

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: PORTFOLIO

Report Number: P1326552

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326552  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

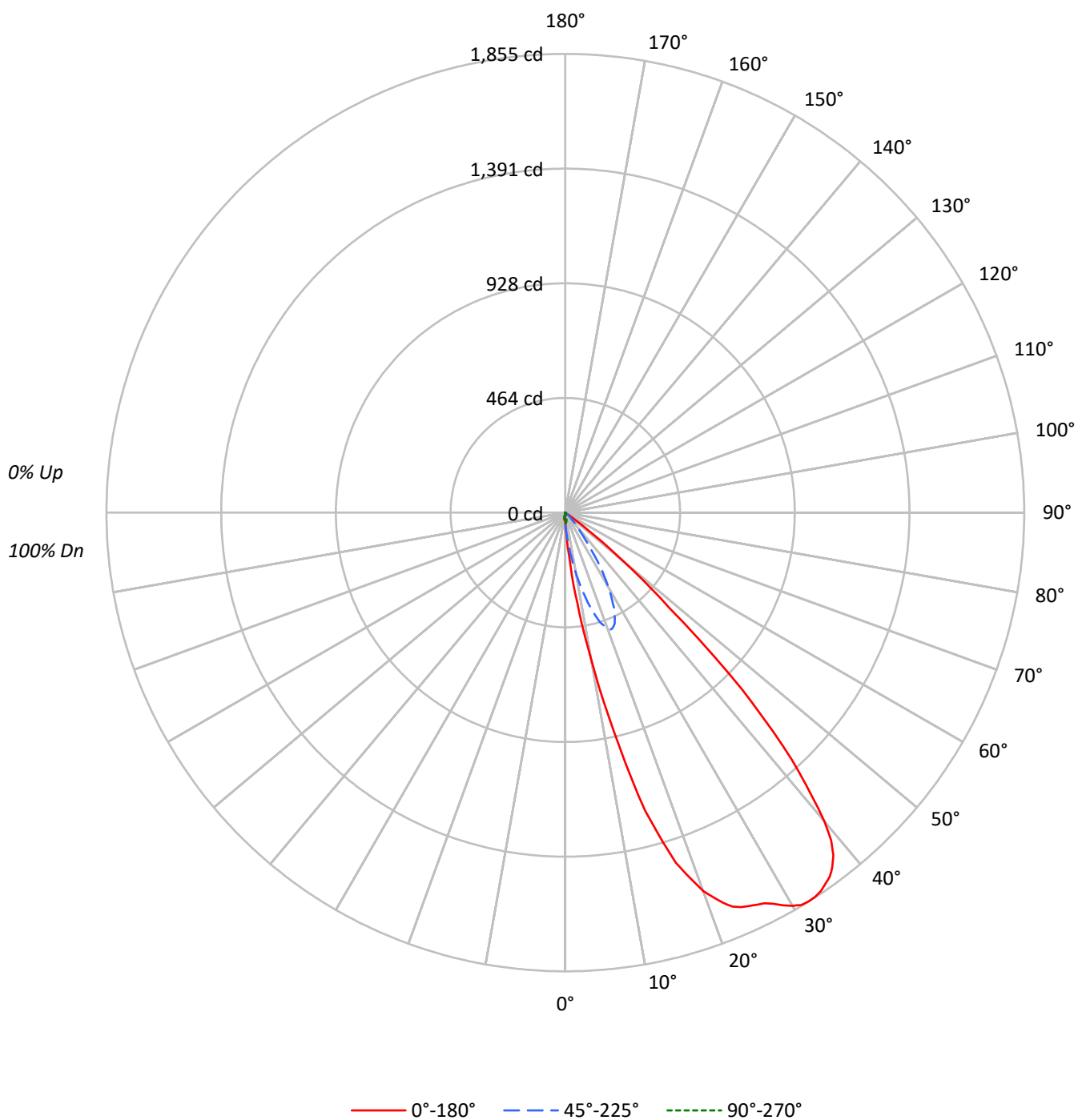
Lumens per Lamp: N/A  
Luminaire Lumens: 554.0 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
Input Voltage (V): NR  
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: P1326552

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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   | 113 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 91  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |
| 5   | 86  | 76  | 70  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 46  | 55  | 50  | 46  | 45  |    |    |
| 9   | 66  | 54  | 47  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |    |    |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 7199   | 7199  | 7199 | 7199 | 7199 |
| 5°  | 31257  | 19363 | 6673 | 2368 | 1642 |
| 10° | 105190 | 43720 | 4984 | 560  | 192  |
| 15° | 222587 | 71711 | 3102 | 0    | 0    |
| 20° | 298446 | 91638 | 1448 | 0    | 0    |
| 25° | 333535 | 89978 | 304  | 0    | 0    |
| 30° | 365137 | 68947 | 0    | 0    | 0    |
| 35° | 385358 | 37550 | 0    | 0    | 0    |
| 40° | 366323 | 16862 | 0    | 0    | 0    |
| 45° | 245873 | 7477  | 0    | 0    | 0    |
| 50° | 82121  | 697   | 0    | 0    | 0    |
| 55° | 4444   | 0     | 0    | 0    | 0    |
| 60° | 0      | 0     | 172  | 0    | 0    |
| 65° | 0      | 0     | 448  | 0    | 0    |
| 70° | 0      | 252   | 554  | 0    | 0    |
| 75° | 0      | 333   | 732  | 0    | 0    |
| 80° | 0      | 496   | 1091 | 0    | 0    |
| 85° | 0      | 988   | 2174 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 245873 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.0    | 1.6       |
| 10°-20°   | 76.9   | 13.9      |
| 20°-30°   | 168.7  | 30.4      |
| 30°-40°   | 195.1  | 35.2      |
| 40°-50°   | 96.3   | 17.4      |
| 50°-60°   | 7.1    | 1.3       |
| 60°-70°   | 0.2    | 0.0       |
| 70°-80°   | 0.4    | 0.1       |
| 80°-90°   | 0.4    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 254.5  | 45.9      |
| 0°-40°    | 449.6  | 81.1      |
| 0°-60°    | 553.0  | 99.8      |
| 0°-90°    | 554.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 554.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 42   | 42  | 42  | 42   | 42   |      |
| 5°  | 181  | 112 | 39  | 14   | 10   | 31   |
| 15° | 1248 | 402 | 17  | 0    | 0    | 352  |
| 25° | 1755 | 474 | 2   | 0    | 0    | 811  |
| 35° | 1833 | 179 | 0   | 0    | 0    | 1132 |
| 45° | 1010 | 31  | 0   | 0    | 0    | 741  |
| 55° | 15   | 0   | 0   | 0    | 0    | 60   |
| 65° | 0    | 0   | 1   | 0    | 0    | 0    |
| 75° | 0    | 0   | 1   | 0    | 0    | 0    |
| 85° | 0    | 0   | 1   | 0    | 0    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°   | 45°   | 67.5° | 90°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0°    | 41.8   | 41.8   | 41.8   | 41.8   | 41.8   | 41.8   | 41.8   | 41.8  | 41.8  | 41.8  | 41.8 |
| 2.5°  | 83.0   | 85.1   | 84.0   | 84.0   | 83.5   | 80.9   | 76.1   | 74.5  | 68.7  | 54.4  | 42.3 |
| 5°    | 180.8  | 181.3  | 179.7  | 171.8  | 164.9  | 158.6  | 144.8  | 138.5 | 112.0 | 66.6  | 38.6 |
| 7.5°  | 366.8  | 358.9  | 348.8  | 337.7  | 313.4  | 291.2  | 262.1  | 231.5 | 173.4 | 77.2  | 34.4 |
| 10°   | 601.5  | 590.4  | 581.9  | 555.5  | 511.6  | 466.2  | 410.7  | 360.4 | 250.0 | 84.6  | 28.5 |
| 12.5° | 904.3  | 897.9  | 867.8  | 815.0  | 750.0  | 684.4  | 587.7  | 507.9 | 327.2 | 86.1  | 23.3 |
| 15°   | 1248.4 | 1237.8 | 1191.8 | 1116.8 | 1028.5 | 925.4  | 795.9  | 661.7 | 402.2 | 81.4  | 17.4 |
| 17.5° | 1483.5 | 1477.7 | 1438.1 | 1359.3 | 1257.9 | 1126.8 | 973.5  | 806.0 | 464.0 | 71.3  | 12.2 |
| 20°   | 1628.4 | 1619.9 | 1582.9 | 1516.3 | 1410.1 | 1273.2 | 1091.4 | 897.9 | 500.0 | 58.7  | 7.9  |
| 21°   | 1665.9 | 1657.4 | 1627.8 | 1558.6 | 1457.1 | 1310.2 | 1123.6 | 920.1 | 506.8 | 52.9  | 6.3  |
| 22°   | 1701.3 | 1692.8 | 1661.7 | 1600.3 | 1499.9 | 1346.7 | 1149.0 | 937.1 | 505.8 | 48.1  | 4.8  |
| 23°   | 1730.9 | 1721.9 | 1691.2 | 1634.7 | 1533.8 | 1378.9 | 1168.0 | 945.5 | 498.9 | 43.3  | 3.7  |
| 24°   | 1746.2 | 1740.9 | 1713.4 | 1660.1 | 1561.2 | 1401.6 | 1181.2 | 948.7 | 490.5 | 38.6  | 2.6  |
| 25°   | 1755.2 | 1748.9 | 1721.9 | 1672.8 | 1579.2 | 1419.6 | 1189.7 | 946.0 | 473.5 | 34.4  | 1.6  |
| 26°   | 1764.7 | 1755.2 | 1724.5 | 1677.0 | 1588.7 | 1428.0 | 1190.2 | 939.2 | 455.6 | 30.7  | 0.5  |
| 27°   | 1773.2 | 1764.2 | 1732.5 | 1680.2 | 1590.3 | 1425.4 | 1186.0 | 926.0 | 433.9 | 27.0  | 0.5  |
| 28°   | 1791.7 | 1781.6 | 1745.2 | 1687.0 | 1591.9 | 1418.5 | 1172.8 | 908.0 | 405.4 | 23.8  | 0.0  |
| 29°   | 1816.0 | 1805.4 | 1763.7 | 1703.4 | 1595.6 | 1411.1 | 1154.8 | 884.2 | 380.5 | 21.1  | 0.0  |
| 30°   | 1836.1 | 1826.5 | 1788.0 | 1724.0 | 1605.1 | 1404.3 | 1133.7 | 852.0 | 346.7 | 18.0  | 0.0  |
| 31°   | 1850.9 | 1841.3 | 1805.9 | 1741.5 | 1613.6 | 1397.9 | 1107.2 | 818.7 | 316.1 | 15.9  | 0.0  |
| 32°   | 1854.6 | 1846.6 | 1813.3 | 1748.9 | 1613.6 | 1388.4 | 1082.9 | 781.1 | 285.9 | 13.2  | 0.0  |
| 33°   | 1853.0 | 1845.0 | 1811.2 | 1743.6 | 1599.3 | 1365.7 | 1053.3 | 736.2 | 251.6 | 11.6  | 0.0  |
| 34°   | 1847.2 | 1837.6 | 1801.7 | 1726.7 | 1571.3 | 1327.1 | 1010.5 | 691.3 | 215.6 | 9.5   | 0.0  |
| 35°   | 1832.9 | 1824.4 | 1785.3 | 1694.9 | 1527.9 | 1268.4 | 953.4  | 639.5 | 178.6 | 7.9   | 0.0  |
| 36°   | 1819.2 | 1806.5 | 1758.4 | 1655.8 | 1470.9 | 1208.2 | 885.3  | 579.8 | 146.9 | 6.3   | 0.0  |
| 37°   | 1793.8 | 1775.8 | 1727.2 | 1599.3 | 1390.0 | 1123.1 | 807.6  | 514.2 | 123.1 | 4.8   | 0.0  |
| 38°   | 1760.0 | 1735.6 | 1673.8 | 1533.8 | 1308.6 | 1043.3 | 734.6  | 455.1 | 103.6 | 3.2   | 0.0  |
| 39°   | 1707.6 | 1679.1 | 1595.1 | 1443.9 | 1214.5 | 950.8  | 651.1  | 392.2 | 88.3  | 2.1   | 0.0  |
| 40°   | 1629.4 | 1602.5 | 1509.4 | 1337.1 | 1121.0 | 848.8  | 565.5  | 321.3 | 75.0  | 1.1   | 0.0  |
| 42.5° | 1356.7 | 1319.7 | 1211.9 | 1040.6 | 828.7  | 610.4  | 374.2  | 178.6 | 49.7  | 0.0   | 0.0  |
| 45°   | 1009.5 | 976.7  | 871.0  | 715.1  | 552.3  | 373.7  | 200.3  | 105.2 | 30.7  | 0.0   | 0.0  |
| 47.5° | 570.3  | 566.6  | 497.9  | 410.7  | 308.1  | 198.7  | 101.5  | 63.4  | 13.2  | 0.0   | 0.0  |
| 50°   | 306.5  | 287.5  | 247.9  | 188.2  | 128.4  | 86.7   | 55.0   | 34.9  | 2.6   | 0.0   | 0.0  |
| 52.5° | 112.0  | 108.3  | 90.9   | 75.6   | 58.1   | 39.6   | 28.0   | 15.3  | 0.0   | 0.0   | 0.0  |
| 55°   | 14.8   | 13.7   | 14.3   | 15.3   | 15.9   | 13.7   | 9.0    | 3.2   | 0.0   | 0.0   | 0.0  |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.5    | 1.1    | 1.1    | 1.1    | 0.0   | 0.0   | 0.0   | 0.5  |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 0.5  |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 0.5  |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 1.1  |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 1.1   | 1.1  |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.1   | 1.1  |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.1   | 1.1  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.1   | 1.1  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.1   | 1.1  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.1   | 1.1  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1   | 1.1 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1   | 1.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1   | 1.1 |
| 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: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0°    | 41.8   | 41.8 | 41.8   | 41.8 |
| 2.5°  | 32.2   | 24.8 | 21.1   | 20.6 |
| 5°    | 22.2   | 13.7 | 10.0   | 9.5  |
| 7.5°  | 15.3   | 6.9  | 4.8    | 4.2  |
| 10°   | 9.0    | 3.2  | 1.6    | 1.1  |
| 12.5° | 5.3    | 0.5  | 0.0    | 0.0  |
| 15°   | 1.6    | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 21°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 39°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 65°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 70°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 75°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 80°   | 0.5    | 0.0  | 0.0    | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 85°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 87.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)