

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: P1438682

Luminaire Tested: CB2-055U-085D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438682  
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: CB2-055U-085D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

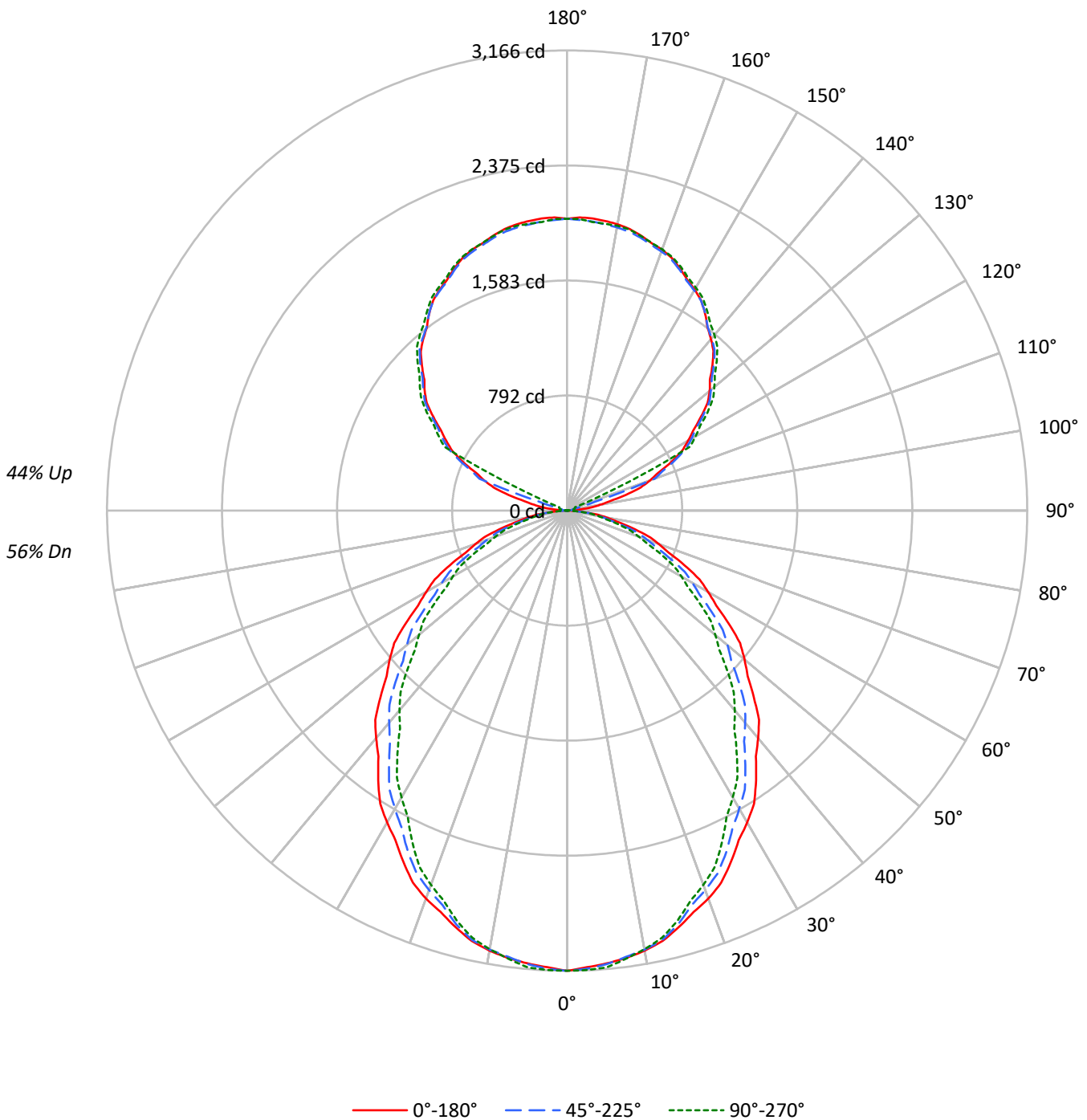
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13107.1 lumens  
Efficiency: N/A  
Efficacy: 139.7 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: General Diffuse  
  
Input Watts (W): 93.8  
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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 56 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 99  | 95  | 91  | 88  | 92  | 89  | 85  | 82  | 76 | 74 | 72 | 65 | 64 | 62 | 55 | 54 | 53 | 48 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 91  | 83  | 77  | 72  | 84  | 78  | 72  | 68  | 67 | 63 | 60 | 58 | 55 | 52 | 49 | 47 | 45 | 40 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 83  | 73  | 66  | 60  | 77  | 69  | 62  | 57  | 60 | 55 | 51 | 51 | 47 | 44 | 43 | 41 | 38 | 34 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 76  | 65  | 57  | 51  | 70  | 61  | 54  | 49  | 53 | 48 | 43 | 46 | 42 | 38 | 39 | 36 | 33 | 30 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 70  | 58  | 50  | 44  | 65  | 55  | 47  | 42  | 48 | 42 | 37 | 41 | 37 | 33 | 35 | 32 | 29 | 26 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 64  | 52  | 44  | 38  | 60  | 49  | 42  | 37  | 43 | 37 | 33 | 37 | 33 | 29 | 32 | 28 | 26 | 23 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 60  | 47  | 39  | 34  | 55  | 45  | 37  | 32  | 39 | 33 | 29 | 34 | 29 | 26 | 29 | 26 | 23 | 20 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 55  | 43  | 35  | 30  | 52  | 41  | 34  | 29  | 36 | 30 | 26 | 31 | 27 | 23 | 27 | 23 | 21 | 18 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 52  | 39  | 32  | 27  | 48  | 37  | 30  | 26  | 33 | 27 | 23 | 29 | 24 | 21 | 25 | 21 | 19 | 17 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 28  | 23  | 30 | 25 | 21 | 27 | 22 | 19 | 23 | 20 | 17 | 15 |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 27573 | 27573 | 27573 |
| 5°  | 27340 | 27382 | 27573 |
| 10° | 27184 | 27120 | 27099 |
| 15° | 26754 | 26579 | 26361 |
| 20° | 26333 | 25748 | 25389 |
| 25° | 25625 | 24904 | 24204 |
| 30° | 24916 | 23818 | 22916 |
| 35° | 24099 | 22707 | 21625 |
| 40° | 23235 | 21664 | 20395 |
| 45° | 22364 | 20573 | 19199 |
| 50° | 21580 | 19511 | 18033 |
| 55° | 20614 | 18405 | 16932 |
| 60° | 19509 | 17355 | 15834 |
| 65° | 18334 | 16186 | 14738 |
| 70° | 17037 | 14878 | 13335 |
| 75° | 15498 | 13459 | 12073 |
| 80° | 13862 | 11796 | 10943 |
| 85° | 10662 | 9692  | 7994  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22364 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 297.7   | 2.3       |
| 10°-20°   | 830.0   | 6.3       |
| 20°-30°   | 1193.4  | 9.1       |
| 30°-40°   | 1341.4  | 10.2      |
| 40°-50°   | 1295.7  | 9.9       |
| 50°-60°   | 1094.8  | 8.4       |
| 60°-70°   | 786.4   | 6.0       |
| 70°-80°   | 429.8   | 3.3       |
| 80°-90°   | 114.3   | 0.9       |
| 90°-100°  | 35.0    | 0.3       |
| 100°-110° | 222.6   | 1.7       |
| 110°-120° | 707.4   | 5.4       |
| 120°-130° | 1026.6  | 7.8       |
| 130°-140° | 1104.0  | 8.4       |
| 140°-150° | 1039.5  | 7.9       |
| 150°-160° | 846.8   | 6.5       |
| 160°-170° | 551.2   | 4.2       |
| 170°-180° | 190.5   | 1.5       |
| 0°-30°    | 2321.1  | 17.7      |
| 0°-40°    | 3662.5  | 27.9      |
| 0°-60°    | 6053.0  | 46.2      |
| 0°-90°    | 7383.5  | 56.3      |
| 90°-120°  | 965.0   | 7.4       |
| 90°-150°  | 4135.1  | 31.5      |
| 90°-180°  | 5724.0  | 43.7      |
| 0°-180°   | 13107.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 3166 | 3166  | 3166 | 3166  | 3166 |      |
| 5°   | 3127 | 3170  | 3132 | 3133  | 3154 | 297  |
| 15°  | 2967 | 2994  | 2948 | 2919  | 2924 | 836  |
| 25°  | 2667 | 2669  | 2592 | 2533  | 2519 | 1228 |
| 35°  | 2267 | 2241  | 2136 | 2053  | 2034 | 1416 |
| 45°  | 1816 | 1778  | 1670 | 1583  | 1559 | 1403 |
| 55°  | 1358 | 1308  | 1212 | 1136  | 1115 | 1214 |
| 65°  | 890  | 857   | 786  | 729   | 715  | 882  |
| 75°  | 461  | 432   | 400  | 368   | 359  | 493  |
| 85°  | 107  | 100   | 97   | 85    | 80   | 127  |
| 90°  | 0    | 0     | 0    | 2     | 2    | 7    |
| 95°  | 80   | 23    | 25   | 16    | 14   | 101  |
| 105° | 418  | 434   | 44   | 51    | 54   | 440  |
| 115° | 791  | 808   | 816  | 825   | 473  | 778  |
| 125° | 1123 | 1143  | 1144 | 1163  | 1179 | 1004 |
| 135° | 1414 | 1431  | 1428 | 1437  | 1456 | 1090 |
| 145° | 1655 | 1667  | 1656 | 1658  | 1679 | 1034 |
| 155° | 1838 | 1849  | 1829 | 1825  | 1851 | 847  |
| 165° | 1959 | 1965  | 1945 | 1937  | 1956 | 553  |
| 175° | 2018 | 2022  | 1996 | 1983  | 1993 | 192  |
| 180° | 2007 | 2007  | 2007 | 2007  | 2007 |      |

TEST NUMBER: P1438682

CATALOG NUMBER: CB2-055U-085D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 3166.2 | 3166.2 | 3166.2 | 3166.2 | 3166.2 |
| 2.5°   | 3144.9 | 3182.8 | 3154.6 | 3158.6 | 3164.3 |
| 5°     | 3127.4 | 3170.1 | 3132.3 | 3132.8 | 3154.1 |
| 7.5°   | 3105.1 | 3145.4 | 3097.9 | 3089.1 | 3109.0 |
| 10°    | 3074.1 | 3114.4 | 3066.8 | 3050.2 | 3064.4 |
| 12.5°  | 3033.4 | 3071.8 | 3026.1 | 2999.7 | 3012.0 |
| 15°    | 2967.4 | 2993.5 | 2948.0 | 2919.1 | 2923.8 |
| 17.5°  | 2895.7 | 2911.8 | 2846.2 | 2821.9 | 2817.1 |
| 20°    | 2841.4 | 2855.6 | 2778.3 | 2744.3 | 2739.5 |
| 22.5°  | 2771.5 | 2783.9 | 2702.7 | 2660.8 | 2654.2 |
| 25°    | 2666.8 | 2669.2 | 2591.7 | 2533.2 | 2518.9 |
| 27.5°  | 2557.2 | 2549.6 | 2463.7 | 2394.4 | 2375.9 |
| 30°    | 2477.7 | 2468.2 | 2368.6 | 2295.5 | 2278.9 |
| 32.5°  | 2392.4 | 2375.3 | 2275.5 | 2196.6 | 2180.0 |
| 35°    | 2266.8 | 2240.7 | 2135.9 | 2053.0 | 2034.1 |
| 37.5°  | 2133.0 | 2103.6 | 2000.6 | 1910.4 | 1889.1 |
| 40°    | 2043.8 | 2010.6 | 1905.6 | 1815.4 | 1794.0 |
| 42.5°  | 1954.5 | 1917.6 | 1810.5 | 1720.3 | 1697.1 |
| 45°    | 1815.9 | 1777.9 | 1670.4 | 1582.6 | 1558.9 |
| 47.5°  | 1684.0 | 1635.6 | 1531.2 | 1443.9 | 1420.2 |
| 50°    | 1592.8 | 1540.7 | 1440.1 | 1354.7 | 1331.0 |
| 52.5°  | 1499.7 | 1445.7 | 1348.9 | 1267.4 | 1243.7 |
| 55°    | 1357.7 | 1307.9 | 1212.2 | 1136.5 | 1115.2 |
| 57.5°  | 1217.0 | 1169.2 | 1081.8 | 1009.5 | 988.7  |
| 60°    | 1120.1 | 1079.8 | 996.4  | 928.1  | 909.1  |
| 62.5°  | 1027.0 | 990.5  | 911.1  | 848.6  | 829.6  |
| 65°    | 889.7  | 856.6  | 785.5  | 729.4  | 715.2  |
| 67.5°  | 756.4  | 723.2  | 665.7  | 615.4  | 599.3  |
| 70°    | 669.1  | 635.9  | 584.3  | 537.9  | 523.7  |
| 72.5°  | 585.7  | 550.6  | 508.6  | 466.2  | 455.8  |
| 75°    | 460.6  | 432.2  | 400.0  | 368.3  | 358.8  |
| 77.5°  | 350.1  | 322.6  | 299.2  | 276.8  | 274.4  |
| 80°    | 276.4  | 252.7  | 235.2  | 220.6  | 218.2  |
| 82.5°  | 206.6  | 188.5  | 177.0  | 166.3  | 165.8  |
| 85°    | 106.7  | 99.6   | 97.0   | 84.7   | 80.0   |
| 87.5°  | 31.0   | 31.0   | 27.2   | 23.6   | 23.6   |
| 90°    | 0.0    | 0.0    | 0.0    | 1.5    | 1.5    |
| 92.5°  | 22.1   | 8.4    | 5.8    | 8.4    | 8.4    |
| 95°    | 79.8   | 23.1   | 24.7   | 15.9   | 14.5   |
| 97.5°  | 165.8  | 37.2   | 35.7   | 39.2   | 40.6   |
| 100°   | 230.8  | 76.1   | 39.2   | 45.0   | 46.4   |
| 102.5° | 302.8  | 286.6  | 40.3   | 48.5   | 51.1   |
| 105°   | 418.0  | 433.6  | 43.5   | 50.9   | 53.7   |
| 107.5° | 531.2  | 546.8  | 202.6  | 52.6   | 55.4   |
| 110°   | 606.7  | 622.3  | 641.5  | 53.8   | 56.6   |



TEST NUMBER: P1438682

CATALOG NUMBER: CB2-055U-085D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 677.5  | 696.5  | 711.2  | 119.7  | 58.9   |
| 115°   | 791.0  | 808.1  | 815.7  | 825.1  | 473.2  |
| 117.5° | 891.2  | 912.2  | 920.8  | 937.1  | 953.0  |
| 120°   | 960.9  | 980.7  | 987.0  | 1003.3 | 1020.4 |
| 122.5° | 1029.4 | 1047.0 | 1050.8 | 1069.5 | 1085.4 |
| 125°   | 1123.4 | 1143.3 | 1143.7 | 1163.0 | 1178.6 |
| 127.5° | 1217.5 | 1234.5 | 1233.7 | 1248.0 | 1265.4 |
| 130°   | 1280.2 | 1291.5 | 1291.8 | 1303.8 | 1322.3 |
| 132.5° | 1332.4 | 1348.3 | 1348.7 | 1358.4 | 1376.8 |
| 135°   | 1413.7 | 1430.7 | 1428.2 | 1437.3 | 1455.8 |
| 137.5° | 1490.0 | 1506.5 | 1501.9 | 1509.6 | 1528.7 |
| 140°   | 1540.0 | 1554.2 | 1547.2 | 1555.0 | 1576.3 |
| 142.5° | 1586.4 | 1600.6 | 1590.2 | 1596.8 | 1619.2 |
| 145°   | 1654.6 | 1667.4 | 1656.1 | 1658.0 | 1679.3 |
| 147.5° | 1715.3 | 1727.8 | 1714.1 | 1716.0 | 1735.9 |
| 150°   | 1754.8 | 1766.1 | 1749.0 | 1750.9 | 1770.8 |
| 152.5° | 1789.6 | 1799.8 | 1781.5 | 1781.2 | 1804.4 |
| 155°   | 1837.5 | 1848.9 | 1828.8 | 1825.0 | 1850.6 |
| 157.5° | 1881.1 | 1891.6 | 1871.5 | 1868.7 | 1888.6 |
| 160°   | 1910.1 | 1917.2 | 1897.0 | 1893.1 | 1913.0 |
| 162.5° | 1929.8 | 1938.1 | 1917.9 | 1911.7 | 1931.6 |
| 165°   | 1959.4 | 1965.1 | 1944.9 | 1936.7 | 1956.5 |
| 167.5° | 1985.0 | 1991.5 | 1965.5 | 1958.2 | 1979.5 |
| 170°   | 2000.1 | 2004.3 | 1978.3 | 1968.6 | 1989.9 |
| 172.5° | 2009.4 | 2012.5 | 1986.4 | 1975.4 | 1989.9 |
| 175°   | 2017.5 | 2021.8 | 1995.7 | 1982.9 | 1992.8 |
| 177.5° | 2018.9 | 2021.2 | 2001.5 | 1990.3 | 2007.3 |
| 180°   | 2007.3 | 2007.3 | 2007.3 | 2007.3 | 2007.3 |



TEST NUMBER: P1438682

CATALOG NUMBER: CB2-055U-085D-940-1D-UNV-STD-W-8

**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 | 19.09            | 20.00 | 19.99 | 20.92 | 22.10 | 17.99          | 18.90 | 18.90 | 19.82 | 21.00 |
|                 | 3H   | 20.74            | 21.55 | 21.66 | 22.48 | 23.69 | 19.52          | 20.34 | 20.44 | 21.27 | 22.47 |
|                 | 4H   | 21.37            | 22.14 | 22.30 | 23.08 | 24.29 | 20.10          | 20.87 | 21.03 | 21.80 | 23.02 |
|                 | 6H   | 21.78            | 22.48 | 22.72 | 23.43 | 24.65 | 20.47          | 21.18 | 21.41 | 22.12 | 23.35 |
|                 | 8H   | 21.93            | 22.60 | 22.87 | 23.56 | 24.78 | 20.61          | 21.29 | 21.56 | 22.25 | 23.47 |
|                 | 12H  | 22.00            | 22.64 | 22.96 | 23.60 | 24.84 | 20.68          | 21.32 | 21.63 | 22.27 | 23.52 |
| 4H              | 2H   | 19.51            | 20.28 | 20.44 | 21.21 | 22.42 | 18.63          | 19.40 | 19.57 | 20.34 | 21.55 |
|                 | 3H   | 21.38            | 22.02 | 22.33 | 22.99 | 24.21 | 20.37          | 21.01 | 21.32 | 21.98 | 23.21 |
|                 | 4H   | 22.13            | 22.71 | 23.08 | 23.67 | 24.93 | 21.05          | 21.63 | 22.00 | 22.59 | 23.84 |
|                 | 6H   | 22.65            | 23.15 | 23.62 | 24.14 | 25.39 | 21.52          | 22.03 | 22.49 | 23.01 | 24.26 |
|                 | 8H   | 22.86            | 23.33 | 23.83 | 24.30 | 25.57 | 21.72          | 22.19 | 22.69 | 23.16 | 24.43 |
|                 | 12H  | 22.96            | 23.39 | 23.95 | 24.38 | 25.65 | 21.81          | 22.23 | 22.80 | 23.23 | 24.50 |
| 8H              | 4H   | 22.29            | 22.76 | 23.26 | 23.74 | 25.00 | 21.32          | 21.80 | 22.29 | 22.77 | 24.04 |
|                 | 6H   | 22.93            | 23.32 | 23.93 | 24.34 | 25.60 | 21.93          | 22.32 | 22.93 | 23.34 | 24.60 |
|                 | 8H   | 23.22            | 23.57 | 24.23 | 24.57 | 25.86 | 22.21          | 22.55 | 23.21 | 23.56 | 24.84 |
|                 | 12H  | 23.40            | 23.70 | 24.41 | 24.70 | 26.03 | 22.36          | 22.66 | 23.37 | 23.66 | 24.99 |
| 12H             | 4H   | 22.27            | 22.69 | 23.26 | 23.69 | 24.96 | 21.33          | 21.75 | 22.32 | 22.75 | 24.02 |
|                 | 6H   | 22.96            | 23.30 | 23.97 | 24.31 | 25.59 | 21.99          | 22.34 | 23.00 | 23.35 | 24.63 |
|                 | 8H   | 23.28            | 23.58 | 24.29 | 24.58 | 25.91 | 22.30          | 22.60 | 23.31 | 23.61 | 24.93 |