

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: P1051117

Luminaire Tested: S122DP-B675DB30-4F0-XX-W2A-W

Issue Date: 7/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1051117  
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-B675DB30-4F0-XX-W2A-W  
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: 3061.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 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

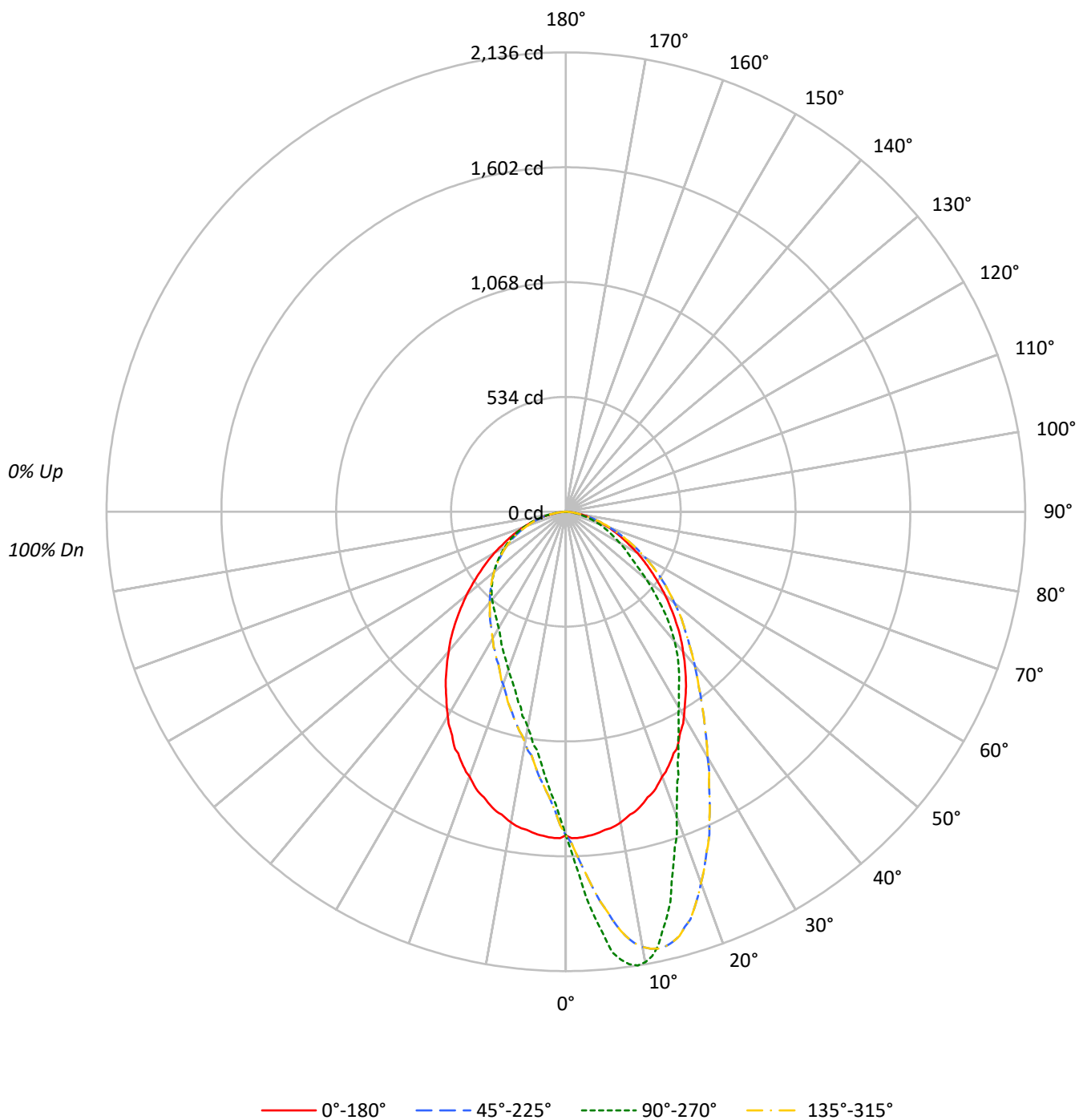
Input Watts (W): 35.9  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P1051117

CATALOG NUMBER: S122DP-B675DB30-4F0-XX-W2A-W

### Luminous Intensity Polar Plot



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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| 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°  | 23814 | 23814 | 23814 | 23814 |
| 5°  | 23938 | 31233 | 23938 | 19157 |
| 10° | 23583 | 34187 | 23583 | 16353 |
| 15° | 22943 | 30755 | 22943 | 14505 |
| 20° | 22067 | 25377 | 22067 | 13151 |
| 25° | 21292 | 21689 | 21292 | 12189 |
| 30° | 20071 | 19183 | 20071 | 11415 |
| 35° | 18822 | 17743 | 18822 | 11090 |
| 40° | 17521 | 16238 | 17521 | 11024 |
| 45° | 16203 | 14305 | 16203 | 10880 |
| 50° | 14845 | 12045 | 14845 | 10744 |
| 55° | 13412 | 10131 | 13412 | 10559 |
| 60° | 12176 | 9133  | 12176 | 10343 |
| 65° | 10843 | 8289  | 10843 | 10147 |
| 70° | 9761  | 7465  | 9761  | 9617  |
| 75° | 8348  | 6514  | 8348  | 8789  |
| 80° | 6782  | 5469  | 6782  | 7356  |
| 85° | 5067  | 4123  | 5067  | 5267  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25831 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 148.1  | 4.8       |
| 10°-20°   | 406.3  | 13.3      |
| 20°-30°   | 532.9  | 17.4      |
| 30°-40°   | 563.2  | 18.4      |
| 40°-50°   | 522.9  | 17.1      |
| 50°-60°   | 418.5  | 13.7      |
| 60°-70°   | 286.2  | 9.4       |
| 70°-80°   | 147.7  | 4.8       |
| 80°-90°   | 35.1   | 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°    | 1087.3 | 35.5      |
| 0°-40°    | 1650.5 | 53.9      |
| 0°-60°    | 2592.0 | 84.7      |
| 0°-90°    | 3061.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3061.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1504 | 1504 | 1504 | 1504 | 1504 |      |
| 5°  | 1506 | 1966 | 1506 | 1206 | 1506 | 143  |
| 15° | 1400 | 1877 | 1400 | 885  | 1400 | 393  |
| 25° | 1219 | 1242 | 1219 | 698  | 1219 | 557  |
| 35° | 974  | 918  | 974  | 574  | 974  | 608  |
| 45° | 724  | 639  | 724  | 486  | 724  | 559  |
| 55° | 486  | 367  | 486  | 383  | 486  | 437  |
| 65° | 290  | 221  | 290  | 271  | 290  | 288  |
| 75° | 136  | 106  | 136  | 144  | 136  | 146  |
| 85° | 28   | 23   | 28   | 29   | 28   | 35   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1051117

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 |
| 1°    | 1517.9 | 1544.8 | 1542.7 | 1578.9 | 1587.2 | 1578.9 | 1542.7 | 1544.8 | 1517.9 | 1487.9 | 1460.0 |
| 2°    | 1517.9 | 1578.9 | 1606.8 | 1663.7 | 1680.2 | 1663.7 | 1606.8 | 1578.9 | 1517.9 | 1453.8 | 1395.9 |
| 3°    | 1515.8 | 1608.9 | 1675.0 | 1753.6 | 1792.9 | 1753.6 | 1675.0 | 1608.9 | 1515.8 | 1422.8 | 1343.1 |
| 4°    | 1510.6 | 1639.9 | 1744.3 | 1848.8 | 1883.9 | 1848.8 | 1744.3 | 1639.9 | 1510.6 | 1392.8 | 1302.8 |
| 5°    | 1506.5 | 1679.2 | 1816.7 | 1942.8 | 1965.6 | 1942.8 | 1816.7 | 1679.2 | 1506.5 | 1363.8 | 1263.5 |
| 6°    | 1499.3 | 1718.5 | 1874.6 | 2013.2 | 2059.7 | 2013.2 | 1874.6 | 1718.5 | 1499.3 | 1335.9 | 1228.4 |
| 7°    | 1490.0 | 1744.3 | 1939.7 | 2069.0 | 2097.9 | 2069.0 | 1939.7 | 1744.3 | 1490.0 | 1303.8 | 1183.9 |
| 8°    | 1485.8 | 1786.7 | 1991.4 | 2113.4 | 2124.8 | 2113.4 | 1991.4 | 1786.7 | 1485.8 | 1273.9 | 1144.6 |
| 9°    | 1478.6 | 1804.3 | 2028.7 | 2126.9 | 2136.2 | 2126.9 | 2028.7 | 1804.3 | 1478.6 | 1258.4 | 1125.0 |
| 10°   | 1467.2 | 1831.2 | 2055.5 | 2131.0 | 2126.9 | 2131.0 | 2055.5 | 1831.2 | 1467.2 | 1226.3 | 1091.9 |
| 11°   | 1452.7 | 1862.2 | 2070.0 | 2115.5 | 2105.2 | 2115.5 | 2070.0 | 1862.2 | 1452.7 | 1200.4 | 1061.9 |
| 12°   | 1439.3 | 1883.9 | 2076.2 | 2086.6 | 2063.8 | 2086.6 | 2076.2 | 1883.9 | 1439.3 | 1177.7 | 1041.2 |
| 13°   | 1431.0 | 1893.2 | 2072.1 | 2050.4 | 1999.7 | 2050.4 | 2072.1 | 1893.2 | 1431.0 | 1151.9 | 1015.4 |
| 14°   | 1416.5 | 1913.9 | 2060.7 | 1994.5 | 1941.8 | 1994.5 | 2060.7 | 1913.9 | 1416.5 | 1122.9 | 991.6  |
| 15°   | 1400.0 | 1920.1 | 2042.1 | 1937.7 | 1876.7 | 1937.7 | 2042.1 | 1920.1 | 1400.0 | 1099.1 | 966.8  |
| 16°   | 1380.4 | 1927.3 | 2008.0 | 1867.4 | 1785.7 | 1867.4 | 2008.0 | 1927.3 | 1380.4 | 1072.2 | 944.0  |
| 17°   | 1370.0 | 1931.5 | 1982.1 | 1798.1 | 1710.2 | 1798.1 | 1982.1 | 1931.5 | 1370.0 | 1051.6 | 924.4  |
| 18°   | 1353.5 | 1928.4 | 1935.6 | 1740.2 | 1640.9 | 1740.2 | 1935.6 | 1928.4 | 1353.5 | 1027.8 | 895.4  |
| 19°   | 1330.7 | 1921.1 | 1889.1 | 1666.8 | 1586.1 | 1666.8 | 1889.1 | 1921.1 | 1330.7 | 1005.0 | 873.7  |
| 20°   | 1310.0 | 1918.0 | 1837.4 | 1599.6 | 1506.5 | 1599.6 | 1837.4 | 1918.0 | 1310.0 | 984.3  | 853.0  |
| 21°   | 1295.6 | 1907.7 | 1789.8 | 1535.5 | 1440.3 | 1535.5 | 1789.8 | 1907.7 | 1295.6 | 964.7  | 837.5  |
| 22.5° | 1263.5 | 1888.0 | 1710.2 | 1437.2 | 1353.5 | 1437.2 | 1710.2 | 1888.0 | 1263.5 | 931.6  | 803.4  |
| 23°   | 1254.2 | 1881.8 | 1689.5 | 1414.5 | 1343.1 | 1414.5 | 1689.5 | 1881.8 | 1254.2 | 924.4  | 792.0  |
| 24°   | 1230.4 | 1862.2 | 1640.9 | 1353.5 | 1278.0 | 1353.5 | 1640.9 | 1862.2 | 1230.4 | 901.6  | 773.4  |
| 25°   | 1219.1 | 1843.6 | 1581.0 | 1303.8 | 1241.8 | 1303.8 | 1581.0 | 1843.6 | 1219.1 | 880.9  | 761.0  |
| 26°   | 1194.2 | 1816.7 | 1527.2 | 1262.5 | 1191.1 | 1262.5 | 1527.2 | 1816.7 | 1194.2 | 862.3  | 741.4  |
| 27°   | 1165.3 | 1797.1 | 1471.3 | 1213.9 | 1153.9 | 1213.9 | 1471.3 | 1797.1 | 1165.3 | 842.7  | 725.9  |
| 28°   | 1144.6 | 1765.0 | 1417.6 | 1175.6 | 1117.7 | 1175.6 | 1417.6 | 1765.0 | 1144.6 | 821.0  | 714.5  |
| 29°   | 1125.0 | 1740.2 | 1374.2 | 1131.2 | 1080.5 | 1131.2 | 1374.2 | 1740.2 | 1125.0 | 802.4  | 696.9  |
| 30°   | 1098.1 | 1707.1 | 1319.4 | 1096.0 | 1049.5 | 1096.0 | 1319.4 | 1707.1 | 1098.1 | 780.7  | 681.4  |
| 32.5° | 1034.0 | 1628.5 | 1207.7 | 1017.4 | 978.1  | 1017.4 | 1207.7 | 1628.5 | 1034.0 | 737.2  | 644.2  |
| 35°   | 974.0  | 1540.6 | 1105.3 | 944.0  | 918.2  | 944.0  | 1105.3 | 1540.6 | 974.0  | 690.7  | 614.2  |
| 37.5° | 910.9  | 1448.6 | 1012.3 | 879.9  | 855.1  | 879.9  | 1012.3 | 1448.6 | 910.9  | 648.3  | 580.1  |
| 40°   | 847.9  | 1357.6 | 932.6  | 818.9  | 785.8  | 818.9  | 932.6  | 1357.6 | 847.9  | 606.9  | 550.1  |
| 42.5° | 788.9  | 1251.1 | 855.1  | 754.8  | 716.5  | 754.8  | 855.1  | 1251.1 | 788.9  | 567.7  | 521.1  |
| 45°   | 723.8  | 1153.9 | 785.8  | 687.6  | 639.0  | 687.6  | 785.8  | 1153.9 | 723.8  | 530.4  | 492.2  |
| 47.5° | 661.7  | 1053.6 | 725.9  | 620.4  | 558.3  | 620.4  | 725.9  | 1053.6 | 661.7  | 493.2  | 464.3  |
| 50°   | 602.8  | 956.4  | 658.6  | 544.9  | 489.1  | 544.9  | 658.6  | 956.4  | 602.8  | 459.1  | 435.3  |
| 52.5° | 542.8  | 865.4  | 599.7  | 476.7  | 420.8  | 476.7  | 599.7  | 865.4  | 542.8  | 428.1  | 407.4  |
| 55°   | 486.0  | 770.3  | 540.8  | 410.5  | 367.1  | 410.5  | 540.8  | 770.3  | 486.0  | 391.9  | 375.3  |
| 57.5° | 433.2  | 679.3  | 482.9  | 358.8  | 329.8  | 358.8  | 482.9  | 679.3  | 433.2  | 356.7  | 346.4  |
| 60°   | 384.6  | 595.6  | 426.0  | 311.2  | 288.5  | 311.2  | 426.0  | 595.6  | 384.6  | 322.6  | 317.4  |
| 62.5° | 331.9  | 520.1  | 372.2  | 270.9  | 251.3  | 270.9  | 372.2  | 520.1  | 331.9  | 289.5  | 287.4  |
| 65°   | 289.5  | 443.6  | 316.4  | 234.7  | 221.3  | 234.7  | 316.4  | 443.6  | 289.5  | 256.4  | 255.4  |



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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° | 247.1 | 371.2 | 267.8 | 200.6 | 190.3 | 200.6  | 267.8 | 371.2  | 247.1 | 223.3  | 223.3 |
| 70°   | 210.9 | 306.1 | 221.3 | 169.6 | 161.3 | 169.6  | 221.3 | 306.1  | 210.9 | 190.3  | 191.3 |
| 72.5° | 170.6 | 246.1 | 179.9 | 138.6 | 131.3 | 138.6  | 179.9 | 246.1  | 170.6 | 159.2  | 162.3 |
| 75°   | 136.5 | 194.4 | 141.7 | 111.7 | 106.5 | 111.7  | 141.7 | 194.4  | 136.5 | 127.2  | 131.3 |
| 77.5° | 104.4 | 142.7 | 104.4 | 85.8  | 81.7  | 85.8   | 104.4 | 142.7  | 104.4 | 99.3   | 103.4 |
| 80°   | 74.4  | 100.3 | 74.4  | 61.0  | 60.0  | 61.0   | 74.4  | 100.3  | 74.4  | 71.3   | 76.5  |
| 82.5° | 49.6  | 64.1  | 48.6  | 41.4  | 39.3  | 41.4   | 48.6  | 64.1   | 49.6  | 48.6   | 50.7  |
| 85°   | 27.9  | 35.2  | 26.9  | 23.8  | 22.7  | 23.8   | 26.9  | 35.2   | 27.9  | 27.9   | 30.0  |
| 87.5° | 12.4  | 13.4  | 11.4  | 10.3  | 9.3   | 10.3   | 11.4  | 13.4   | 12.4  | 13.4   | 13.4  |
| 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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CATALOG NUMBER: S122DP-B675DB30-4F0-XX-W2A-W

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 | 1504.4 |
| 1°    | 1442.4 | 1427.9 | 1442.4 | 1460.0 | 1487.9 | 1517.9 |
| 2°    | 1380.4 | 1360.7 | 1380.4 | 1395.9 | 1453.8 | 1517.9 |
| 3°    | 1315.2 | 1312.1 | 1315.2 | 1343.1 | 1422.8 | 1515.8 |
| 4°    | 1272.8 | 1258.4 | 1272.8 | 1302.8 | 1392.8 | 1510.6 |
| 5°    | 1222.2 | 1205.6 | 1222.2 | 1263.5 | 1363.8 | 1506.5 |
| 6°    | 1178.7 | 1156.0 | 1178.7 | 1228.4 | 1335.9 | 1499.3 |
| 7°    | 1130.1 | 1113.6 | 1130.1 | 1183.9 | 1303.8 | 1490.0 |
| 8°    | 1111.5 | 1091.9 | 1111.5 | 1144.6 | 1273.9 | 1485.8 |
| 9°    | 1070.2 | 1048.5 | 1070.2 | 1125.0 | 1258.4 | 1478.6 |
| 10°   | 1044.3 | 1017.4 | 1044.3 | 1091.9 | 1226.3 | 1467.2 |
| 11°   | 1013.3 | 987.4  | 1013.3 | 1061.9 | 1200.4 | 1452.7 |
| 12°   | 994.7  | 971.9  | 994.7  | 1041.2 | 1177.7 | 1439.3 |
| 13°   | 961.6  | 932.6  | 961.6  | 1015.4 | 1151.9 | 1431.0 |
| 14°   | 937.8  | 913.0  | 937.8  | 991.6  | 1122.9 | 1416.5 |
| 15°   | 907.8  | 885.1  | 907.8  | 966.8  | 1099.1 | 1400.0 |
| 16°   | 888.2  | 858.2  | 888.2  | 944.0  | 1072.2 | 1380.4 |
| 17°   | 858.2  | 838.6  | 858.2  | 924.4  | 1051.6 | 1370.0 |
| 18°   | 836.5  | 817.9  | 836.5  | 895.4  | 1027.8 | 1353.5 |
| 19°   | 821.0  | 799.3  | 821.0  | 873.7  | 1005.0 | 1330.7 |
| 20°   | 799.3  | 780.7  | 799.3  | 853.0  | 984.3  | 1310.0 |
| 21°   | 778.6  | 762.0  | 778.6  | 837.5  | 964.7  | 1295.6 |
| 22.5° | 758.9  | 736.2  | 758.9  | 803.4  | 931.6  | 1263.5 |
| 23°   | 747.6  | 729.0  | 747.6  | 792.0  | 924.4  | 1254.2 |
| 24°   | 734.1  | 712.4  | 734.1  | 773.4  | 901.6  | 1230.4 |
| 25°   | 716.5  | 697.9  | 716.5  | 761.0  | 880.9  | 1219.1 |
| 26°   | 701.0  | 683.5  | 701.0  | 741.4  | 862.3  | 1194.2 |
| 27°   | 685.5  | 663.8  | 685.5  | 725.9  | 842.7  | 1165.3 |
| 28°   | 672.1  | 651.4  | 672.1  | 714.5  | 821.0  | 1144.6 |
| 29°   | 654.5  | 634.9  | 654.5  | 696.9  | 802.4  | 1125.0 |
| 30°   | 642.1  | 624.5  | 642.1  | 681.4  | 780.7  | 1098.1 |
| 32.5° | 608.0  | 597.6  | 608.0  | 644.2  | 737.2  | 1034.0 |
| 35°   | 579.0  | 573.9  | 579.0  | 614.2  | 690.7  | 974.0  |
| 37.5° | 557.3  | 553.2  | 557.3  | 580.1  | 648.3  | 910.9  |
| 40°   | 532.5  | 533.5  | 532.5  | 550.1  | 606.9  | 847.9  |
| 42.5° | 508.7  | 510.8  | 508.7  | 521.1  | 567.7  | 788.9  |
| 45°   | 486.0  | 486.0  | 486.0  | 492.2  | 530.4  | 723.8  |
| 47.5° | 460.1  | 462.2  | 460.1  | 464.3  | 493.2  | 661.7  |
| 50°   | 434.3  | 436.3  | 434.3  | 435.3  | 459.1  | 602.8  |
| 52.5° | 407.4  | 409.5  | 407.4  | 407.4  | 428.1  | 542.8  |
| 55°   | 378.4  | 382.6  | 378.4  | 375.3  | 391.9  | 486.0  |
| 57.5° | 348.5  | 353.6  | 348.5  | 346.4  | 356.7  | 433.2  |
| 60°   | 321.6  | 326.7  | 321.6  | 317.4  | 322.6  | 384.6  |
| 62.5° | 293.6  | 298.8  | 293.6  | 287.4  | 289.5  | 331.9  |
| 65°   | 264.7  | 270.9  | 264.7  | 255.4  | 256.4  | 289.5  |





TEST NUMBER: P1051117

CATALOG NUMBER: S122DP-B675DB30-4F0-XX-W2A-W

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 233.7  | 238.8 | 233.7  | 223.3 | 223.3  | 247.1 |
| 70°   | 203.7  | 207.8 | 203.7  | 191.3 | 190.3  | 210.9 |
| 72.5° | 172.7  | 176.8 | 172.7  | 162.3 | 159.2  | 170.6 |
| 75°   | 140.6  | 143.7 | 140.6  | 131.3 | 127.2  | 136.5 |
| 77.5° | 111.7  | 111.7 | 111.7  | 103.4 | 99.3   | 104.4 |
| 80°   | 80.7   | 80.7  | 80.7   | 76.5  | 71.3   | 74.4  |
| 82.5° | 53.8   | 53.8  | 53.8   | 50.7  | 48.6   | 49.6  |
| 85°   | 30.0   | 29.0  | 30.0   | 30.0  | 27.9   | 27.9  |
| 87.5° | 11.4   | 12.4  | 11.4   | 13.4  | 13.4   | 12.4  |
| 90°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

TEST NUMBER: P1051117

CATALOG NUMBER: S122DP-B675DB30-4F0-XX-W2A-W

**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 | 21.88            | 23.40 | 22.24 | 23.71 | 24.03 | 19.19          | 20.71 | 19.56 | 21.03 | 21.34 |
|                 | 3H   | 23.09            | 24.46 | 23.47 | 24.79 | 25.15 | 20.52          | 21.89 | 20.90 | 22.21 | 22.57 |
|                 | 4H   | 23.49            | 24.77 | 23.89 | 25.12 | 25.50 | 20.98          | 22.26 | 21.38 | 22.61 | 22.99 |
|                 | 6H   | 23.73            | 24.92 | 24.14 | 25.28 | 25.67 | 21.28          | 22.47 | 21.69 | 22.83 | 23.22 |
|                 | 8H   | 23.79            | 24.92 | 24.22 | 25.31 | 25.71 | 21.36          | 22.49 | 21.79 | 22.88 | 23.28 |
|                 | 12H  | 23.81            | 24.89 | 24.25 | 25.28 | 25.71 | 21.40          | 22.48 | 21.83 | 22.86 | 23.29 |
| 4H              | 2H   | 22.16            | 23.45 | 22.56 | 23.79 | 24.17 | 20.15          | 21.44 | 20.55 | 21.78 | 22.16 |
|                 | 3H   | 23.66            | 24.72 | 24.07 | 25.12 | 25.52 | 21.62          | 22.68 | 22.03 | 23.08 | 23.49 |
|                 | 4H   | 24.22            | 25.18 | 24.65 | 25.59 | 26.03 | 22.14          | 23.10 | 22.57 | 23.51 | 23.95 |
|                 | 6H   | 24.59            | 25.42 | 25.04 | 25.86 | 26.32 | 22.51          | 23.34 | 22.97 | 23.79 | 24.25 |
|                 | 8H   | 24.68            | 25.46 | 25.14 | 25.90 | 26.37 | 22.61          | 23.39 | 23.07 | 23.83 | 24.30 |
|                 | 12H  | 24.73            | 25.43 | 25.21 | 25.90 | 26.38 | 22.67          | 23.37 | 23.16 | 23.85 | 24.32 |
| 8H              | 4H   | 24.36            | 25.14 | 24.82 | 25.58 | 26.05 | 22.54          | 23.32 | 23.01 | 23.77 | 24.23 |
|                 | 6H   | 24.82            | 25.46 | 25.32 | 25.96 | 26.43 | 22.99          | 23.64 | 23.49 | 24.13 | 24.60 |
|                 | 8H   | 24.97            | 25.55 | 25.48 | 26.05 | 26.54 | 23.14          | 23.71 | 23.65 | 24.22 | 24.71 |
|                 | 12H  | 25.07            | 25.58 | 25.58 | 26.07 | 26.64 | 23.24          | 23.75 | 23.75 | 24.24 | 24.81 |
| 12H             | 4H   | 24.36            | 25.05 | 24.84 | 25.53 | 26.00 | 22.59          | 23.28 | 23.07 | 23.76 | 24.23 |
|                 | 6H   | 24.83            | 25.40 | 25.34 | 25.91 | 26.40 | 23.05          | 23.63 | 23.57 | 24.14 | 24.63 |
|                 | 8H   | 25.02            | 25.53 | 25.53 | 26.02 | 26.58 | 23.24          | 23.75 | 23.75 | 24.24 | 24.81 |