   | 501  |      |
| 5°   | 496  | 503   | 497  | 496   | 501  | 47   |
| 15°  | 472  | 476   | 472  | 469   | 469  | 133  |
| 25°  | 424  | 425   | 418  | 413   | 411  | 195  |
| 35°  | 364  | 360   | 350  | 340   | 338  | 227  |
| 45°  | 292  | 288   | 276  | 262   | 259  | 226  |
| 55°  | 219  | 213   | 200  | 187   | 184  | 196  |
| 65°  | 146  | 140   | 128  | 117   | 113  | 144  |
| 75°  | 75   | 71    | 62   | 56    | 55   | 80   |
| 85°  | 17   | 16    | 15   | 15    | 15   | 20   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 3    |
| 95°  | 55   | 50    | 44   | 41    | 42   | 63   |
| 105° | 216  | 215   | 208  | 205   | 203  | 231  |
| 115° | 406  | 408   | 398  | 397   | 396  | 402  |
| 125° | 604  | 611   | 599  | 597   | 598  | 540  |
| 135° | 805  | 813   | 800  | 794   | 802  | 621  |
| 145° | 998  | 1006  | 989  | 984   | 993  | 623  |
| 155° | 1164 | 1174  | 1155 | 1150  | 1162 | 535  |
| 165° | 1285 | 1296  | 1279 | 1272  | 1285 | 362  |
| 175° | 1346 | 1358  | 1340 | 1332  | 1337 | 128  |
| 180° | 1349 | 1349  | 1349 | 1349  | 1349 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 500.7 | 500.7 | 500.7 | 500.7 | 500.7 |
| 2.5°   | 498.1 | 503.1 | 498.7 | 499.3 | 500.4 |
| 5°     | 496.4 | 502.6 | 496.8 | 496.1 | 500.6 |
| 7.5°   | 492.6 | 498.3 | 492.1 | 490.7 | 493.8 |
| 10°    | 488.6 | 494.8 | 487.9 | 486.1 | 487.9 |
| 12.5°  | 481.5 | 488.0 | 482.5 | 479.6 | 481.1 |
| 15°    | 471.9 | 476.1 | 471.9 | 469.1 | 469.1 |
| 17.5°  | 460.2 | 464.6 | 456.7 | 454.7 | 453.8 |
| 20°    | 451.7 | 455.5 | 447.1 | 444.2 | 442.1 |
| 22.5°  | 440.3 | 443.9 | 436.9 | 431.2 | 429.6 |
| 25°    | 423.7 | 425.1 | 418.4 | 412.6 | 410.9 |
| 27.5°  | 408.0 | 408.3 | 399.1 | 392.2 | 389.9 |
| 30°    | 394.9 | 395.3 | 384.7 | 377.2 | 375.4 |
| 32.5°  | 381.9 | 380.8 | 370.7 | 361.8 | 360.7 |
| 35°    | 363.7 | 360.2 | 350.2 | 339.9 | 337.8 |
| 37.5°  | 341.8 | 339.7 | 327.9 | 317.5 | 314.4 |
| 40°    | 327.9 | 324.4 | 312.3 | 301.9 | 298.8 |
| 42.5°  | 314.0 | 309.9 | 297.5 | 286.0 | 282.6 |
| 45°    | 292.4 | 287.9 | 275.7 | 262.5 | 258.7 |
| 47.5°  | 270.7 | 265.7 | 252.4 | 239.6 | 235.3 |
| 50°    | 256.2 | 251.0 | 237.0 | 224.5 | 220.0 |
| 52.5°  | 241.4 | 236.0 | 222.0 | 209.2 | 205.5 |
| 55°    | 219.3 | 213.4 | 199.8 | 186.9 | 183.5 |
| 57.5°  | 197.2 | 191.3 | 177.8 | 165.6 | 161.5 |
| 60°    | 182.4 | 176.8 | 163.6 | 151.4 | 147.3 |
| 62.5°  | 167.3 | 162.1 | 149.1 | 137.2 | 133.4 |
| 65°    | 145.5 | 140.3 | 128.1 | 116.7 | 113.2 |
| 67.5°  | 123.8 | 119.4 | 107.4 | 96.9  | 94.1  |
| 70°    | 109.6 | 105.5 | 94.0  | 84.4  | 81.6  |
| 72.5°  | 96.0  | 91.6  | 80.7  | 72.5  | 70.5  |
| 75°    | 75.2  | 71.1  | 62.5  | 56.0  | 55.0  |
| 77.5°  | 56.2  | 52.8  | 45.3  | 41.7  | 41.2  |
| 80°    | 44.0  | 40.9  | 35.1  | 32.6  | 32.6  |
| 82.5°  | 32.6  | 30.1  | 26.3  | 25.3  | 25.3  |
| 85°    | 17.0  | 15.6  | 14.9  | 14.9  | 14.9  |
| 87.5°  | 5.1   | 5.1   | 4.8   | 4.5   | 4.5   |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 14.9  | 13.3  | 8.3   | 6.6   | 6.6   |
| 95°    | 54.8  | 49.8  | 44.5  | 41.4  | 42.4  |
| 97.5°  | 101.2 | 96.3  | 89.8  | 86.7  | 87.5  |
| 100°   | 133.5 | 129.4 | 122.1 | 119.0 | 119.0 |
| 102.5° | 164.9 | 162.5 | 155.2 | 152.1 | 152.9 |
| 105°   | 216.3 | 215.2 | 208.0 | 204.8 | 202.8 |
| 107.5° | 273.0 | 271.1 | 263.0 | 262.8 | 261.0 |
| 110°   | 309.4 | 308.4 | 301.1 | 300.0 | 299.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 346.6  | 348.0  | 340.0  | 338.9  | 337.9  |
| 115°   | 405.6  | 407.6  | 398.4  | 397.3  | 396.3  |
| 117.5° | 466.0  | 468.9  | 459.0  | 457.9  | 456.1  |
| 120°   | 504.9  | 511.0  | 498.7  | 497.7  | 496.7  |
| 122.5° | 544.7  | 549.9  | 538.5  | 536.6  | 536.4  |
| 125°   | 604.3  | 611.3  | 599.1  | 597.0  | 598.1  |
| 127.5° | 663.9  | 671.2  | 659.7  | 655.6  | 657.9  |
| 130°   | 703.6  | 711.7  | 699.5  | 695.4  | 698.4  |
| 132.5° | 744.2  | 752.3  | 740.0  | 736.0  | 740.6  |
| 135°   | 805.0  | 813.1  | 799.8  | 793.8  | 801.9  |
| 137.5° | 864.4  | 871.5  | 856.9  | 852.8  | 861.3  |
| 140°   | 903.3  | 910.4  | 895.0  | 890.1  | 900.2  |
| 142.5° | 941.4  | 949.3  | 932.3  | 927.3  | 938.3  |
| 145°   | 997.5  | 1005.5 | 989.2  | 984.2  | 993.3  |
| 147.5° | 1051.3 | 1059.6 | 1043.0 | 1037.2 | 1046.5 |
| 150°   | 1084.4 | 1093.5 | 1076.1 | 1071.1 | 1081.3 |
| 152.5° | 1116.7 | 1126.6 | 1108.4 | 1102.7 | 1115.2 |
| 155°   | 1164.0 | 1174.2 | 1154.7 | 1149.8 | 1162.0 |
| 157.5° | 1206.7 | 1216.0 | 1198.4 | 1193.5 | 1204.0 |
| 160°   | 1232.3 | 1242.5 | 1224.1 | 1219.2 | 1231.3 |
| 162.5° | 1254.7 | 1264.8 | 1248.1 | 1241.5 | 1253.6 |
| 165°   | 1285.1 | 1296.2 | 1278.9 | 1272.0 | 1285.1 |
| 167.5° | 1310.6 | 1322.5 | 1304.1 | 1297.8 | 1311.0 |
| 170°   | 1325.5 | 1336.6 | 1318.2 | 1310.2 | 1323.4 |
| 172.5° | 1335.4 | 1346.5 | 1328.1 | 1320.1 | 1329.2 |
| 175°   | 1346.2 | 1358.3 | 1339.9 | 1331.8 | 1336.8 |
| 177.5° | 1350.9 | 1360.6 | 1345.9 | 1338.8 | 1350.1 |
| 180°   | 1349.3 | 1349.3 | 1349.3 | 1349.3 | 1349.3 |



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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 | 10.31            | 10.98 | 11.45 | 12.11 | 13.69 | 9.23           | 9.90  | 10.37 | 11.03 | 12.62 |
|                 | 3H   | 11.96            | 12.56 | 13.11 | 13.70 | 15.30 | 10.63          | 11.23 | 11.78 | 12.37 | 13.97 |
|                 | 4H   | 12.58            | 13.15 | 13.74 | 14.29 | 15.90 | 11.14          | 11.71 | 12.30 | 12.85 | 14.45 |
|                 | 6H   | 12.96            | 13.48 | 14.12 | 14.62 | 16.24 | 11.44          | 11.97 | 12.61 | 13.11 | 14.73 |
|                 | 8H   | 13.09            | 13.59 | 14.26 | 14.74 | 16.35 | 11.56          | 12.06 | 12.73 | 13.22 | 14.83 |
|                 | 12H  | 13.15            | 13.62 | 14.32 | 14.77 | 16.40 | 11.63          | 12.11 | 12.81 | 13.26 | 14.89 |
| 4H              | 2H   | 10.69            | 11.26 | 11.86 | 12.40 | 14.01 | 9.83           | 10.41 | 11.00 | 11.55 | 13.15 |
|                 | 3H   | 12.56            | 13.04 | 13.74 | 14.21 | 15.82 | 11.43          | 11.91 | 12.61 | 13.08 | 14.69 |
|                 | 4H   | 13.31            | 13.74 | 14.48 | 14.90 | 16.53 | 12.03          | 12.47 | 13.21 | 13.63 | 15.26 |
|                 | 6H   | 13.80            | 14.17 | 14.98 | 15.35 | 16.97 | 12.43          | 12.81 | 13.61 | 13.99 | 15.61 |
|                 | 8H   | 13.98            | 14.33 | 15.16 | 15.50 | 17.14 | 12.60          | 12.95 | 13.78 | 14.12 | 15.76 |
|                 | 12H  | 14.07            | 14.39 | 15.27 | 15.57 | 17.21 | 12.70          | 13.01 | 13.89 | 14.19 | 15.84 |
| 8H              | 4H   | 13.42            | 13.77 | 14.60 | 14.94 | 16.58 | 12.28          | 12.63 | 13.46 | 13.80 | 15.44 |
|                 | 6H   | 14.03            | 14.32 | 15.23 | 15.53 | 17.17 | 12.80          | 13.09 | 14.00 | 14.30 | 15.94 |
|                 | 8H   | 14.30            | 14.56 | 15.51 | 15.74 | 17.40 | 13.05          | 13.30 | 14.25 | 14.49 | 16.15 |
|                 | 12H  | 14.46            | 14.68 | 15.67 | 15.87 | 17.55 | 13.22          | 13.44 | 14.43 | 14.63 | 16.31 |
| 12H             | 4H   | 13.38            | 13.70 | 14.58 | 14.88 | 16.52 | 12.27          | 12.59 | 13.47 | 13.77 | 15.41 |
|                 | 6H   | 14.05            | 14.30 | 15.25 | 15.49 | 17.14 | 12.86          | 13.11 | 14.06 | 14.30 | 15.95 |
|                 | 8H   | 14.34            | 14.56 | 15.54 | 15.74 | 17.43 | 13.13          | 13.35 | 14.34 | 14.54 | 16.22 |