

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1051123

Luminaire Tested: S122DP-B865DB2750-4F0-XX-W2A-W\_3000K

Issue Date: 7/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1051123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-143-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/9/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DP-B865DB2750-4F0-XX-W2A-W\_3000K  
Description: Define 2 Direct Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3935.0 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 0.9 / 1.12  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

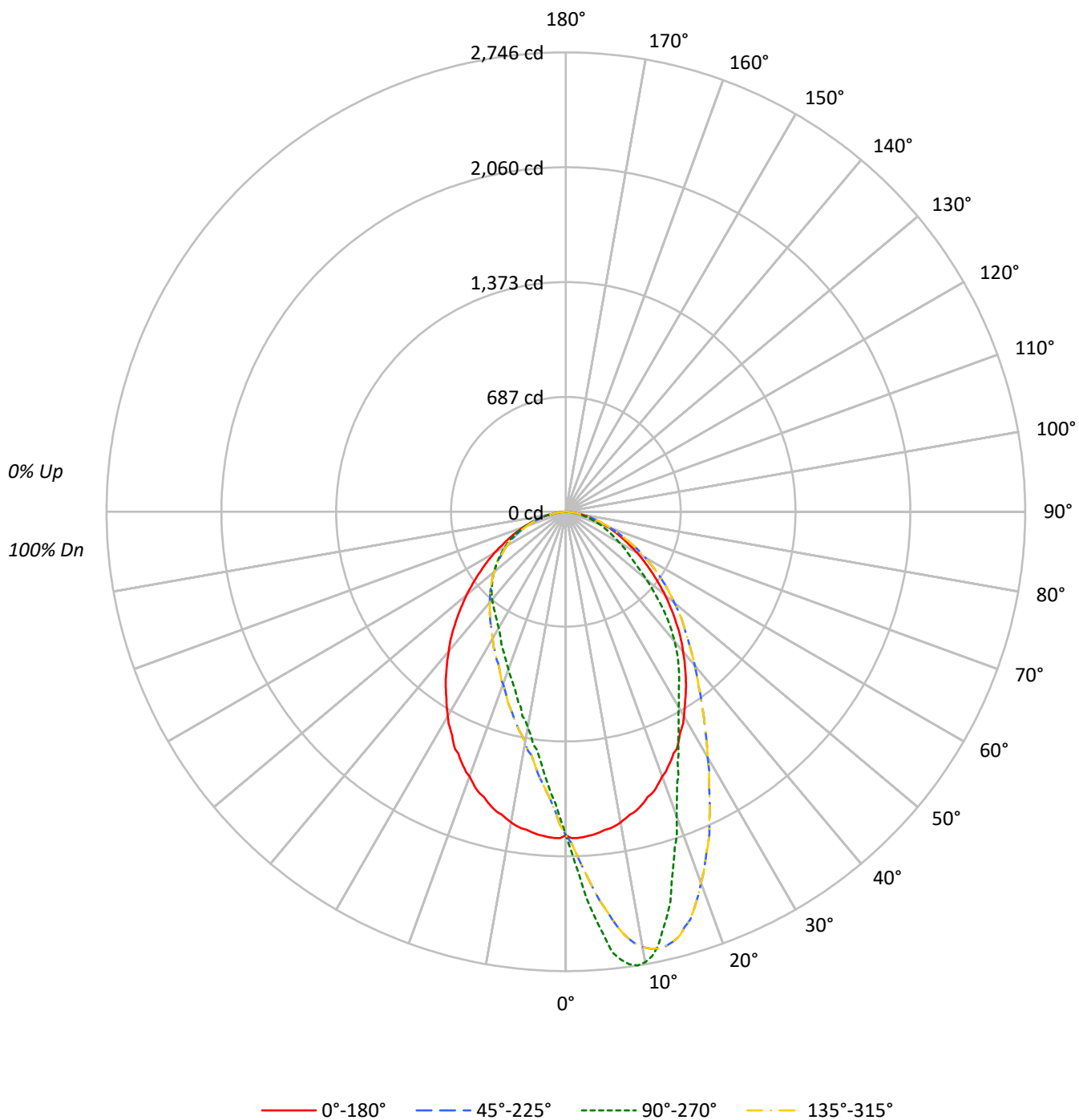
Input Watts (W): 46.8  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot



TEST NUMBER: P1051123

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 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 | 0  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |    |    |    |
| 2   | 101 | 94  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |    |    |    |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |    |    |    |
| 4   | 86  | 75  | 67  | 60  | 83  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 56  |    |    |    |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 49  |    |    |    |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 47  | 59  | 52  | 46  | 57  | 51  | 46  | 55  | 50  | 46  | 44  |    |    |    |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 47  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 39  |    |    |    |
| 8   | 64  | 51  | 43  | 38  | 63  | 51  | 43  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |    |    |    |
| 9   | 60  | 48  | 40  | 35  | 59  | 47  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |    |
| 10  | 57  | 44  | 37  | 32  | 55  | 44  | 36  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 30  |    |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 30614 | 30614 | 30614 | 30614 |
| 5°  | 30774 | 40150 | 30774 | 24628 |
| 10° | 30316 | 43948 | 30316 | 21023 |
| 15° | 29493 | 39535 | 29493 | 18646 |
| 20° | 28369 | 32624 | 28369 | 16906 |
| 25° | 27370 | 27882 | 27370 | 15670 |
| 30° | 25801 | 24659 | 25801 | 14674 |
| 35° | 24196 | 22808 | 24196 | 14255 |
| 40° | 22521 | 20874 | 22521 | 14173 |
| 45° | 20828 | 18388 | 20828 | 13985 |
| 50° | 19083 | 15482 | 19083 | 13813 |
| 55° | 17240 | 13023 | 17240 | 13572 |
| 60° | 15655 | 11739 | 15655 | 13297 |
| 65° | 13941 | 10656 | 13941 | 13046 |
| 70° | 12552 | 9599  | 12552 | 12366 |
| 75° | 10734 | 8373  | 10734 | 11302 |
| 80° | 8724  | 7028  | 8724  | 9453  |
| 85° | 6520  | 5303  | 6520  | 6756  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 33207 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 190.3  | 4.8       |
| 10°-20°   | 522.4  | 13.3      |
| 20°-30°   | 685.0  | 17.4      |
| 30°-40°   | 724.0  | 18.4      |
| 40°-50°   | 672.2  | 17.1      |
| 50°-60°   | 538.0  | 13.7      |
| 60°-70°   | 368.0  | 9.4       |
| 70°-80°   | 189.9  | 4.8       |
| 80°-90°   | 45.1   | 1.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1397.7 | 35.5      |
| 0°-40°    | 2121.8 | 53.9      |
| 0°-60°    | 3332.0 | 84.7      |
| 0°-90°    | 3935.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3935.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1934 | 1934 | 1934 | 1934 | 1934 |      |
| 5°  | 1937 | 2527 | 1937 | 1550 | 1937 | 183  |
| 15° | 1800 | 2412 | 1800 | 1138 | 1800 | 506  |
| 25° | 1567 | 1596 | 1567 | 897  | 1567 | 716  |
| 35° | 1252 | 1180 | 1252 | 738  | 1252 | 782  |
| 45° | 930  | 821  | 930  | 625  | 930  | 718  |
| 55° | 625  | 472  | 625  | 492  | 625  | 561  |
| 65° | 372  | 284  | 372  | 348  | 372  | 371  |
| 75° | 176  | 137  | 176  | 185  | 176  | 188  |
| 85° | 36   | 29   | 36   | 37   | 36   | 44   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 |
| 1°    | 1951.3 | 1985.8 | 1983.2 | 2029.7 | 2040.3 | 2029.7 | 1983.2 | 1985.8 | 1951.3 | 1912.7 | 1876.8 |
| 2°    | 1951.3 | 2029.7 | 2065.6 | 2138.7 | 2160.0 | 2138.7 | 2065.6 | 2029.7 | 1951.3 | 1868.9 | 1794.4 |
| 3°    | 1948.6 | 2068.2 | 2153.3 | 2254.3 | 2304.8 | 2254.3 | 2153.3 | 2068.2 | 1948.6 | 1829.0 | 1726.6 |
| 4°    | 1942.0 | 2108.1 | 2242.4 | 2376.6 | 2421.8 | 2376.6 | 2242.4 | 2108.1 | 1942.0 | 1790.4 | 1674.8 |
| 5°    | 1936.7 | 2158.6 | 2335.4 | 2497.6 | 2526.8 | 2497.6 | 2335.4 | 2158.6 | 1936.7 | 1753.2 | 1624.3 |
| 6°    | 1927.3 | 2209.1 | 2409.9 | 2588.0 | 2647.8 | 2588.0 | 2409.9 | 2209.1 | 1927.3 | 1717.3 | 1579.1 |
| 7°    | 1915.4 | 2242.4 | 2493.6 | 2659.7 | 2697.0 | 2659.7 | 2493.6 | 2242.4 | 1915.4 | 1676.1 | 1521.9 |
| 8°    | 1910.1 | 2296.9 | 2560.1 | 2716.9 | 2731.5 | 2716.9 | 2560.1 | 2296.9 | 1910.1 | 1637.6 | 1471.4 |
| 9°    | 1900.8 | 2319.5 | 2607.9 | 2734.2 | 2746.1 | 2734.2 | 2607.9 | 2319.5 | 1900.8 | 1617.6 | 1446.2 |
| 10°   | 1886.1 | 2354.0 | 2642.5 | 2739.5 | 2734.2 | 2739.5 | 2642.5 | 2354.0 | 1886.1 | 1576.4 | 1403.6 |
| 11°   | 1867.5 | 2393.9 | 2661.1 | 2719.6 | 2706.3 | 2719.6 | 2661.1 | 2393.9 | 1867.5 | 1543.2 | 1365.1 |
| 12°   | 1850.3 | 2421.8 | 2669.0 | 2682.3 | 2653.1 | 2682.3 | 2669.0 | 2421.8 | 1850.3 | 1514.0 | 1338.5 |
| 13°   | 1839.6 | 2433.8 | 2663.7 | 2635.8 | 2570.7 | 2635.8 | 2663.7 | 2433.8 | 1839.6 | 1480.7 | 1305.3 |
| 14°   | 1821.0 | 2460.4 | 2649.1 | 2564.0 | 2496.2 | 2564.0 | 2649.1 | 2460.4 | 1821.0 | 1443.5 | 1274.7 |
| 15°   | 1799.7 | 2468.3 | 2625.2 | 2490.9 | 2412.5 | 2490.9 | 2625.2 | 2468.3 | 1799.7 | 1412.9 | 1242.8 |
| 16°   | 1774.5 | 2477.6 | 2581.3 | 2400.5 | 2295.5 | 2400.5 | 2581.3 | 2477.6 | 1774.5 | 1378.4 | 1213.6 |
| 17°   | 1761.2 | 2483.0 | 2548.1 | 2311.5 | 2198.5 | 2311.5 | 2548.1 | 2483.0 | 1761.2 | 1351.8 | 1188.3 |
| 18°   | 1739.9 | 2479.0 | 2488.3 | 2237.1 | 2109.5 | 2237.1 | 2488.3 | 2479.0 | 1739.9 | 1321.2 | 1151.1 |
| 19°   | 1710.7 | 2469.7 | 2428.5 | 2142.7 | 2039.0 | 2142.7 | 2428.5 | 2469.7 | 1710.7 | 1292.0 | 1123.2 |
| 20°   | 1684.1 | 2465.7 | 2362.0 | 2056.3 | 1936.7 | 2056.3 | 2362.0 | 2465.7 | 1684.1 | 1265.4 | 1096.6 |
| 21°   | 1665.5 | 2452.4 | 2300.9 | 1973.9 | 1851.6 | 1973.9 | 2300.9 | 2452.4 | 1665.5 | 1240.1 | 1076.7 |
| 22.5° | 1624.3 | 2427.1 | 2198.5 | 1847.6 | 1739.9 | 1847.6 | 2198.5 | 2427.1 | 1624.3 | 1197.6 | 1032.8 |
| 23°   | 1612.3 | 2419.2 | 2171.9 | 1818.4 | 1726.6 | 1818.4 | 2171.9 | 2419.2 | 1612.3 | 1188.3 | 1018.2 |
| 24°   | 1581.8 | 2393.9 | 2109.5 | 1739.9 | 1642.9 | 1739.9 | 2109.5 | 2393.9 | 1581.8 | 1159.1 | 994.2  |
| 25°   | 1567.1 | 2370.0 | 2032.4 | 1676.1 | 1596.4 | 1676.1 | 2032.4 | 2370.0 | 1567.1 | 1132.5 | 978.3  |
| 26°   | 1535.2 | 2335.4 | 1963.2 | 1623.0 | 1531.2 | 1623.0 | 1963.2 | 2335.4 | 1535.2 | 1108.6 | 953.0  |
| 27°   | 1498.0 | 2310.2 | 1891.5 | 1560.5 | 1483.4 | 1560.5 | 1891.5 | 2310.2 | 1498.0 | 1083.3 | 933.1  |
| 28°   | 1471.4 | 2269.0 | 1822.3 | 1511.3 | 1436.9 | 1511.3 | 1822.3 | 2269.0 | 1471.4 | 1055.4 | 918.5  |
| 29°   | 1446.2 | 2237.1 | 1766.5 | 1454.2 | 1389.0 | 1454.2 | 1766.5 | 2237.1 | 1446.2 | 1031.5 | 895.9  |
| 30°   | 1411.6 | 2194.5 | 1696.1 | 1409.0 | 1349.1 | 1409.0 | 1696.1 | 2194.5 | 1411.6 | 1003.6 | 875.9  |
| 32.5° | 1329.2 | 2093.5 | 1552.5 | 1307.9 | 1257.4 | 1307.9 | 1552.5 | 2093.5 | 1329.2 | 947.7  | 828.1  |
| 35°   | 1252.1 | 1980.5 | 1420.9 | 1213.6 | 1180.3 | 1213.6 | 1420.9 | 1980.5 | 1252.1 | 887.9  | 789.5  |
| 37.5° | 1171.0 | 1862.2 | 1301.3 | 1131.2 | 1099.3 | 1131.2 | 1301.3 | 1862.2 | 1171.0 | 833.4  | 745.7  |
| 40°   | 1089.9 | 1745.2 | 1198.9 | 1052.7 | 1010.2 | 1052.7 | 1198.9 | 1745.2 | 1089.9 | 780.2  | 707.1  |
| 42.5° | 1014.2 | 1608.3 | 1099.3 | 970.3  | 921.1  | 970.3  | 1099.3 | 1608.3 | 1014.2 | 729.7  | 669.9  |
| 45°   | 930.4  | 1483.4 | 1010.2 | 883.9  | 821.4  | 883.9  | 1010.2 | 1483.4 | 930.4  | 681.9  | 632.7  |
| 47.5° | 850.7  | 1354.5 | 933.1  | 797.5  | 717.8  | 797.5  | 933.1  | 1354.5 | 850.7  | 634.0  | 596.8  |
| 50°   | 774.9  | 1229.5 | 846.7  | 700.5  | 628.7  | 700.5  | 846.7  | 1229.5 | 774.9  | 590.2  | 559.6  |
| 52.5° | 697.8  | 1112.5 | 770.9  | 612.8  | 541.0  | 612.8  | 770.9  | 1112.5 | 697.8  | 550.3  | 523.7  |
| 55°   | 624.7  | 990.3  | 695.2  | 527.7  | 471.9  | 527.7  | 695.2  | 990.3  | 624.7  | 503.8  | 482.5  |
| 57.5° | 556.9  | 873.3  | 620.7  | 461.2  | 424.0  | 461.2  | 620.7  | 873.3  | 556.9  | 458.6  | 445.3  |
| 60°   | 494.5  | 765.6  | 547.6  | 400.1  | 370.8  | 400.1  | 547.6  | 765.6  | 494.5  | 414.7  | 408.1  |
| 62.5° | 426.7  | 668.6  | 478.5  | 348.3  | 323.0  | 348.3  | 478.5  | 668.6  | 426.7  | 372.2  | 369.5  |
| 65°   | 372.2  | 570.2  | 406.7  | 301.7  | 284.5  | 301.7  | 406.7  | 570.2  | 372.2  | 329.6  | 328.3  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 317.7 | 477.2 | 344.3 | 257.9 | 244.6 | 257.9  | 344.3 | 477.2  | 317.7 | 287.1  | 287.1 |
| 70°   | 271.2 | 393.4 | 284.5 | 218.0 | 207.4 | 218.0  | 284.5 | 393.4  | 271.2 | 244.6  | 245.9 |
| 72.5° | 219.3 | 316.4 | 231.3 | 178.1 | 168.8 | 178.1  | 231.3 | 316.4  | 219.3 | 204.7  | 208.7 |
| 75°   | 175.5 | 249.9 | 182.1 | 143.6 | 136.9 | 143.6  | 182.1 | 249.9  | 175.5 | 163.5  | 168.8 |
| 77.5° | 134.2 | 183.4 | 134.2 | 110.3 | 105.0 | 110.3  | 134.2 | 183.4  | 134.2 | 127.6  | 132.9 |
| 80°   | 95.7  | 128.9 | 95.7  | 78.4  | 77.1  | 78.4   | 95.7  | 128.9  | 95.7  | 91.7   | 98.4  |
| 82.5° | 63.8  | 82.4  | 62.5  | 53.2  | 50.5  | 53.2   | 62.5  | 82.4   | 63.8  | 62.5   | 65.1  |
| 85°   | 35.9  | 45.2  | 34.6  | 30.6  | 29.2  | 30.6   | 34.6  | 45.2   | 35.9  | 35.9   | 38.5  |
| 87.5° | 16.0  | 17.3  | 14.6  | 13.3  | 12.0  | 13.3   | 14.6  | 17.3   | 16.0  | 17.3   | 17.3  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 | 1934.0 |
| 1°    | 1854.2 | 1835.6 | 1854.2 | 1876.8 | 1912.7 | 1951.3 |
| 2°    | 1774.5 | 1749.2 | 1774.5 | 1794.4 | 1868.9 | 1951.3 |
| 3°    | 1690.8 | 1686.8 | 1690.8 | 1726.6 | 1829.0 | 1948.6 |
| 4°    | 1636.3 | 1617.6 | 1636.3 | 1674.8 | 1790.4 | 1942.0 |
| 5°    | 1571.1 | 1549.9 | 1571.1 | 1624.3 | 1753.2 | 1936.7 |
| 6°    | 1515.3 | 1486.1 | 1515.3 | 1579.1 | 1717.3 | 1927.3 |
| 7°    | 1452.8 | 1431.6 | 1452.8 | 1521.9 | 1676.1 | 1915.4 |
| 8°    | 1428.9 | 1403.6 | 1428.9 | 1471.4 | 1637.6 | 1910.1 |
| 9°    | 1375.7 | 1347.8 | 1375.7 | 1446.2 | 1617.6 | 1900.8 |
| 10°   | 1342.5 | 1307.9 | 1342.5 | 1403.6 | 1576.4 | 1886.1 |
| 11°   | 1302.6 | 1269.4 | 1302.6 | 1365.1 | 1543.2 | 1867.5 |
| 12°   | 1278.7 | 1249.5 | 1278.7 | 1338.5 | 1514.0 | 1850.3 |
| 13°   | 1236.2 | 1198.9 | 1236.2 | 1305.3 | 1480.7 | 1839.6 |
| 14°   | 1205.6 | 1173.7 | 1205.6 | 1274.7 | 1443.5 | 1821.0 |
| 15°   | 1167.0 | 1137.8 | 1167.0 | 1242.8 | 1412.9 | 1799.7 |
| 16°   | 1141.8 | 1103.2 | 1141.8 | 1213.6 | 1378.4 | 1774.5 |
| 17°   | 1103.2 | 1078.0 | 1103.2 | 1188.3 | 1351.8 | 1761.2 |
| 18°   | 1075.3 | 1051.4 | 1075.3 | 1151.1 | 1321.2 | 1739.9 |
| 19°   | 1055.4 | 1027.5 | 1055.4 | 1123.2 | 1292.0 | 1710.7 |
| 20°   | 1027.5 | 1003.6 | 1027.5 | 1096.6 | 1265.4 | 1684.1 |
| 21°   | 1000.9 | 979.6  | 1000.9 | 1076.7 | 1240.1 | 1665.5 |
| 22.5° | 975.6  | 946.4  | 975.6  | 1032.8 | 1197.6 | 1624.3 |
| 23°   | 961.0  | 937.1  | 961.0  | 1018.2 | 1188.3 | 1612.3 |
| 24°   | 943.7  | 915.8  | 943.7  | 994.2  | 1159.1 | 1581.8 |
| 25°   | 921.1  | 897.2  | 921.1  | 978.3  | 1132.5 | 1567.1 |
| 26°   | 901.2  | 878.6  | 901.2  | 953.0  | 1108.6 | 1535.2 |
| 27°   | 881.3  | 853.4  | 881.3  | 933.1  | 1083.3 | 1498.0 |
| 28°   | 864.0  | 837.4  | 864.0  | 918.5  | 1055.4 | 1471.4 |
| 29°   | 841.4  | 816.1  | 841.4  | 895.9  | 1031.5 | 1446.2 |
| 30°   | 825.4  | 802.8  | 825.4  | 875.9  | 1003.6 | 1411.6 |
| 32.5° | 781.6  | 768.3  | 781.6  | 828.1  | 947.7  | 1329.2 |
| 35°   | 744.4  | 737.7  | 744.4  | 789.5  | 887.9  | 1252.1 |
| 37.5° | 716.4  | 711.1  | 716.4  | 745.7  | 833.4  | 1171.0 |
| 40°   | 684.5  | 685.9  | 684.5  | 707.1  | 780.2  | 1089.9 |
| 42.5° | 654.0  | 656.6  | 654.0  | 669.9  | 729.7  | 1014.2 |
| 45°   | 624.7  | 624.7  | 624.7  | 632.7  | 681.9  | 930.4  |
| 47.5° | 591.5  | 594.2  | 591.5  | 596.8  | 634.0  | 850.7  |
| 50°   | 558.3  | 560.9  | 558.3  | 559.6  | 590.2  | 774.9  |
| 52.5° | 523.7  | 526.4  | 523.7  | 523.7  | 550.3  | 697.8  |
| 55°   | 486.5  | 491.8  | 486.5  | 482.5  | 503.8  | 624.7  |
| 57.5° | 447.9  | 454.6  | 447.9  | 445.3  | 458.6  | 556.9  |
| 60°   | 413.4  | 420.0  | 413.4  | 408.1  | 414.7  | 494.5  |
| 62.5° | 377.5  | 384.1  | 377.5  | 369.5  | 372.2  | 426.7  |
| 65°   | 340.3  | 348.3  | 340.3  | 328.3  | 329.6  | 372.2  |





TEST NUMBER: P1051123

CATALOG NUMBER: S122DP-B865DB2750-4F0-XX-W2A-W\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 300.4  | 307.0 | 300.4  | 287.1 | 287.1  | 317.7 |
| 70°   | 261.9  | 267.2 | 261.9  | 245.9 | 244.6  | 271.2 |
| 72.5° | 222.0  | 227.3 | 222.0  | 208.7 | 204.7  | 219.3 |
| 75°   | 180.8  | 184.8 | 180.8  | 168.8 | 163.5  | 175.5 |
| 77.5° | 143.6  | 143.6 | 143.6  | 132.9 | 127.6  | 134.2 |
| 80°   | 103.7  | 103.7 | 103.7  | 98.4  | 91.7   | 95.7  |
| 82.5° | 69.1   | 69.1  | 69.1   | 65.1  | 62.5   | 63.8  |
| 85°   | 38.5   | 37.2  | 38.5   | 38.5  | 35.9   | 35.9  |
| 87.5° | 14.6   | 16.0  | 14.6   | 17.3  | 17.3   | 16.0  |
| 90°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

TEST NUMBER: P1051123

CATALOG NUMBER: S122DP-B865DB2750-4F0-XX-W2A-W\_3000K

**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 | 22.75            | 24.27 | 23.12 | 24.59 | 24.90 | 20.06          | 21.59 | 20.43 | 21.90 | 22.21 |
|                 | 3H   | 23.97            | 25.33 | 24.34 | 25.66 | 26.02 | 21.39          | 22.76 | 21.77 | 23.09 | 23.45 |
|                 | 4H   | 24.36            | 25.64 | 24.76 | 25.99 | 26.37 | 21.85          | 23.13 | 22.25 | 23.48 | 23.86 |
|                 | 6H   | 24.60            | 25.79 | 25.02 | 26.16 | 26.55 | 22.15          | 23.34 | 22.56 | 23.70 | 24.10 |
|                 | 8H   | 24.66            | 25.79 | 25.09 | 26.18 | 26.58 | 22.23          | 23.36 | 22.66 | 23.75 | 24.15 |
|                 | 12H  | 24.69            | 25.77 | 25.12 | 26.15 | 26.58 | 22.27          | 23.35 | 22.70 | 23.74 | 24.17 |
| 4H              | 2H   | 23.04            | 24.32 | 23.44 | 24.67 | 25.05 | 21.03          | 22.31 | 21.43 | 22.66 | 23.04 |
|                 | 3H   | 24.53            | 25.60 | 24.94 | 26.00 | 26.40 | 22.49          | 23.56 | 22.90 | 23.96 | 24.36 |
|                 | 4H   | 25.09            | 26.05 | 25.52 | 26.47 | 26.90 | 23.01          | 23.97 | 23.44 | 24.38 | 24.82 |
|                 | 6H   | 25.46            | 26.29 | 25.92 | 26.73 | 27.19 | 23.38          | 24.22 | 23.84 | 24.66 | 25.12 |
|                 | 8H   | 25.55            | 26.33 | 26.01 | 26.77 | 27.24 | 23.48          | 24.26 | 23.95 | 24.71 | 25.17 |
|                 | 12H  | 25.60            | 26.30 | 26.09 | 26.78 | 27.25 | 23.55          | 24.24 | 24.03 | 24.72 | 25.19 |
| 8H              | 4H   | 25.23            | 26.01 | 25.69 | 26.45 | 26.92 | 23.42          | 24.20 | 23.88 | 24.64 | 25.11 |
|                 | 6H   | 25.69            | 26.34 | 26.19 | 26.83 | 27.31 | 23.86          | 24.51 | 24.36 | 25.00 | 25.48 |
|                 | 8H   | 25.84            | 26.42 | 26.36 | 26.93 | 27.42 | 24.01          | 24.58 | 24.52 | 25.09 | 25.58 |
|                 | 12H  | 25.95            | 26.46 | 26.46 | 26.95 | 27.51 | 24.11          | 24.62 | 24.62 | 25.11 | 25.68 |
| 12H             | 4H   | 25.23            | 25.92 | 25.71 | 26.40 | 26.87 | 23.46          | 24.16 | 23.94 | 24.63 | 25.11 |
|                 | 6H   | 25.70            | 26.28 | 26.21 | 26.79 | 27.27 | 23.92          | 24.50 | 24.44 | 25.01 | 25.50 |
|                 | 8H   | 25.89            | 26.40 | 26.40 | 26.89 | 27.45 | 24.11          | 24.62 | 24.62 | 25.12 | 25.68 |