

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: P1051126

Luminaire Tested: S122DP-B865DB2750-4F0-XX-W2A-W\_5000K

Issue Date: 7/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1051126  
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\_5000K  
Description: Define 2 Direct Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3784.0 lumens  
Efficiency: N/A  
Efficacy: 80.9 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

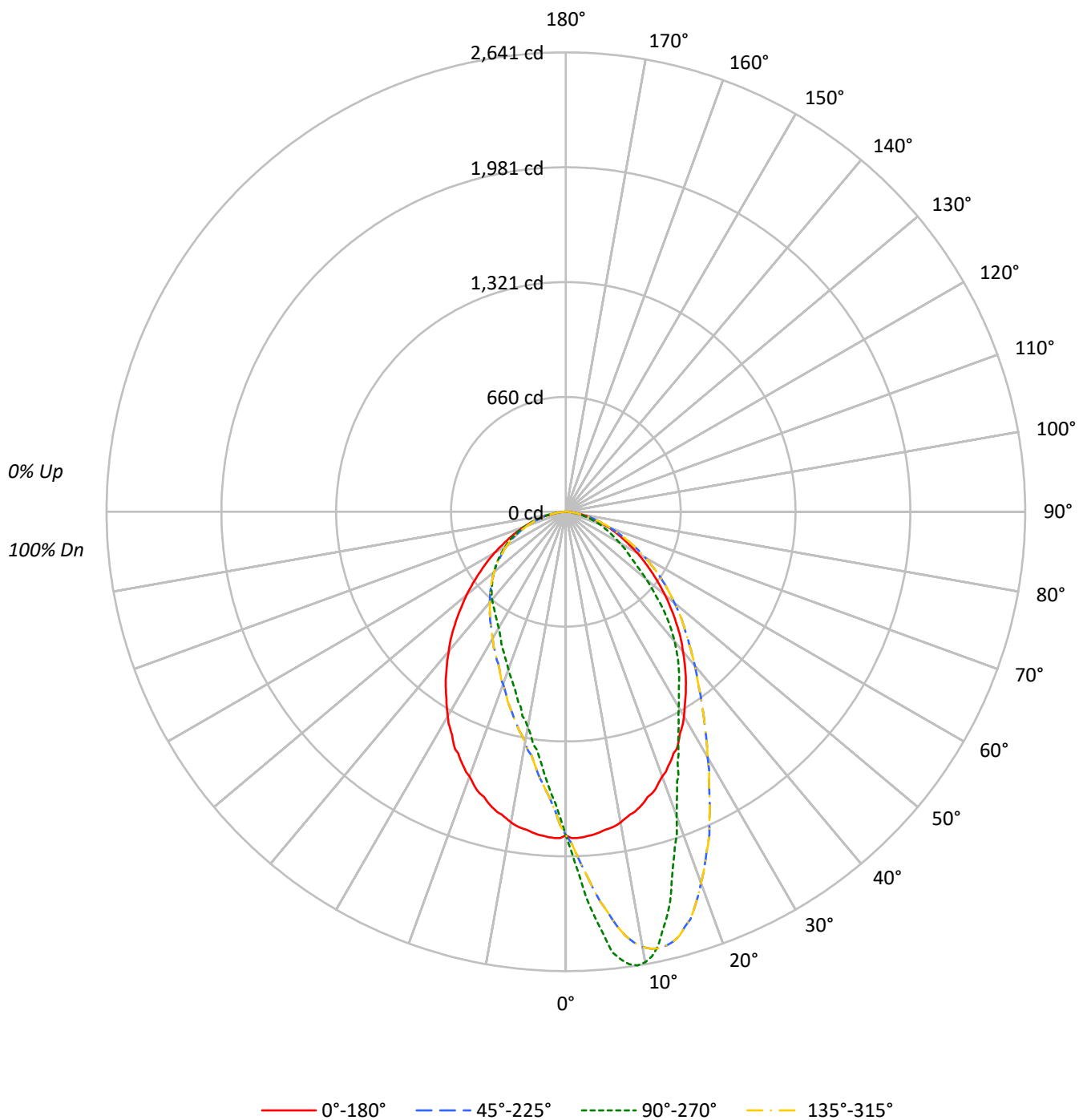
Input Watts (W): 46.8  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P1051126

CATALOG NUMBER: S122DP-B865DB2750-4F0-XX-W2A-W\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1051126

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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°  | 29439 | 29439 | 29439 | 29439 |
| 5°  | 29591 | 38611 | 29591 | 23682 |
| 10° | 29154 | 42262 | 29154 | 20216 |
| 15° | 28362 | 38018 | 28362 | 17930 |
| 20° | 27281 | 31371 | 27281 | 16256 |
| 25° | 26321 | 26812 | 26321 | 15069 |
| 30° | 24811 | 23714 | 24811 | 14111 |
| 35° | 23268 | 21933 | 23268 | 13708 |
| 40° | 21658 | 20073 | 21658 | 13630 |
| 45° | 20029 | 17683 | 20029 | 13450 |
| 50° | 18351 | 14889 | 18351 | 13283 |
| 55° | 16581 | 12524 | 16581 | 13051 |
| 60° | 15054 | 11289 | 15054 | 12787 |
| 65° | 13405 | 10244 | 13405 | 12544 |
| 70° | 12070 | 9229  | 12070 | 11890 |
| 75° | 10318 | 8055  | 10318 | 10868 |
| 80° | 8386  | 6755  | 8386  | 9088  |
| 85° | 6266  | 5104  | 6266  | 6502  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 31934 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 183.0  | 4.8       |
| 10°-20°   | 502.3  | 13.3      |
| 20°-30°   | 658.8  | 17.4      |
| 30°-40°   | 696.2  | 18.4      |
| 40°-50°   | 646.4  | 17.1      |
| 50°-60°   | 517.4  | 13.7      |
| 60°-70°   | 353.9  | 9.4       |
| 70°-80°   | 182.6  | 4.8       |
| 80°-90°   | 43.4   | 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°    | 1344.1 | 35.5      |
| 0°-40°    | 2040.3 | 53.9      |
| 0°-60°    | 3204.2 | 84.7      |
| 0°-90°    | 3784.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3784.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1860 | 1860 | 1860 | 1860 | 1860 |      |
| 5°  | 1862 | 2430 | 1862 | 1490 | 1862 | 176  |
| 15° | 1731 | 2320 | 1731 | 1094 | 1731 | 486  |
| 25° | 1507 | 1535 | 1507 | 863  | 1507 | 689  |
| 35° | 1204 | 1135 | 1204 | 709  | 1204 | 752  |
| 45° | 895  | 790  | 895  | 601  | 895  | 691  |
| 55° | 601  | 454  | 601  | 473  | 601  | 540  |
| 65° | 358  | 274  | 358  | 335  | 358  | 356  |
| 75° | 169  | 132  | 169  | 178  | 169  | 181  |
| 85° | 34   | 28   | 34   | 36   | 34   | 43   |
| 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°    | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 |
| 1°    | 1876.4 | 1909.6 | 1907.1 | 1951.8 | 1962.0 | 1951.8 | 1907.1 | 1909.6 | 1876.4 | 1839.3 | 1804.8 |
| 2°    | 1876.4 | 1951.8 | 1986.3 | 2056.6 | 2077.1 | 2056.6 | 1986.3 | 1951.8 | 1876.4 | 1797.1 | 1725.6 |
| 3°    | 1873.8 | 1988.9 | 2070.7 | 2167.8 | 2216.4 | 2167.8 | 2070.7 | 1988.9 | 1873.8 | 1758.8 | 1660.4 |
| 4°    | 1867.5 | 2027.2 | 2156.3 | 2285.4 | 2328.9 | 2285.4 | 2156.3 | 2027.2 | 1867.5 | 1721.7 | 1610.5 |
| 5°    | 1862.3 | 2075.8 | 2245.8 | 2401.7 | 2429.9 | 2401.7 | 2245.8 | 2075.8 | 1862.3 | 1685.9 | 1562.0 |
| 6°    | 1853.4 | 2124.4 | 2317.4 | 2488.7 | 2546.2 | 2488.7 | 2317.4 | 2124.4 | 1853.4 | 1651.4 | 1518.5 |
| 7°    | 1841.9 | 2156.3 | 2397.9 | 2557.7 | 2593.5 | 2557.7 | 2397.9 | 2156.3 | 1841.9 | 1611.8 | 1463.5 |
| 8°    | 1836.8 | 2208.7 | 2461.8 | 2612.6 | 2626.7 | 2612.6 | 2461.8 | 2208.7 | 1836.8 | 1574.7 | 1415.0 |
| 9°    | 1827.8 | 2230.5 | 2507.8 | 2629.3 | 2640.8 | 2629.3 | 2507.8 | 2230.5 | 1827.8 | 1555.6 | 1390.7 |
| 10°   | 1813.8 | 2263.7 | 2541.1 | 2634.4 | 2629.3 | 2634.4 | 2541.1 | 2263.7 | 1813.8 | 1515.9 | 1349.8 |
| 11°   | 1795.9 | 2302.0 | 2559.0 | 2615.2 | 2602.4 | 2615.2 | 2559.0 | 2302.0 | 1795.9 | 1484.0 | 1312.7 |
| 12°   | 1779.3 | 2328.9 | 2566.6 | 2579.4 | 2551.3 | 2579.4 | 2566.6 | 2328.9 | 1779.3 | 1455.9 | 1287.1 |
| 13°   | 1769.0 | 2340.4 | 2561.5 | 2534.7 | 2472.0 | 2534.7 | 2561.5 | 2340.4 | 1769.0 | 1423.9 | 1255.2 |
| 14°   | 1751.1 | 2365.9 | 2547.5 | 2465.6 | 2400.5 | 2465.6 | 2547.5 | 2365.9 | 1751.1 | 1388.1 | 1225.8 |
| 15°   | 1730.7 | 2373.6 | 2524.4 | 2395.3 | 2319.9 | 2395.3 | 2524.4 | 2373.6 | 1730.7 | 1358.7 | 1195.1 |
| 16°   | 1706.4 | 2382.6 | 2482.3 | 2308.4 | 2207.5 | 2308.4 | 2482.3 | 2382.6 | 1706.4 | 1325.5 | 1167.0 |
| 17°   | 1693.6 | 2387.7 | 2450.3 | 2222.8 | 2114.1 | 2222.8 | 2450.3 | 2387.7 | 1693.6 | 1299.9 | 1142.7 |
| 18°   | 1673.2 | 2383.8 | 2392.8 | 2151.2 | 2028.5 | 2151.2 | 2392.8 | 2383.8 | 1673.2 | 1270.5 | 1106.9 |
| 19°   | 1645.0 | 2374.9 | 2335.3 | 2060.5 | 1960.8 | 2060.5 | 2335.3 | 2374.9 | 1645.0 | 1242.4 | 1080.1 |
| 20°   | 1619.5 | 2371.1 | 2271.4 | 1977.4 | 1862.3 | 1977.4 | 2271.4 | 2371.1 | 1619.5 | 1216.8 | 1054.5 |
| 21°   | 1601.6 | 2358.3 | 2212.6 | 1898.1 | 1780.5 | 1898.1 | 2212.6 | 2358.3 | 1601.6 | 1192.6 | 1035.3 |
| 22.5° | 1562.0 | 2334.0 | 2114.1 | 1776.7 | 1673.2 | 1776.7 | 2114.1 | 2334.0 | 1562.0 | 1151.7 | 993.2  |
| 23°   | 1550.5 | 2326.3 | 2088.6 | 1748.6 | 1660.4 | 1748.6 | 2088.6 | 2326.3 | 1550.5 | 1142.7 | 979.1  |
| 24°   | 1521.1 | 2302.0 | 2028.5 | 1673.2 | 1579.9 | 1673.2 | 2028.5 | 2302.0 | 1521.1 | 1114.6 | 956.1  |
| 25°   | 1507.0 | 2279.0 | 1954.4 | 1611.8 | 1535.1 | 1611.8 | 1954.4 | 2279.0 | 1507.0 | 1089.0 | 940.8  |
| 26°   | 1476.3 | 2245.8 | 1887.9 | 1560.7 | 1472.5 | 1560.7 | 1887.9 | 2245.8 | 1476.3 | 1066.0 | 916.5  |
| 27°   | 1440.5 | 2221.5 | 1818.9 | 1500.6 | 1426.5 | 1500.6 | 1818.9 | 2221.5 | 1440.5 | 1041.7 | 897.3  |
| 28°   | 1415.0 | 2181.9 | 1752.4 | 1453.3 | 1381.7 | 1453.3 | 1752.4 | 2181.9 | 1415.0 | 1014.9 | 883.2  |
| 29°   | 1390.7 | 2151.2 | 1698.7 | 1398.4 | 1335.7 | 1398.4 | 1698.7 | 2151.2 | 1390.7 | 991.9  | 861.5  |
| 30°   | 1357.4 | 2110.3 | 1631.0 | 1354.9 | 1297.4 | 1354.9 | 1631.0 | 2110.3 | 1357.4 | 965.0  | 842.3  |
| 32.5° | 1278.2 | 2013.2 | 1492.9 | 1257.7 | 1209.2 | 1257.7 | 1492.9 | 2013.2 | 1278.2 | 911.4  | 796.3  |
| 35°   | 1204.1 | 1904.5 | 1366.4 | 1167.0 | 1135.0 | 1167.0 | 1366.4 | 1904.5 | 1204.1 | 853.8  | 759.3  |
| 37.5° | 1126.1 | 1790.8 | 1251.4 | 1087.7 | 1057.1 | 1087.7 | 1251.4 | 1790.8 | 1126.1 | 801.4  | 717.1  |
| 40°   | 1048.1 | 1678.3 | 1152.9 | 1012.3 | 971.4  | 1012.3 | 1152.9 | 1678.3 | 1048.1 | 750.3  | 680.0  |
| 42.5° | 975.3  | 1546.6 | 1057.1 | 933.1  | 885.8  | 933.1  | 1057.1 | 1546.6 | 975.3  | 701.7  | 644.2  |
| 45°   | 894.7  | 1426.5 | 971.4  | 850.0  | 789.9  | 850.0  | 971.4  | 1426.5 | 894.7  | 655.7  | 608.4  |
| 47.5° | 818.0  | 1302.5 | 897.3  | 766.9  | 690.2  | 766.9  | 897.3  | 1302.5 | 818.0  | 609.7  | 573.9  |
| 50°   | 745.2  | 1182.3 | 814.2  | 673.6  | 604.6  | 673.6  | 814.2  | 1182.3 | 745.2  | 567.5  | 538.1  |
| 52.5° | 671.1  | 1069.9 | 741.4  | 589.3  | 520.2  | 589.3  | 741.4  | 1069.9 | 671.1  | 529.2  | 503.6  |
| 55°   | 600.8  | 952.3  | 668.5  | 507.4  | 453.8  | 507.4  | 668.5  | 952.3  | 600.8  | 484.4  | 464.0  |
| 57.5° | 535.6  | 839.8  | 596.9  | 443.5  | 407.7  | 443.5  | 596.9  | 839.8  | 535.6  | 441.0  | 428.2  |
| 60°   | 475.5  | 736.2  | 526.6  | 384.7  | 356.6  | 384.7  | 526.6  | 736.2  | 475.5  | 398.8  | 392.4  |
| 62.5° | 410.3  | 642.9  | 460.2  | 334.9  | 310.6  | 334.9  | 460.2  | 642.9  | 410.3  | 357.9  | 355.3  |
| 65°   | 357.9  | 548.3  | 391.1  | 290.2  | 273.5  | 290.2  | 391.1  | 548.3  | 357.9  | 317.0  | 315.7  |



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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° | 305.5 | 458.9 | 331.1 | 248.0 | 235.2 | 248.0  | 331.1 | 458.9  | 305.5 | 276.1  | 276.1 |
| 70°   | 260.8 | 378.3 | 273.5 | 209.6 | 199.4 | 209.6  | 273.5 | 378.3  | 260.8 | 235.2  | 236.5 |
| 72.5° | 210.9 | 304.2 | 222.4 | 171.3 | 162.3 | 171.3  | 222.4 | 304.2  | 210.9 | 196.8  | 200.7 |
| 75°   | 168.7 | 240.3 | 175.1 | 138.0 | 131.7 | 138.0  | 175.1 | 240.3  | 168.7 | 157.2  | 162.3 |
| 77.5° | 129.1 | 176.4 | 129.1 | 106.1 | 101.0 | 106.1  | 129.1 | 176.4  | 129.1 | 122.7  | 127.8 |
| 80°   | 92.0  | 124.0 | 92.0  | 75.4  | 74.1  | 75.4   | 92.0  | 124.0  | 92.0  | 88.2   | 94.6  |
| 82.5° | 61.4  | 79.2  | 60.1  | 51.1  | 48.6  | 51.1   | 60.1  | 79.2   | 61.4  | 60.1   | 62.6  |
| 85°   | 34.5  | 43.5  | 33.2  | 29.4  | 28.1  | 29.4   | 33.2  | 43.5   | 34.5  | 34.5   | 37.1  |
| 87.5° | 15.3  | 16.6  | 14.1  | 12.8  | 11.5  | 12.8   | 14.1  | 16.6   | 15.3  | 16.6   | 16.6  |
| 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°    | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 | 1859.8 |
| 1°    | 1783.1 | 1765.2 | 1783.1 | 1804.8 | 1839.3 | 1876.4 |
| 2°    | 1706.4 | 1682.1 | 1706.4 | 1725.6 | 1797.1 | 1876.4 |
| 3°    | 1625.9 | 1622.0 | 1625.9 | 1660.4 | 1758.8 | 1873.8 |
| 4°    | 1573.5 | 1555.6 | 1573.5 | 1610.5 | 1721.7 | 1867.5 |
| 5°    | 1510.8 | 1490.4 | 1510.8 | 1562.0 | 1685.9 | 1862.3 |
| 6°    | 1457.1 | 1429.0 | 1457.1 | 1518.5 | 1651.4 | 1853.4 |
| 7°    | 1397.1 | 1376.6 | 1397.1 | 1463.5 | 1611.8 | 1841.9 |
| 8°    | 1374.1 | 1349.8 | 1374.1 | 1415.0 | 1574.7 | 1836.8 |
| 9°    | 1322.9 | 1296.1 | 1322.9 | 1390.7 | 1555.6 | 1827.8 |
| 10°   | 1291.0 | 1257.7 | 1291.0 | 1349.8 | 1515.9 | 1813.8 |
| 11°   | 1252.6 | 1220.7 | 1252.6 | 1312.7 | 1484.0 | 1795.9 |
| 12°   | 1229.6 | 1201.5 | 1229.6 | 1287.1 | 1455.9 | 1779.3 |
| 13°   | 1188.7 | 1152.9 | 1188.7 | 1255.2 | 1423.9 | 1769.0 |
| 14°   | 1159.3 | 1128.7 | 1159.3 | 1225.8 | 1388.1 | 1751.1 |
| 15°   | 1122.3 | 1094.1 | 1122.3 | 1195.1 | 1358.7 | 1730.7 |
| 16°   | 1098.0 | 1060.9 | 1098.0 | 1167.0 | 1325.5 | 1706.4 |
| 17°   | 1060.9 | 1036.6 | 1060.9 | 1142.7 | 1299.9 | 1693.6 |
| 18°   | 1034.1 | 1011.1 | 1034.1 | 1106.9 | 1270.5 | 1673.2 |
| 19°   | 1014.9 | 988.0  | 1014.9 | 1080.1 | 1242.4 | 1645.0 |
| 20°   | 988.0  | 965.0  | 988.0  | 1054.5 | 1216.8 | 1619.5 |
| 21°   | 962.5  | 942.0  | 962.5  | 1035.3 | 1192.6 | 1601.6 |
| 22.5° | 938.2  | 910.1  | 938.2  | 993.2  | 1151.7 | 1562.0 |
| 23°   | 924.1  | 901.1  | 924.1  | 979.1  | 1142.7 | 1550.5 |
| 24°   | 907.5  | 880.7  | 907.5  | 956.1  | 1114.6 | 1521.1 |
| 25°   | 885.8  | 862.8  | 885.8  | 940.8  | 1089.0 | 1507.0 |
| 26°   | 866.6  | 844.9  | 866.6  | 916.5  | 1066.0 | 1476.3 |
| 27°   | 847.4  | 820.6  | 847.4  | 897.3  | 1041.7 | 1440.5 |
| 28°   | 830.8  | 805.3  | 830.8  | 883.2  | 1014.9 | 1415.0 |
| 29°   | 809.1  | 784.8  | 809.1  | 861.5  | 991.9  | 1390.7 |
| 30°   | 793.8  | 772.0  | 793.8  | 842.3  | 965.0  | 1357.4 |
| 32.5° | 751.6  | 738.8  | 751.6  | 796.3  | 911.4  | 1278.2 |
| 35°   | 715.8  | 709.4  | 715.8  | 759.3  | 853.8  | 1204.1 |
| 37.5° | 688.9  | 683.8  | 688.9  | 717.1  | 801.4  | 1126.1 |
| 40°   | 658.3  | 659.6  | 658.3  | 680.0  | 750.3  | 1048.1 |
| 42.5° | 628.9  | 631.4  | 628.9  | 644.2  | 701.7  | 975.3  |
| 45°   | 600.8  | 600.8  | 600.8  | 608.4  | 655.7  | 894.7  |
| 47.5° | 568.8  | 571.4  | 568.8  | 573.9  | 609.7  | 818.0  |
| 50°   | 536.8  | 539.4  | 536.8  | 538.1  | 567.5  | 745.2  |
| 52.5° | 503.6  | 506.2  | 503.6  | 503.6  | 529.2  | 671.1  |
| 55°   | 467.8  | 472.9  | 467.8  | 464.0  | 484.4  | 600.8  |
| 57.5° | 430.8  | 437.1  | 430.8  | 428.2  | 441.0  | 535.6  |
| 60°   | 397.5  | 403.9  | 397.5  | 392.4  | 398.8  | 475.5  |
| 62.5° | 363.0  | 369.4  | 363.0  | 355.3  | 357.9  | 410.3  |
| 65°   | 327.2  | 334.9  | 327.2  | 315.7  | 317.0  | 357.9  |





TEST NUMBER: P1051126

CATALOG NUMBER: S122DP-B865DB2750-4F0-XX-W2A-W\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 288.9  | 295.3 | 288.9  | 276.1 | 276.1  | 305.5 |
| 70°   | 251.8  | 256.9 | 251.8  | 236.5 | 235.2  | 260.8 |
| 72.5° | 213.5  | 218.6 | 213.5  | 200.7 | 196.8  | 210.9 |
| 75°   | 173.8  | 177.7 | 173.8  | 162.3 | 157.2  | 168.7 |
| 77.5° | 138.0  | 138.0 | 138.0  | 127.8 | 122.7  | 129.1 |
| 80°   | 99.7   | 99.7  | 99.7   | 94.6  | 88.2   | 92.0  |
| 82.5° | 66.5   | 66.5  | 66.5   | 62.6  | 60.1   | 61.4  |
| 85°   | 37.1   | 35.8  | 37.1   | 37.1  | 34.5   | 34.5  |
| 87.5° | 14.1   | 15.3  | 14.1   | 16.6  | 16.6   | 15.3  |
| 90°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

TEST NUMBER: P1051126

CATALOG NUMBER: S122DP-B865DB2750-4F0-XX-W2A-W\_5000K

**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 | 22.62            | 24.14 | 22.98 | 24.45 | 24.77 | 19.93          | 21.45 | 20.29 | 21.76 | 22.08 |
|                 | 3H   | 23.83            | 25.20 | 24.21 | 25.53 | 25.89 | 21.25          | 22.62 | 21.63 | 22.95 | 23.31 |
|                 | 4H   | 24.23            | 25.51 | 24.63 | 25.86 | 26.23 | 21.71          | 22.99 | 22.11 | 23.34 | 23.72 |
|                 | 6H   | 24.47            | 25.65 | 24.88 | 26.02 | 26.41 | 22.02          | 23.20 | 22.43 | 23.57 | 23.96 |
|                 | 8H   | 24.53            | 25.65 | 24.95 | 26.04 | 26.44 | 22.10          | 23.22 | 22.52 | 23.61 | 24.02 |
|                 | 12H  | 24.55            | 25.63 | 24.98 | 26.01 | 26.44 | 22.14          | 23.22 | 22.57 | 23.60 | 24.03 |
| 4H              | 2H   | 22.90            | 24.18 | 23.30 | 24.53 | 24.91 | 20.89          | 22.17 | 21.29 | 22.52 | 22.90 |
|                 | 3H   | 24.40            | 25.46 | 24.81 | 25.86 | 26.26 | 22.36          | 23.42 | 22.77 | 23.82 | 24.22 |
|                 | 4H   | 24.95            | 25.91 | 25.39 | 26.33 | 26.77 | 22.87          | 23.83 | 23.31 | 24.25 | 24.69 |
|                 | 6H   | 25.32            | 26.16 | 25.78 | 26.60 | 27.06 | 23.25          | 24.08 | 23.70 | 24.52 | 24.98 |
|                 | 8H   | 25.41            | 26.19 | 25.88 | 26.64 | 27.10 | 23.35          | 24.13 | 23.81 | 24.57 | 25.04 |
|                 | 12H  | 25.47            | 26.16 | 25.95 | 26.64 | 27.11 | 23.41          | 24.11 | 23.89 | 24.58 | 25.06 |
| 8H              | 4H   | 25.09            | 25.87 | 25.56 | 26.32 | 26.79 | 23.28          | 24.06 | 23.74 | 24.50 | 24.97 |
|                 | 6H   | 25.56            | 26.20 | 26.05 | 26.69 | 27.17 | 23.73          | 24.37 | 24.22 | 24.86 | 25.34 |
|                 | 8H   | 25.71            | 26.28 | 26.22 | 26.79 | 27.28 | 23.87          | 24.45 | 24.38 | 24.96 | 25.45 |
|                 | 12H  | 25.81            | 26.32 | 26.32 | 26.81 | 27.38 | 23.98          | 24.49 | 24.49 | 24.98 | 25.54 |
| 12H             | 4H   | 25.09            | 25.79 | 25.57 | 26.27 | 26.74 | 23.32          | 24.02 | 23.81 | 24.50 | 24.97 |
|                 | 6H   | 25.56            | 26.14 | 26.08 | 26.65 | 27.14 | 23.79          | 24.37 | 24.30 | 24.88 | 25.36 |
|                 | 8H   | 25.75            | 26.26 | 26.26 | 26.75 | 27.32 | 23.98          | 24.49 | 24.49 | 24.98 | 25.54 |