

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: P1051214

Luminaire Tested: S122DS-B675DB2750-4F0-XX-W2A-W\_3500K

Issue Date: 7/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1051214  
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: S122DS-B675DB2750-4F0-XX-W2A-W\_3500K  
Description: Define 2 Direct Surface with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3075.0 lumens  
Efficiency: N/A  
Efficacy: 85.7 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

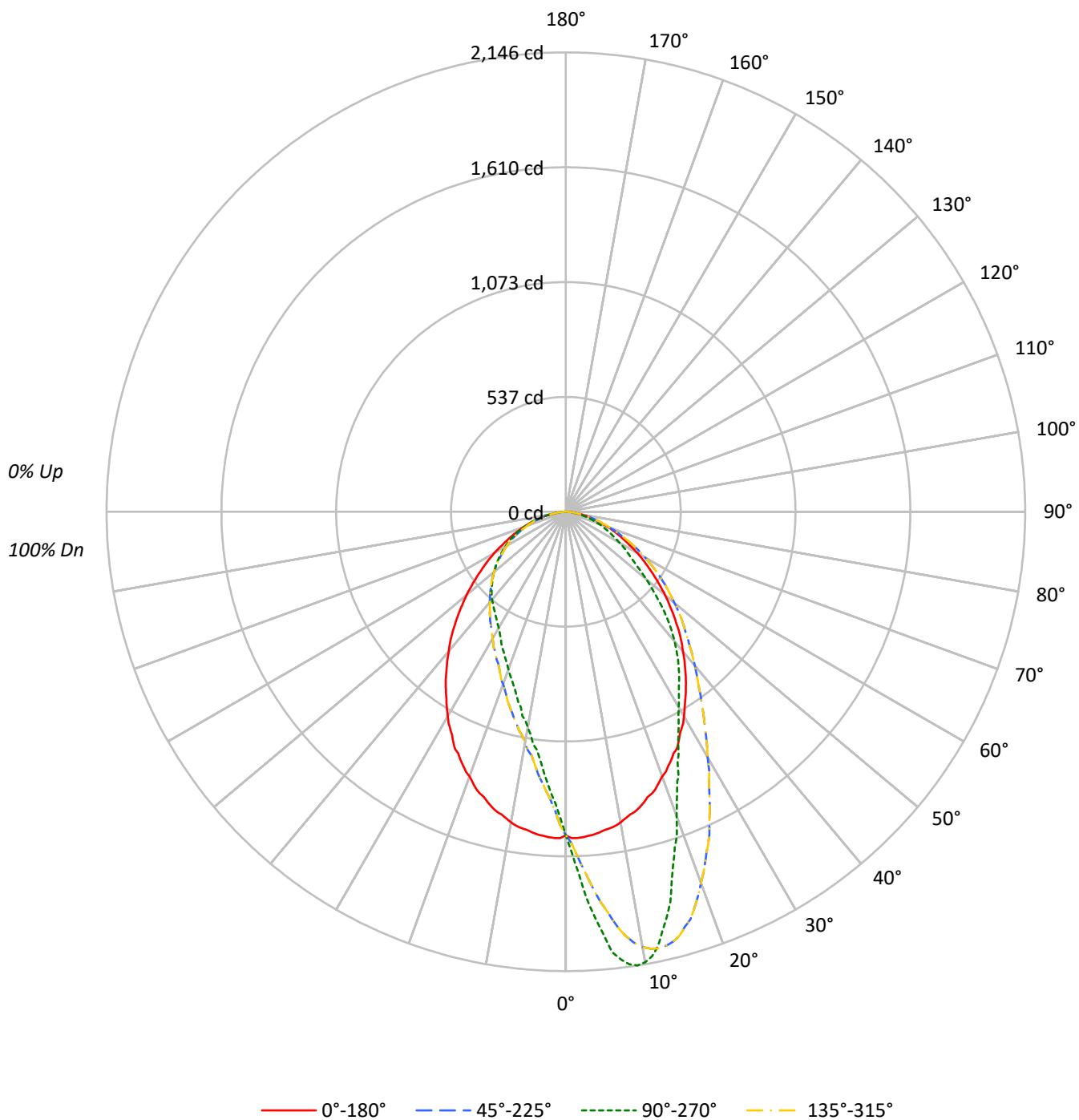
Input Watts (W): 35.9  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P1051214

CATALOG NUMBER: S122DS-B675DB2750-4F0-XX-W2A-W\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1051214

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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°  | 23923 | 23923 | 23923 | 23923 |
| 5°  | 24048 | 31376 | 24048 | 19244 |
| 10° | 23691 | 34343 | 23691 | 16429 |
| 15° | 23048 | 30896 | 23048 | 14570 |
| 20° | 22168 | 25493 | 22168 | 13210 |
| 25° | 21388 | 21788 | 21388 | 12245 |
| 30° | 20163 | 19271 | 20163 | 11468 |
| 35° | 18909 | 17824 | 18909 | 11140 |
| 40° | 17599 | 16312 | 17599 | 11076 |
| 45° | 16277 | 14370 | 16277 | 10929 |
| 50° | 14914 | 12099 | 14914 | 10794 |
| 55° | 13473 | 10175 | 13473 | 10606 |
| 60° | 12233 | 9175  | 12233 | 10390 |
| 65° | 10892 | 8326  | 10892 | 10192 |
| 70° | 9807  | 7498  | 9807  | 9664  |
| 75° | 8385  | 6544  | 8385  | 8831  |
| 80° | 6819  | 5488  | 6819  | 7384  |
| 85° | 5085  | 4159  | 5085  | 5285  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25950 cd/sqm

TEST NUMBER: P1051214

CATALOG NUMBER: S122DS-B675DB2750-4F0-XX-W2A-W\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 148.7  | 4.8       |
| 10°-20°   | 408.2  | 13.3      |
| 20°-30°   | 535.3  | 17.4      |
| 30°-40°   | 565.8  | 18.4      |
| 40°-50°   | 525.3  | 17.1      |
| 50°-60°   | 420.4  | 13.7      |
| 60°-70°   | 287.5  | 9.4       |
| 70°-80°   | 148.4  | 4.8       |
| 80°-90°   | 35.2   | 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°    | 1092.3 | 35.5      |
| 0°-40°    | 1658.1 | 53.9      |
| 0°-60°    | 2603.8 | 84.7      |
| 0°-90°    | 3075.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3075.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1511 | 1511 | 1511 | 1511 | 1511 |      |
| 5°  | 1513 | 1975 | 1513 | 1211 | 1513 | 143  |
| 15° | 1406 | 1885 | 1406 | 889  | 1406 | 395  |
| 25° | 1225 | 1248 | 1225 | 701  | 1225 | 560  |
| 35° | 978  | 922  | 978  | 576  | 978  | 611  |
| 45° | 727  | 642  | 727  | 488  | 727  | 561  |
| 55° | 488  | 369  | 488  | 384  | 488  | 439  |
| 65° | 291  | 222  | 291  | 272  | 291  | 290  |
| 75° | 137  | 107  | 137  | 144  | 137  | 147  |
| 85° | 28   | 23   | 28   | 29   | 28   | 35   |
| 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°    | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 |
| 1°    | 1524.8 | 1551.8 | 1549.8 | 1586.1 | 1594.4 | 1586.1 | 1549.8 | 1551.8 | 1524.8 | 1494.7 | 1466.7 |
| 2°    | 1524.8 | 1586.1 | 1614.1 | 1671.3 | 1687.9 | 1671.3 | 1614.1 | 1586.1 | 1524.8 | 1460.4 | 1402.3 |
| 3°    | 1522.7 | 1616.2 | 1682.7 | 1761.6 | 1801.1 | 1761.6 | 1682.7 | 1616.2 | 1522.7 | 1429.3 | 1349.3 |
| 4°    | 1517.6 | 1647.4 | 1752.3 | 1857.2 | 1892.5 | 1857.2 | 1752.3 | 1647.4 | 1517.6 | 1399.1 | 1308.8 |
| 5°    | 1513.4 | 1686.9 | 1825.0 | 1951.7 | 1974.6 | 1951.7 | 1825.0 | 1686.9 | 1513.4 | 1370.1 | 1269.3 |
| 6°    | 1506.1 | 1726.3 | 1883.2 | 2022.4 | 2069.1 | 2022.4 | 1883.2 | 1726.3 | 1506.1 | 1342.0 | 1234.0 |
| 7°    | 1496.8 | 1752.3 | 1948.6 | 2078.5 | 2107.5 | 2078.5 | 1948.6 | 1752.3 | 1496.8 | 1309.8 | 1189.3 |
| 8°    | 1492.6 | 1794.9 | 2000.5 | 2123.1 | 2134.5 | 2123.1 | 2000.5 | 1794.9 | 1492.6 | 1279.7 | 1149.8 |
| 9°    | 1485.4 | 1812.5 | 2037.9 | 2136.6 | 2146.0 | 2136.6 | 2037.9 | 1812.5 | 1485.4 | 1264.1 | 1130.1 |
| 10°   | 1473.9 | 1839.5 | 2064.9 | 2140.8 | 2136.6 | 2140.8 | 2064.9 | 1839.5 | 1473.9 | 1231.9 | 1096.9 |
| 11°   | 1459.4 | 1870.7 | 2079.5 | 2125.2 | 2114.8 | 2125.2 | 2079.5 | 1870.7 | 1459.4 | 1205.9 | 1066.8 |
| 12°   | 1445.9 | 1892.5 | 2085.7 | 2096.1 | 2073.3 | 2096.1 | 2085.7 | 1892.5 | 1445.9 | 1183.1 | 1046.0 |
| 13°   | 1437.6 | 1901.9 | 2081.6 | 2059.8 | 2008.9 | 2059.8 | 2081.6 | 1901.9 | 1437.6 | 1157.1 | 1020.0 |
| 14°   | 1423.0 | 1922.6 | 2070.1 | 2003.7 | 1950.7 | 2003.7 | 2070.1 | 1922.6 | 1423.0 | 1128.0 | 996.1  |
| 15°   | 1406.4 | 1928.9 | 2051.4 | 1946.5 | 1885.3 | 1946.5 | 2051.4 | 1928.9 | 1406.4 | 1104.1 | 971.2  |
| 16°   | 1386.7 | 1936.1 | 2017.2 | 1875.9 | 1793.8 | 1875.9 | 2017.2 | 1936.1 | 1386.7 | 1077.1 | 948.3  |
| 17°   | 1376.3 | 1940.3 | 1991.2 | 1806.3 | 1718.0 | 1806.3 | 1991.2 | 1940.3 | 1376.3 | 1056.4 | 928.6  |
| 18°   | 1359.7 | 1937.2 | 1944.5 | 1748.1 | 1648.4 | 1748.1 | 1944.5 | 1937.2 | 1359.7 | 1032.5 | 899.5  |
| 19°   | 1336.8 | 1929.9 | 1897.7 | 1674.4 | 1593.4 | 1674.4 | 1897.7 | 1929.9 | 1336.8 | 1009.6 | 877.7  |
| 20°   | 1316.0 | 1926.8 | 1845.8 | 1606.9 | 1513.4 | 1606.9 | 1845.8 | 1926.8 | 1316.0 | 988.8  | 856.9  |
| 21°   | 1301.5 | 1916.4 | 1798.0 | 1542.5 | 1446.9 | 1542.5 | 1798.0 | 1916.4 | 1301.5 | 969.1  | 841.4  |
| 22.5° | 1269.3 | 1896.7 | 1718.0 | 1443.8 | 1359.7 | 1443.8 | 1718.0 | 1896.7 | 1269.3 | 935.9  | 807.1  |
| 23°   | 1260.0 | 1890.4 | 1697.2 | 1421.0 | 1349.3 | 1421.0 | 1697.2 | 1890.4 | 1260.0 | 928.6  | 795.6  |
| 24°   | 1236.1 | 1870.7 | 1648.4 | 1359.7 | 1283.8 | 1359.7 | 1648.4 | 1870.7 | 1236.1 | 905.8  | 777.0  |
| 25°   | 1224.6 | 1852.0 | 1588.2 | 1309.8 | 1247.5 | 1309.8 | 1588.2 | 1852.0 | 1224.6 | 885.0  | 764.5  |
| 26°   | 1199.7 | 1825.0 | 1534.2 | 1268.3 | 1196.6 | 1268.3 | 1534.2 | 1825.0 | 1199.7 | 866.3  | 744.8  |
| 27°   | 1170.6 | 1805.3 | 1478.1 | 1219.4 | 1159.2 | 1219.4 | 1478.1 | 1805.3 | 1170.6 | 846.5  | 729.2  |
| 28°   | 1149.8 | 1773.1 | 1424.1 | 1181.0 | 1122.8 | 1181.0 | 1424.1 | 1773.1 | 1149.8 | 824.7  | 717.7  |
| 29°   | 1130.1 | 1748.1 | 1380.4 | 1136.3 | 1085.4 | 1136.3 | 1380.4 | 1748.1 | 1130.1 | 806.0  | 700.1  |
| 30°   | 1103.1 | 1714.9 | 1325.4 | 1101.0 | 1054.3 | 1101.0 | 1325.4 | 1714.9 | 1103.1 | 784.2  | 684.5  |
| 32.5° | 1038.7 | 1636.0 | 1213.2 | 1022.1 | 982.6  | 1022.1 | 1213.2 | 1636.0 | 1038.7 | 740.6  | 647.1  |
| 35°   | 978.5  | 1547.7 | 1110.4 | 948.3  | 922.4  | 948.3  | 1110.4 | 1547.7 | 978.5  | 693.9  | 617.0  |
| 37.5° | 915.1  | 1455.2 | 1016.9 | 883.9  | 859.0  | 883.9  | 1016.9 | 1455.2 | 915.1  | 651.3  | 582.7  |
| 40°   | 851.7  | 1363.8 | 936.9  | 822.7  | 789.4  | 822.7  | 936.9  | 1363.8 | 851.7  | 609.7  | 552.6  |
| 42.5° | 792.5  | 1256.8 | 859.0  | 758.3  | 719.8  | 758.3  | 859.0  | 1256.8 | 792.5  | 570.2  | 523.5  |
| 45°   | 727.1  | 1159.2 | 789.4  | 690.7  | 641.9  | 690.7  | 789.4  | 1159.2 | 727.1  | 532.9  | 494.4  |
| 47.5° | 664.8  | 1058.4 | 729.2  | 623.2  | 560.9  | 623.2  | 729.2  | 1058.4 | 664.8  | 495.5  | 466.4  |
| 50°   | 605.6  | 960.8  | 661.7  | 547.4  | 491.3  | 547.4  | 661.7  | 960.8  | 605.6  | 461.2  | 437.3  |
| 52.5° | 545.3  | 869.4  | 602.4  | 478.8  | 422.8  | 478.8  | 602.4  | 869.4  | 545.3  | 430.0  | 409.3  |
| 55°   | 488.2  | 773.8  | 543.2  | 412.4  | 368.7  | 412.4  | 543.2  | 773.8  | 488.2  | 393.7  | 377.1  |
| 57.5° | 435.2  | 682.4  | 485.1  | 360.4  | 331.3  | 360.4  | 485.1  | 682.4  | 435.2  | 358.4  | 348.0  |
| 60°   | 386.4  | 598.3  | 427.9  | 312.7  | 289.8  | 312.7  | 427.9  | 598.3  | 386.4  | 324.1  | 318.9  |
| 62.5° | 333.4  | 522.5  | 373.9  | 272.1  | 252.4  | 272.1  | 373.9  | 522.5  | 333.4  | 290.8  | 288.8  |
| 65°   | 290.8  | 445.6  | 317.8  | 235.8  | 222.3  | 235.8  | 317.8  | 445.6  | 290.8  | 257.6  | 256.6  |



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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° | 248.3 | 372.9 | 269.0 | 201.5 | 191.1 | 201.5  | 269.0 | 372.9  | 248.3 | 224.4  | 224.4 |
| 70°   | 211.9 | 307.5 | 222.3 | 170.3 | 162.0 | 170.3  | 222.3 | 307.5  | 211.9 | 191.1  | 192.2 |
| 72.5° | 171.4 | 247.2 | 180.7 | 139.2 | 131.9 | 139.2  | 180.7 | 247.2  | 171.4 | 160.0  | 163.1 |
| 75°   | 137.1 | 195.3 | 142.3 | 112.2 | 107.0 | 112.2  | 142.3 | 195.3  | 137.1 | 127.8  | 131.9 |
| 77.5° | 104.9 | 143.3 | 104.9 | 86.2  | 82.1  | 86.2   | 104.9 | 143.3  | 104.9 | 99.7   | 103.9 |
| 80°   | 74.8  | 100.8 | 74.8  | 61.3  | 60.2  | 61.3   | 74.8  | 100.8  | 74.8  | 71.7   | 76.9  |
| 82.5° | 49.9  | 64.4  | 48.8  | 41.5  | 39.5  | 41.5   | 48.8  | 64.4   | 49.9  | 48.8   | 50.9  |
| 85°   | 28.0  | 35.3  | 27.0  | 23.9  | 22.9  | 23.9   | 27.0  | 35.3   | 28.0  | 28.0   | 30.1  |
| 87.5° | 12.5  | 13.5  | 11.4  | 10.4  | 9.3   | 10.4   | 11.4  | 13.5   | 12.5  | 13.5   | 13.5  |
| 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°    | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 | 1511.3 |
| 1°    | 1449.0 | 1434.5 | 1449.0 | 1466.7 | 1494.7 | 1524.8 |
| 2°    | 1386.7 | 1366.9 | 1386.7 | 1402.3 | 1460.4 | 1524.8 |
| 3°    | 1321.2 | 1318.1 | 1321.2 | 1349.3 | 1429.3 | 1522.7 |
| 4°    | 1278.6 | 1264.1 | 1278.6 | 1308.8 | 1399.1 | 1517.6 |
| 5°    | 1227.8 | 1211.1 | 1227.8 | 1269.3 | 1370.1 | 1513.4 |
| 6°    | 1184.1 | 1161.3 | 1184.1 | 1234.0 | 1342.0 | 1506.1 |
| 7°    | 1135.3 | 1118.7 | 1135.3 | 1189.3 | 1309.8 | 1496.8 |
| 8°    | 1116.6 | 1096.9 | 1116.6 | 1149.8 | 1279.7 | 1492.6 |
| 9°    | 1075.1 | 1053.2 | 1075.1 | 1130.1 | 1264.1 | 1485.4 |
| 10°   | 1049.1 | 1022.1 | 1049.1 | 1096.9 | 1231.9 | 1473.9 |
| 11°   | 1017.9 | 992.0  | 1017.9 | 1066.8 | 1205.9 | 1459.4 |
| 12°   | 999.2  | 976.4  | 999.2  | 1046.0 | 1183.1 | 1445.9 |
| 13°   | 966.0  | 936.9  | 966.0  | 1020.0 | 1157.1 | 1437.6 |
| 14°   | 942.1  | 917.2  | 942.1  | 996.1  | 1128.0 | 1423.0 |
| 15°   | 912.0  | 889.1  | 912.0  | 971.2  | 1104.1 | 1406.4 |
| 16°   | 892.2  | 862.1  | 892.2  | 948.3  | 1077.1 | 1386.7 |
| 17°   | 862.1  | 842.4  | 862.1  | 928.6  | 1056.4 | 1376.3 |
| 18°   | 840.3  | 821.6  | 840.3  | 899.5  | 1032.5 | 1359.7 |
| 19°   | 824.7  | 802.9  | 824.7  | 877.7  | 1009.6 | 1336.8 |
| 20°   | 802.9  | 784.2  | 802.9  | 856.9  | 988.8  | 1316.0 |
| 21°   | 782.1  | 765.5  | 782.1  | 841.4  | 969.1  | 1301.5 |
| 22.5° | 762.4  | 739.6  | 762.4  | 807.1  | 935.9  | 1269.3 |
| 23°   | 751.0  | 732.3  | 751.0  | 795.6  | 928.6  | 1260.0 |
| 24°   | 737.5  | 715.7  | 737.5  | 777.0  | 905.8  | 1236.1 |
| 25°   | 719.8  | 701.1  | 719.8  | 764.5  | 885.0  | 1224.6 |
| 26°   | 704.2  | 686.6  | 704.2  | 744.8  | 866.3  | 1199.7 |
| 27°   | 688.7  | 666.8  | 688.7  | 729.2  | 846.5  | 1170.6 |
| 28°   | 675.2  | 654.4  | 675.2  | 717.7  | 824.7  | 1149.8 |
| 29°   | 657.5  | 637.8  | 657.5  | 700.1  | 806.0  | 1130.1 |
| 30°   | 645.0  | 627.4  | 645.0  | 684.5  | 784.2  | 1103.1 |
| 32.5° | 610.8  | 600.4  | 610.8  | 647.1  | 740.6  | 1038.7 |
| 35°   | 581.7  | 576.5  | 581.7  | 617.0  | 693.9  | 978.5  |
| 37.5° | 559.9  | 555.7  | 559.9  | 582.7  | 651.3  | 915.1  |
| 40°   | 534.9  | 536.0  | 534.9  | 552.6  | 609.7  | 851.7  |
| 42.5° | 511.0  | 513.1  | 511.0  | 523.5  | 570.2  | 792.5  |
| 45°   | 488.2  | 488.2  | 488.2  | 494.4  | 532.9  | 727.1  |
| 47.5° | 462.2  | 464.3  | 462.2  | 466.4  | 495.5  | 664.8  |
| 50°   | 436.3  | 438.3  | 436.3  | 437.3  | 461.2  | 605.6  |
| 52.5° | 409.3  | 411.3  | 409.3  | 409.3  | 430.0  | 545.3  |
| 55°   | 380.2  | 384.3  | 380.2  | 377.1  | 393.7  | 488.2  |
| 57.5° | 350.0  | 355.2  | 350.0  | 348.0  | 358.4  | 435.2  |
| 60°   | 323.0  | 328.2  | 323.0  | 318.9  | 324.1  | 386.4  |
| 62.5° | 295.0  | 300.2  | 295.0  | 288.8  | 290.8  | 333.4  |
| 65°   | 265.9  | 272.1  | 265.9  | 256.6  | 257.6  | 290.8  |



TEST NUMBER: P1051214

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**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 234.7  | 239.9 | 234.7  | 224.4 | 224.4  | 248.3 |
| 70°   | 204.6  | 208.8 | 204.6  | 192.2 | 191.1  | 211.9 |
| 72.5° | 173.5  | 177.6 | 173.5  | 163.1 | 160.0  | 171.4 |
| 75°   | 141.3  | 144.4 | 141.3  | 131.9 | 127.8  | 137.1 |
| 77.5° | 112.2  | 112.2 | 112.2  | 103.9 | 99.7   | 104.9 |
| 80°   | 81.0   | 81.0  | 81.0   | 76.9  | 71.7   | 74.8  |
| 82.5° | 54.0   | 54.0  | 54.0   | 50.9  | 48.8   | 49.9  |
| 85°   | 30.1   | 29.1  | 30.1   | 30.1  | 28.0   | 28.0  |
| 87.5° | 11.4   | 12.5  | 11.4   | 13.5  | 13.5   | 12.5  |
| 90°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

TEST NUMBER: P1051214

CATALOG NUMBER: S122DS-B675DB2750-4F0-XX-W2A-W\_3500K

**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 | 21.89            | 23.42 | 22.26 | 23.73 | 24.04 | 19.21          | 20.73 | 19.57 | 21.04 | 21.36 |
|                 | 3H   | 23.11            | 24.48 | 23.49 | 24.80 | 25.17 | 20.53          | 21.90 | 20.91 | 22.23 | 22.59 |
|                 | 4H   | 23.50            | 24.79 | 23.90 | 25.14 | 25.51 | 20.99          | 22.27 | 21.39 | 22.62 | 23.00 |
|                 | 6H   | 23.75            | 24.93 | 24.16 | 25.30 | 25.69 | 21.30          | 22.48 | 21.71 | 22.85 | 23.24 |
|                 | 8H   | 23.81            | 24.93 | 24.23 | 25.32 | 25.72 | 21.38          | 22.50 | 21.80 | 22.89 | 23.29 |
|                 | 12H  | 23.83            | 24.91 | 24.26 | 25.29 | 25.72 | 21.42          | 22.50 | 21.85 | 22.88 | 23.31 |
| 4H              | 2H   | 22.18            | 23.46 | 22.58 | 23.81 | 24.19 | 20.17          | 21.45 | 20.57 | 21.80 | 22.18 |
|                 | 3H   | 23.67            | 24.74 | 24.09 | 25.14 | 25.54 | 21.63          | 22.70 | 22.04 | 23.10 | 23.50 |
|                 | 4H   | 24.23            | 25.19 | 24.67 | 25.61 | 26.05 | 22.15          | 23.11 | 22.59 | 23.53 | 23.97 |
|                 | 6H   | 24.60            | 25.44 | 25.06 | 25.88 | 26.34 | 22.52          | 23.36 | 22.98 | 23.80 | 24.26 |
|                 | 8H   | 24.69            | 25.47 | 25.16 | 25.92 | 26.38 | 22.63          | 23.40 | 23.09 | 23.85 | 24.32 |
|                 | 12H  | 24.75            | 25.44 | 25.23 | 25.92 | 26.39 | 22.69          | 23.39 | 23.17 | 23.86 | 24.33 |
| 8H              | 4H   | 24.37            | 25.15 | 24.84 | 25.60 | 26.06 | 22.56          | 23.34 | 23.02 | 23.78 | 24.25 |
|                 | 6H   | 24.84            | 25.48 | 25.33 | 25.97 | 26.45 | 23.01          | 23.65 | 23.50 | 24.14 | 24.62 |
|                 | 8H   | 24.98            | 25.56 | 25.50 | 26.07 | 26.56 | 23.15          | 23.73 | 23.66 | 24.24 | 24.72 |
|                 | 12H  | 25.09            | 25.60 | 25.60 | 26.09 | 26.66 | 23.26          | 23.77 | 23.77 | 24.26 | 24.82 |
| 12H             | 4H   | 24.37            | 25.07 | 24.85 | 25.55 | 26.02 | 22.60          | 23.30 | 23.08 | 23.78 | 24.25 |
|                 | 6H   | 24.84            | 25.42 | 25.36 | 25.93 | 26.42 | 23.07          | 23.65 | 23.58 | 24.16 | 24.64 |
|                 | 8H   | 25.03            | 25.54 | 25.54 | 26.03 | 26.60 | 23.26          | 23.77 | 23.77 | 24.26 | 24.82 |