

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: P1051212

Luminaire Tested: S122DS-B675DB2750-4F0-XX-W2A-W\_2700K

Issue Date: 7/9/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1051212  
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\_2700K  
Description: Define 2 Direct Surface with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3035.0 lumens  
Efficiency: N/A  
Efficacy: 84.5 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

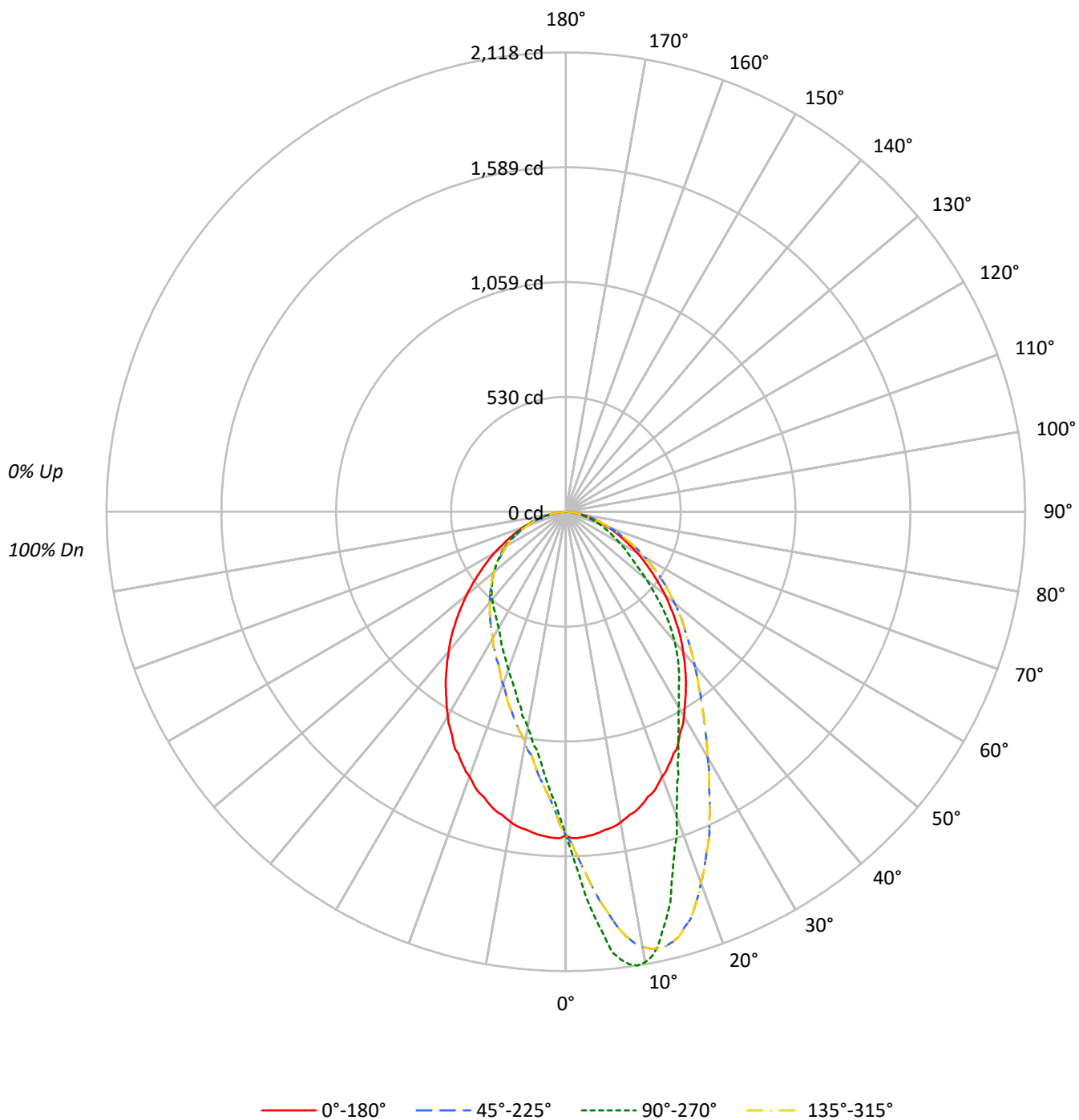
Input Watts (W): 35.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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CATALOG NUMBER: S122DS-B675DB2750-4F0-XX-W2A-W\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1051212

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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°  | 23613 | 23613 | 23613 | 23613 |
| 5°  | 23735 | 30968 | 23735 | 18995 |
| 10° | 23384 | 33896 | 23384 | 16215 |
| 15° | 22748 | 30493 | 22748 | 14382 |
| 20° | 21880 | 25162 | 21880 | 13038 |
| 25° | 21111 | 21505 | 21111 | 12086 |
| 30° | 19901 | 19020 | 19901 | 11318 |
| 35° | 18661 | 17593 | 18661 | 10995 |
| 40° | 17372 | 16099 | 17372 | 10931 |
| 45° | 16064 | 14184 | 16064 | 10786 |
| 50° | 14719 | 11941 | 14719 | 10653 |
| 55° | 13296 | 10043 | 13296 | 10468 |
| 60° | 12075 | 9054  | 12075 | 10257 |
| 65° | 10753 | 8218  | 10753 | 10060 |
| 70° | 9678  | 7400  | 9678  | 9539  |
| 75° | 8275  | 6458  | 8275  | 8715  |
| 80° | 6727  | 5424  | 6727  | 7293  |
| 85° | 5031  | 4105  | 5031  | 5213  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25612 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 146.8  | 4.8       |
| 10°-20°   | 402.9  | 13.3      |
| 20°-30°   | 528.4  | 17.4      |
| 30°-40°   | 558.4  | 18.4      |
| 40°-50°   | 518.5  | 17.1      |
| 50°-60°   | 415.0  | 13.7      |
| 60°-70°   | 283.8  | 9.4       |
| 70°-80°   | 146.5  | 4.8       |
| 80°-90°   | 34.8   | 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°    | 1078.1 | 35.5      |
| 0°-40°    | 1636.5 | 53.9      |
| 0°-60°    | 2569.9 | 84.7      |
| 0°-90°    | 3035.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3035.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1492 | 1492 | 1492 | 1492 | 1492 |      |
| 5°  | 1494 | 1949 | 1494 | 1195 | 1494 | 141  |
| 15° | 1388 | 1861 | 1388 | 878  | 1388 | 390  |
| 25° | 1209 | 1231 | 1209 | 692  | 1209 | 553  |
| 35° | 966  | 910  | 966  | 569  | 966  | 603  |
| 45° | 718  | 634  | 718  | 482  | 718  | 554  |
| 55° | 482  | 364  | 482  | 379  | 482  | 433  |
| 65° | 287  | 219  | 287  | 269  | 287  | 286  |
| 75° | 135  | 106  | 135  | 142  | 135  | 145  |
| 85° | 28   | 23   | 28   | 29   | 28   | 34   |
| 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°    | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 |
| 1°    | 1505.0 | 1531.6 | 1529.6 | 1565.5 | 1573.7 | 1565.5 | 1529.6 | 1531.6 | 1505.0 | 1475.3 | 1447.6 |
| 2°    | 1505.0 | 1565.5 | 1593.2 | 1649.5 | 1665.9 | 1649.5 | 1593.2 | 1565.5 | 1505.0 | 1441.4 | 1384.0 |
| 3°    | 1502.9 | 1595.2 | 1660.8 | 1738.7 | 1777.7 | 1738.7 | 1660.8 | 1595.2 | 1502.9 | 1410.7 | 1331.7 |
| 4°    | 1497.8 | 1626.0 | 1729.5 | 1833.0 | 1867.9 | 1833.0 | 1729.5 | 1626.0 | 1497.8 | 1380.9 | 1291.7 |
| 5°    | 1493.7 | 1664.9 | 1801.3 | 1926.3 | 1948.9 | 1926.3 | 1801.3 | 1664.9 | 1493.7 | 1352.2 | 1252.8 |
| 6°    | 1486.5 | 1703.9 | 1858.7 | 1996.1 | 2042.2 | 1996.1 | 1858.7 | 1703.9 | 1486.5 | 1324.6 | 1217.9 |
| 7°    | 1477.3 | 1729.5 | 1923.3 | 2051.4 | 2080.1 | 2051.4 | 1923.3 | 1729.5 | 1477.3 | 1292.8 | 1173.8 |
| 8°    | 1473.2 | 1771.5 | 1974.5 | 2095.5 | 2106.8 | 2095.5 | 1974.5 | 1771.5 | 1473.2 | 1263.0 | 1134.9 |
| 9°    | 1466.0 | 1789.0 | 2011.4 | 2108.8 | 2118.1 | 2108.8 | 2011.4 | 1789.0 | 1466.0 | 1247.7 | 1115.4 |
| 10°   | 1454.8 | 1815.6 | 2038.1 | 2112.9 | 2108.8 | 2112.9 | 2038.1 | 1815.6 | 1454.8 | 1215.9 | 1082.6 |
| 11°   | 1440.4 | 1846.4 | 2052.4 | 2097.5 | 2087.3 | 2097.5 | 2052.4 | 1846.4 | 1440.4 | 1190.3 | 1052.9 |
| 12°   | 1427.1 | 1867.9 | 2058.6 | 2068.8 | 2046.3 | 2068.8 | 2058.6 | 1867.9 | 1427.1 | 1167.7 | 1032.4 |
| 13°   | 1418.9 | 1877.1 | 2054.5 | 2033.0 | 1982.7 | 2033.0 | 2054.5 | 1877.1 | 1418.9 | 1142.1 | 1006.7 |
| 14°   | 1404.5 | 1897.6 | 2043.2 | 1977.6 | 1925.3 | 1977.6 | 2043.2 | 1897.6 | 1404.5 | 1113.4 | 983.2  |
| 15°   | 1388.1 | 1903.8 | 2024.8 | 1921.2 | 1860.7 | 1921.2 | 2024.8 | 1903.8 | 1388.1 | 1089.8 | 958.6  |
| 16°   | 1368.6 | 1911.0 | 1990.9 | 1851.5 | 1770.5 | 1851.5 | 1990.9 | 1911.0 | 1368.6 | 1063.1 | 936.0  |
| 17°   | 1358.4 | 1915.1 | 1965.3 | 1782.8 | 1695.7 | 1782.8 | 1965.3 | 1915.1 | 1358.4 | 1042.6 | 916.5  |
| 18°   | 1342.0 | 1912.0 | 1919.2 | 1725.4 | 1627.0 | 1725.4 | 1919.2 | 1912.0 | 1342.0 | 1019.0 | 887.8  |
| 19°   | 1319.4 | 1904.8 | 1873.0 | 1652.6 | 1572.6 | 1652.6 | 1873.0 | 1904.8 | 1319.4 | 996.5  | 866.3  |
| 20°   | 1298.9 | 1901.7 | 1821.8 | 1586.0 | 1493.7 | 1586.0 | 1821.8 | 1901.7 | 1298.9 | 976.0  | 845.8  |
| 21°   | 1284.6 | 1891.5 | 1774.6 | 1522.4 | 1428.1 | 1522.4 | 1774.6 | 1891.5 | 1284.6 | 956.5  | 830.4  |
| 22.5° | 1252.8 | 1872.0 | 1695.7 | 1425.0 | 1342.0 | 1425.0 | 1695.7 | 1872.0 | 1252.8 | 923.7  | 796.6  |
| 23°   | 1243.6 | 1865.9 | 1675.2 | 1402.5 | 1331.7 | 1402.5 | 1675.2 | 1865.9 | 1243.6 | 916.5  | 785.3  |
| 24°   | 1220.0 | 1846.4 | 1627.0 | 1342.0 | 1267.1 | 1342.0 | 1627.0 | 1846.4 | 1220.0 | 894.0  | 766.8  |
| 25°   | 1208.7 | 1827.9 | 1567.5 | 1292.8 | 1231.3 | 1292.8 | 1567.5 | 1827.9 | 1208.7 | 873.5  | 754.5  |
| 26°   | 1184.1 | 1801.3 | 1514.2 | 1251.8 | 1181.0 | 1251.8 | 1514.2 | 1801.3 | 1184.1 | 855.0  | 735.1  |
| 27°   | 1155.4 | 1781.8 | 1458.9 | 1203.6 | 1144.1 | 1203.6 | 1458.9 | 1781.8 | 1155.4 | 835.5  | 719.7  |
| 28°   | 1134.9 | 1750.0 | 1405.5 | 1165.6 | 1108.2 | 1165.6 | 1405.5 | 1750.0 | 1134.9 | 814.0  | 708.4  |
| 29°   | 1115.4 | 1725.4 | 1362.5 | 1121.6 | 1071.3 | 1121.6 | 1362.5 | 1725.4 | 1115.4 | 795.6  | 691.0  |
| 30°   | 1088.8 | 1692.6 | 1308.1 | 1086.7 | 1040.6 | 1086.7 | 1308.1 | 1692.6 | 1088.8 | 774.0  | 675.6  |
| 32.5° | 1025.2 | 1614.7 | 1197.4 | 1008.8 | 969.8  | 1008.8 | 1197.4 | 1614.7 | 1025.2 | 731.0  | 638.7  |
| 35°   | 965.7  | 1527.5 | 1095.9 | 936.0  | 910.4  | 936.0  | 1095.9 | 1527.5 | 965.7  | 684.8  | 609.0  |
| 37.5° | 903.2  | 1436.3 | 1003.7 | 872.4  | 847.8  | 872.4  | 1003.7 | 1436.3 | 903.2  | 642.8  | 575.1  |
| 40°   | 840.7  | 1346.1 | 924.7  | 812.0  | 779.1  | 812.0  | 924.7  | 1346.1 | 840.7  | 601.8  | 545.4  |
| 42.5° | 782.2  | 1240.5 | 847.8  | 748.4  | 710.5  | 748.4  | 847.8  | 1240.5 | 782.2  | 562.8  | 516.7  |
| 45°   | 717.6  | 1144.1 | 779.1  | 681.8  | 633.6  | 681.8  | 779.1  | 1144.1 | 717.6  | 525.9  | 488.0  |
| 47.5° | 656.1  | 1044.7 | 719.7  | 615.1  | 553.6  | 615.1  | 719.7  | 1044.7 | 656.1  | 489.0  | 460.3  |
| 50°   | 597.7  | 948.3  | 653.0  | 540.3  | 484.9  | 540.3  | 653.0  | 948.3  | 597.7  | 455.2  | 431.6  |
| 52.5° | 538.2  | 858.1  | 594.6  | 472.6  | 417.3  | 472.6  | 594.6  | 858.1  | 538.2  | 424.4  | 403.9  |
| 55°   | 481.8  | 763.8  | 536.2  | 407.0  | 363.9  | 407.0  | 536.2  | 763.8  | 481.8  | 388.5  | 372.1  |
| 57.5° | 429.6  | 673.6  | 478.8  | 355.7  | 327.0  | 355.7  | 478.8  | 673.6  | 429.6  | 353.7  | 343.4  |
| 60°   | 381.4  | 590.5  | 422.4  | 308.6  | 286.0  | 308.6  | 422.4  | 590.5  | 381.4  | 319.9  | 314.7  |
| 62.5° | 329.1  | 515.7  | 369.1  | 268.6  | 249.1  | 268.6  | 369.1  | 515.7  | 329.1  | 287.1  | 285.0  |
| 65°   | 287.1  | 439.8  | 313.7  | 232.7  | 219.4  | 232.7  | 313.7  | 439.8  | 287.1  | 254.2  | 253.2  |



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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° | 245.0 | 368.0 | 265.5 | 198.9 | 188.6 | 198.9  | 265.5 | 368.0  | 245.0 | 221.4  | 221.4 |
| 70°   | 209.1 | 303.5 | 219.4 | 168.1 | 159.9 | 168.1  | 219.4 | 303.5  | 209.1 | 188.6  | 189.7 |
| 72.5° | 169.2 | 244.0 | 178.4 | 137.4 | 130.2 | 137.4  | 178.4 | 244.0  | 169.2 | 157.9  | 161.0 |
| 75°   | 135.3 | 192.7 | 140.5 | 110.7 | 105.6 | 110.7  | 140.5 | 192.7  | 135.3 | 126.1  | 130.2 |
| 77.5° | 103.5 | 141.5 | 103.5 | 85.1  | 81.0  | 85.1   | 103.5 | 141.5  | 103.5 | 98.4   | 102.5 |
| 80°   | 73.8  | 99.4  | 73.8  | 60.5  | 59.5  | 60.5   | 73.8  | 99.4   | 73.8  | 70.7   | 75.9  |
| 82.5° | 49.2  | 63.6  | 48.2  | 41.0  | 39.0  | 41.0   | 48.2  | 63.6   | 49.2  | 48.2   | 50.2  |
| 85°   | 27.7  | 34.9  | 26.7  | 23.6  | 22.6  | 23.6   | 26.7  | 34.9   | 27.7  | 27.7   | 29.7  |
| 87.5° | 12.3  | 13.3  | 11.3  | 10.3  | 9.2   | 10.3   | 11.3  | 13.3   | 12.3  | 13.3   | 13.3  |
| 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°    | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 | 1491.7 |
| 1°    | 1430.1 | 1415.8 | 1430.1 | 1447.6 | 1475.3 | 1505.0 |
| 2°    | 1368.6 | 1349.2 | 1368.6 | 1384.0 | 1441.4 | 1505.0 |
| 3°    | 1304.0 | 1301.0 | 1304.0 | 1331.7 | 1410.7 | 1502.9 |
| 4°    | 1262.0 | 1247.7 | 1262.0 | 1291.7 | 1380.9 | 1497.8 |
| 5°    | 1211.8 | 1195.4 | 1211.8 | 1252.8 | 1352.2 | 1493.7 |
| 6°    | 1168.7 | 1146.2 | 1168.7 | 1217.9 | 1324.6 | 1486.5 |
| 7°    | 1120.5 | 1104.1 | 1120.5 | 1173.8 | 1292.8 | 1477.3 |
| 8°    | 1102.1 | 1082.6 | 1102.1 | 1134.9 | 1263.0 | 1473.2 |
| 9°    | 1061.1 | 1039.5 | 1061.1 | 1115.4 | 1247.7 | 1466.0 |
| 10°   | 1035.4 | 1008.8 | 1035.4 | 1082.6 | 1215.9 | 1454.8 |
| 11°   | 1004.7 | 979.1  | 1004.7 | 1052.9 | 1190.3 | 1440.4 |
| 12°   | 986.2  | 963.7  | 986.2  | 1032.4 | 1167.7 | 1427.1 |
| 13°   | 953.4  | 924.7  | 953.4  | 1006.7 | 1142.1 | 1418.9 |
| 14°   | 929.9  | 905.2  | 929.9  | 983.2  | 1113.4 | 1404.5 |
| 15°   | 900.1  | 877.6  | 900.1  | 958.6  | 1089.8 | 1388.1 |
| 16°   | 880.6  | 850.9  | 880.6  | 936.0  | 1063.1 | 1368.6 |
| 17°   | 850.9  | 831.4  | 850.9  | 916.5  | 1042.6 | 1358.4 |
| 18°   | 829.4  | 810.9  | 829.4  | 887.8  | 1019.0 | 1342.0 |
| 19°   | 814.0  | 792.5  | 814.0  | 866.3  | 996.5  | 1319.4 |
| 20°   | 792.5  | 774.0  | 792.5  | 845.8  | 976.0  | 1298.9 |
| 21°   | 772.0  | 755.6  | 772.0  | 830.4  | 956.5  | 1284.6 |
| 22.5° | 752.5  | 729.9  | 752.5  | 796.6  | 923.7  | 1252.8 |
| 23°   | 741.2  | 722.8  | 741.2  | 785.3  | 916.5  | 1243.6 |
| 24°   | 727.9  | 706.4  | 727.9  | 766.8  | 894.0  | 1220.0 |
| 25°   | 710.5  | 692.0  | 710.5  | 754.5  | 873.5  | 1208.7 |
| 26°   | 695.1  | 677.7  | 695.1  | 735.1  | 855.0  | 1184.1 |
| 27°   | 679.7  | 658.2  | 679.7  | 719.7  | 835.5  | 1155.4 |
| 28°   | 666.4  | 645.9  | 666.4  | 708.4  | 814.0  | 1134.9 |
| 29°   | 648.9  | 629.5  | 648.9  | 691.0  | 795.6  | 1115.4 |
| 30°   | 636.6  | 619.2  | 636.6  | 675.6  | 774.0  | 1088.8 |
| 32.5° | 602.8  | 592.6  | 602.8  | 638.7  | 731.0  | 1025.2 |
| 35°   | 574.1  | 569.0  | 574.1  | 609.0  | 684.8  | 965.7  |
| 37.5° | 552.6  | 548.5  | 552.6  | 575.1  | 642.8  | 903.2  |
| 40°   | 528.0  | 529.0  | 528.0  | 545.4  | 601.8  | 840.7  |
| 42.5° | 504.4  | 506.4  | 504.4  | 516.7  | 562.8  | 782.2  |
| 45°   | 481.8  | 481.8  | 481.8  | 488.0  | 525.9  | 717.6  |
| 47.5° | 456.2  | 458.3  | 456.2  | 460.3  | 489.0  | 656.1  |
| 50°   | 430.6  | 432.6  | 430.6  | 431.6  | 455.2  | 597.7  |
| 52.5° | 403.9  | 406.0  | 403.9  | 403.9  | 424.4  | 538.2  |
| 55°   | 375.2  | 379.3  | 375.2  | 372.1  | 388.5  | 481.8  |
| 57.5° | 345.5  | 350.6  | 345.5  | 343.4  | 353.7  | 429.6  |
| 60°   | 318.8  | 324.0  | 318.8  | 314.7  | 319.9  | 381.4  |
| 62.5° | 291.2  | 296.3  | 291.2  | 285.0  | 287.1  | 329.1  |
| 65°   | 262.4  | 268.6  | 262.4  | 253.2  | 254.2  | 287.1  |



TEST NUMBER: P1051212

CATALOG NUMBER: S122DS-B675DB2750-4F0-XX-W2A-W\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 231.7  | 236.8 | 231.7  | 221.4 | 221.4  | 245.0 |
| 70°   | 202.0  | 206.1 | 202.0  | 189.7 | 188.6  | 209.1 |
| 72.5° | 171.2  | 175.3 | 171.2  | 161.0 | 157.9  | 169.2 |
| 75°   | 139.4  | 142.5 | 139.4  | 130.2 | 126.1  | 135.3 |
| 77.5° | 110.7  | 110.7 | 110.7  | 102.5 | 98.4   | 103.5 |
| 80°   | 80.0   | 80.0  | 80.0   | 75.9  | 70.7   | 73.8  |
| 82.5° | 53.3   | 53.3  | 53.3   | 50.2  | 48.2   | 49.2  |
| 85°   | 29.7   | 28.7  | 29.7   | 29.7  | 27.7   | 27.7  |
| 87.5° | 11.3   | 12.3  | 11.3   | 13.3  | 13.3   | 12.3  |
| 90°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

TEST NUMBER: P1051212

CATALOG NUMBER: S122DS-B675DB2750-4F0-XX-W2A-W\_2700K

**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 | 21.85            | 23.37 | 22.21 | 23.68 | 24.00 | 19.16          | 20.68 | 19.53 | 21.00 | 21.31 |
|                 | 3H   | 23.06            | 24.43 | 23.44 | 24.76 | 25.12 | 20.49          | 21.85 | 20.87 | 22.18 | 22.54 |
|                 | 4H   | 23.46            | 24.74 | 23.86 | 25.09 | 25.47 | 20.95          | 22.23 | 21.35 | 22.58 | 22.96 |
|                 | 6H   | 23.70            | 24.89 | 24.11 | 25.25 | 25.64 | 21.25          | 22.43 | 21.66 | 22.80 | 23.19 |
|                 | 8H   | 23.76            | 24.89 | 24.19 | 25.28 | 25.68 | 21.33          | 22.46 | 21.76 | 22.85 | 23.25 |
|                 | 12H  | 23.79            | 24.87 | 24.22 | 25.25 | 25.68 | 21.37          | 22.45 | 21.80 | 22.83 | 23.26 |
| 4H              | 2H   | 22.13            | 23.42 | 22.53 | 23.77 | 24.14 | 20.12          | 21.41 | 20.52 | 21.75 | 22.13 |
|                 | 3H   | 23.63            | 24.69 | 24.04 | 25.09 | 25.50 | 21.59          | 22.65 | 22.00 | 23.05 | 23.46 |
|                 | 4H   | 24.19            | 25.15 | 24.62 | 25.56 | 26.00 | 22.11          | 23.07 | 22.54 | 23.48 | 23.92 |
|                 | 6H   | 24.56            | 25.39 | 25.01 | 25.83 | 26.29 | 22.48          | 23.31 | 22.94 | 23.76 | 24.22 |
|                 | 8H   | 24.65            | 25.43 | 25.11 | 25.87 | 26.34 | 22.58          | 23.36 | 23.04 | 23.80 | 24.27 |
|                 | 12H  | 24.70            | 25.40 | 25.18 | 25.87 | 26.35 | 22.64          | 23.34 | 23.13 | 23.82 | 24.29 |
| 8H              | 4H   | 24.33            | 25.11 | 24.79 | 25.55 | 26.02 | 22.51          | 23.29 | 22.98 | 23.74 | 24.20 |
|                 | 6H   | 24.79            | 25.43 | 25.29 | 25.93 | 26.40 | 22.96          | 23.61 | 23.46 | 24.10 | 24.57 |
|                 | 8H   | 24.94            | 25.52 | 25.45 | 26.03 | 26.51 | 23.10          | 23.68 | 23.62 | 24.19 | 24.68 |
|                 | 12H  | 25.04            | 25.55 | 25.55 | 26.04 | 26.61 | 23.21          | 23.72 | 23.72 | 24.21 | 24.78 |
| 12H             | 4H   | 24.33            | 25.02 | 24.81 | 25.50 | 25.97 | 22.56          | 23.25 | 23.04 | 23.73 | 24.20 |
|                 | 6H   | 24.80            | 25.37 | 25.31 | 25.88 | 26.37 | 23.02          | 23.60 | 23.54 | 24.11 | 24.60 |
|                 | 8H   | 24.99            | 25.50 | 25.50 | 25.99 | 26.55 | 23.21          | 23.72 | 23.72 | 24.21 | 24.78 |