

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: P1325858

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQCA45R 1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1325858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R15W2N902765DE010 3LSQCA45R 1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,  
3LSQCA45R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

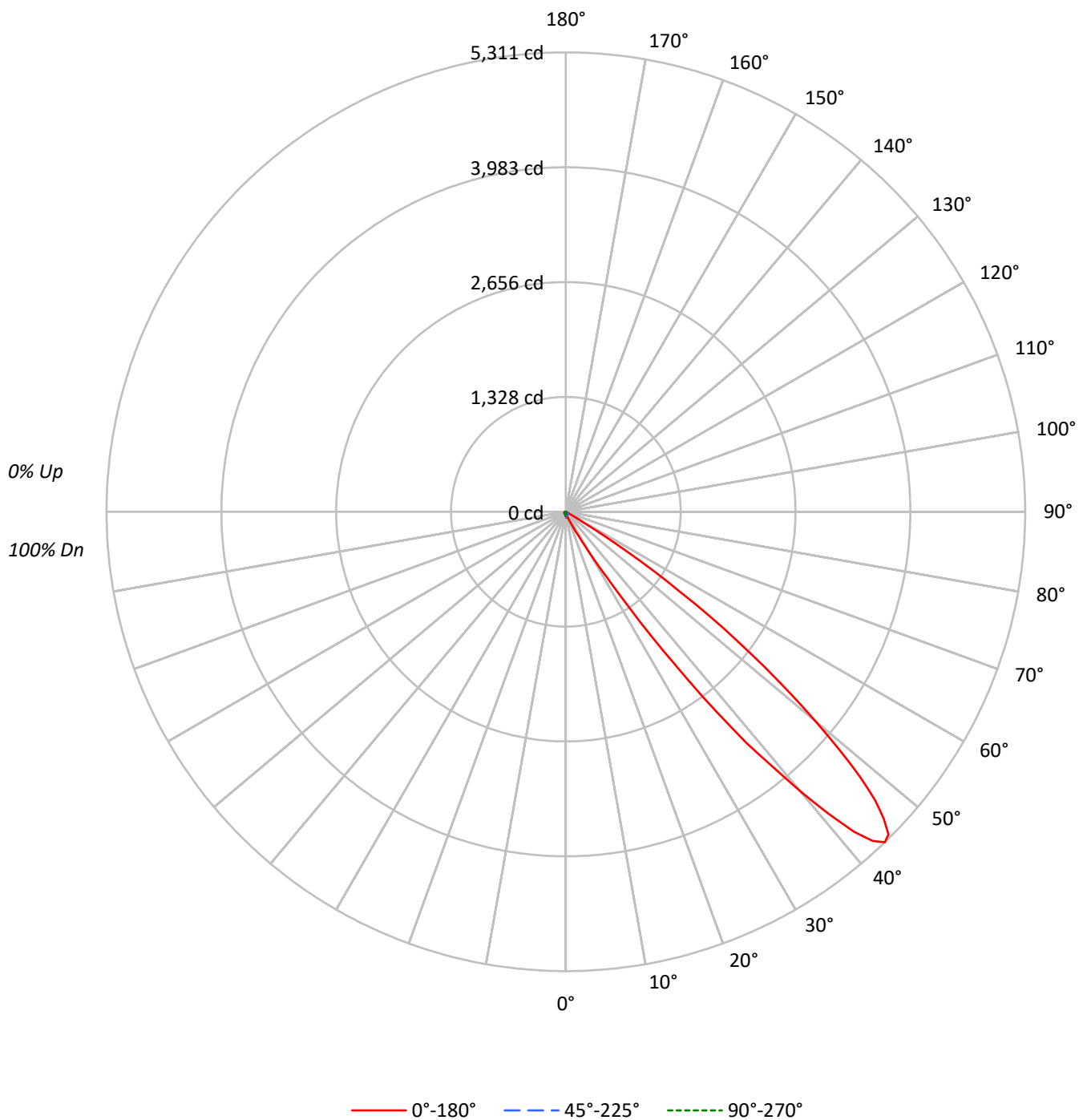
Lumens per Lamp: N/A  
Luminaire Lumens: 593.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1325858

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### Luminous Intensity Polar Plot



TEST NUMBER: P1325858

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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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  | 87  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  | 73  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 50  | 50  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 42  | 42  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  | 35  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 29  | 29  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 24  | 24  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  | 20  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 17  | 17  |

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

|     | 0°      | 45°   | 90°  | 135° | 180°  |
|-----|---------|-------|------|------|-------|
| 0°  | 9059    | 9059  | 9059 | 9059 | 9059  |
| 5°  | 11237   | 10010 | 8177 | 7157 | 7054  |
| 10° | 11070   | 8587  | 6313 | 5579 | 5684  |
| 15° | 9165    | 6116  | 4529 | 4636 | 4957  |
| 20° | 15927   | 4875  | 3464 | 4014 | 4545  |
| 25° | 35497   | 5834  | 2812 | 3706 | 4276  |
| 30° | 106174  | 7179  | 2466 | 3639 | 4474  |
| 35° | 408737  | 8073  | 2229 | 3721 | 4731  |
| 40° | 948721  | 7037  | 2136 | 3844 | 5058  |
| 45° | 1285020 | 5334  | 1875 | 4165 | 5480  |
| 50° | 1007554 | 3162  | 1902 | 4448 | 6028  |
| 55° | 483600  | 1411  | 1772 | 4804 | 6576  |
| 60° | 44192   | 207   | 1619 | 5098 | 7337  |
| 65° | 4809    | 0     | 1426 | 5298 | 7947  |
| 70° | 1209    | 0     | 1762 | 5640 | 8611  |
| 75° | 1198    | 399   | 2329 | 6321 | 9848  |
| 80° | 1190    | 1190  | 2975 | 6447 | 10513 |
| 85° | 1186    | 1186  | 4742 | 5928 | 11659 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1285020 cd/sqm

TEST NUMBER: P1325858

CATALOG NUMBER: LDSQA3D09R15W2N902765DE010 3LSQCA45R 1MW\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.5    | 0.8       |
| 10°-20°   | 9.4    | 1.6       |
| 20°-30°   | 22.4   | 3.8       |
| 30°-40°   | 122.7  | 20.7      |
| 40°-50°   | 297.0  | 50.1      |
| 50°-60°   | 118.5  | 20.0      |
| 60°-70°   | 10.2   | 1.7       |
| 70°-80°   | 5.8    | 1.0       |
| 80°-90°   | 2.6    | 0.4       |
| 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°    | 36.3   | 6.1       |
| 0°-40°    | 158.9  | 26.8      |
| 0°-60°    | 574.4  | 96.9      |
| 0°-90°    | 593.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 593.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 53   | 53  | 53  | 53   | 53   |      |
| 5°  | 65   | 58  | 47  | 41   | 41   | 6    |
| 15° | 51   | 34  | 25  | 26   | 28   | 18   |
| 25° | 187  | 31  | 15  | 20   | 22   | 113  |
| 35° | 1944 | 38  | 11  | 18   | 22   | 1374 |
| 45° | 5276 | 22  | 8   | 17   | 22   | 3722 |
| 55° | 1611 | 5   | 6   | 16   | 22   | 1500 |
| 65° | 12   | 0   | 4   | 13   | 20   | 30   |
| 75° | 2    | 1   | 4   | 10   | 15   | 2    |
| 85° | 1    | 1   | 2   | 3    | 6    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

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CATALOG NUMBER: LDSQA3D09R15W2N902765DE010 3LSQCA45R 1MW\_3500K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0°    | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6  | 52.6  | 52.6 |
| 2.5°  | 59.1   | 59.1   | 59.7   | 59.1   | 59.1   | 59.1   | 59.1   | 58.5   | 58.5  | 58.5  | 56.8 |
| 5°    | 65.0   | 65.0   | 65.0   | 65.0   | 64.4   | 64.4   | 64.4   | 63.9   | 63.9  | 63.3  | 57.9 |
| 7.5°  | 67.4   | 67.4   | 66.8   | 66.8   | 66.2   | 66.2   | 65.6   | 65.0   | 64.4  | 63.9  | 55.6 |
| 10°   | 63.3   | 63.3   | 63.3   | 62.7   | 62.7   | 62.1   | 61.5   | 60.9   | 60.3  | 59.1  | 49.1 |
| 12.5° | 56.2   | 56.2   | 56.8   | 56.2   | 55.6   | 55.0   | 53.8   | 53.2   | 52.6  | 51.4  | 40.8 |
| 15°   | 51.4   | 51.4   | 51.4   | 50.8   | 50.3   | 49.1   | 48.5   | 47.3   | 46.7  | 44.9  | 34.3 |
| 17.5° | 65.6   | 65.6   | 65.0   | 63.9   | 61.5   | 59.7   | 56.8   | 54.4   | 51.4  | 47.9  | 29.6 |
| 20°   | 86.9   | 86.9   | 85.7   | 84.6   | 81.6   | 78.6   | 73.9   | 69.8   | 65.0  | 60.9  | 26.6 |
| 22.5° | 125.9  | 127.7  | 124.2  | 120.0  | 115.9  | 108.8  | 102.3  | 95.8   | 87.5  | 80.4  | 27.2 |
| 25°   | 186.8  | 188.6  | 186.8  | 177.4  | 169.7  | 160.2  | 147.8  | 134.8  | 120.6 | 107.6 | 30.7 |
| 27.5° | 302.7  | 303.9  | 301.0  | 277.9  | 265.5  | 240.6  | 218.8  | 197.5  | 173.8 | 150.2 | 33.7 |
| 30°   | 533.9  | 534.5  | 515.6  | 469.5  | 428.7  | 374.3  | 328.2  | 283.8  | 246.6 | 208.7 | 36.1 |
| 31°   | 703.0  | 686.5  | 646.3  | 590.7  | 525.6  | 452.3  | 389.1  | 331.7  | 276.1 | 235.3 | 36.7 |
| 32°   | 892.8  | 890.5  | 823.6  | 727.3  | 640.4  | 548.7  | 453.5  | 380.2  | 316.3 | 260.8 | 37.3 |
| 33°   | 1144.1 | 1145.3 | 1040.1 | 926.5  | 784.0  | 661.0  | 536.3  | 435.8  | 358.9 | 290.9 | 38.4 |
| 34°   | 1536.7 | 1444.5 | 1320.9 | 1167.2 | 973.2  | 788.2  | 626.2  | 500.2  | 397.3 | 319.9 | 38.4 |
| 35°   | 1944.1 | 1851.3 | 1715.3 | 1482.3 | 1216.3 | 957.3  | 733.2  | 569.4  | 443.5 | 351.2 | 38.4 |
| 36°   | 2400.6 | 2321.9 | 2116.2 | 1818.8 | 1479.4 | 1116.9 | 846.7  | 649.2  | 489.0 | 379.6 | 37.8 |
| 37°   | 2893.7 | 2778.4 | 2550.2 | 2225.6 | 1771.5 | 1341.6 | 985.1  | 728.5  | 534.5 | 410.3 | 36.7 |
| 38°   | 3394.5 | 3290.5 | 3002.5 | 2609.3 | 2120.3 | 1578.7 | 1123.4 | 804.7  | 576.5 | 433.4 | 34.9 |
| 39°   | 3774.1 | 3717.4 | 3431.8 | 2992.5 | 2398.8 | 1803.4 | 1265.9 | 886.3  | 620.8 | 456.5 | 33.1 |
| 40°   | 4219.9 | 4128.3 | 3857.5 | 3314.1 | 2728.2 | 2032.2 | 1405.5 | 958.5  | 657.5 | 474.8 | 31.3 |
| 41°   | 4626.7 | 4510.9 | 4169.1 | 3644.0 | 2991.9 | 2238.0 | 1537.9 | 1033.0 | 687.1 | 485.4 | 30.2 |
| 42°   | 4975.6 | 4840.8 | 4483.7 | 3926.7 | 3212.4 | 2402.4 | 1643.7 | 1086.2 | 714.9 | 494.3 | 28.4 |
| 43°   | 5201.5 | 5085.0 | 4733.8 | 4138.9 | 3401.0 | 2553.1 | 1742.5 | 1141.8 | 732.0 | 500.2 | 26.0 |
| 44°   | 5311.4 | 5193.8 | 4853.8 | 4272.0 | 3516.9 | 2643.6 | 1806.4 | 1180.2 | 750.9 | 507.9 | 24.2 |
| 45°   | 5276.0 | 5156.5 | 4827.8 | 4274.3 | 3553.0 | 2676.1 | 1833.5 | 1197.3 | 761.0 | 515.0 | 21.9 |
| 46°   | 5113.4 | 5029.4 | 4698.3 | 4163.2 | 3484.4 | 2641.2 | 1818.2 | 1184.3 | 757.4 | 515.0 | 19.5 |
| 47°   | 4885.1 | 4789.3 | 4474.2 | 3972.2 | 3318.2 | 2551.4 | 1756.1 | 1144.7 | 735.5 | 503.2 | 17.1 |
| 48°   | 4574.1 | 4492.5 | 4161.4 | 3668.9 | 3063.4 | 2355.6 | 1616.0 | 1080.3 | 701.3 | 480.1 | 14.8 |
| 49°   | 4183.9 | 4070.3 | 3762.3 | 3281.0 | 2731.1 | 2077.7 | 1432.1 | 971.5  | 646.3 | 447.6 | 13.0 |
| 50°   | 3760.5 | 3620.4 | 3382.7 | 2892.5 | 2387.6 | 1781.5 | 1190.2 | 821.3  | 568.8 | 405.0 | 11.8 |
| 51°   | 3346.0 | 3203.5 | 2977.1 | 2560.2 | 2021.0 | 1478.2 | 960.2  | 655.7  | 468.3 | 346.5 | 10.1 |
| 52°   | 2916.2 | 2796.7 | 2543.1 | 2215.5 | 1730.1 | 1197.9 | 800.0  | 554.6  | 389.1 | 290.9 | 8.3  |
| 53°   | 2488.1 | 2406.5 | 2165.3 | 1833.5 | 1390.1 | 978.6  | 653.4  | 474.8  | 339.4 | 248.9 | 6.5  |
| 54°   | 2059.4 | 1970.1 | 1786.8 | 1491.2 | 1120.5 | 772.2  | 554.0  | 397.3  | 294.5 | 217.0 | 5.9  |
| 55°   | 1610.6 | 1564.5 | 1395.4 | 1137.0 | 849.1  | 616.1  | 449.4  | 341.8  | 246.6 | 181.5 | 4.7  |
| 56°   | 1240.5 | 1188.5 | 1034.1 | 824.8  | 630.9  | 482.5  | 363.6  | 279.1  | 208.7 | 152.0 | 3.5  |
| 57°   | 812.4  | 759.2  | 656.9  | 575.9  | 459.4  | 351.8  | 277.9  | 220.0  | 169.7 | 125.9 | 3.0  |
| 58°   | 480.1  | 431.6  | 415.7  | 354.8  | 306.3  | 238.9  | 205.2  | 163.8  | 125.4 | 99.3  | 1.8  |
| 59°   | 220.5  | 224.1  | 199.3  | 186.8  | 169.7  | 152.0  | 124.8  | 109.4  | 85.7  | 71.5  | 1.2  |
| 60°   | 128.3  | 121.2  | 118.3  | 105.8  | 94.0   | 83.4   | 75.1   | 66.2   | 53.8  | 46.1  | 0.6  |
| 62.5° | 43.8   | 42.0   | 43.2   | 39.0   | 36.7   | 35.5   | 32.5   | 27.8   | 23.1  | 18.9  | 0.0  |
| 65°   | 11.8   | 11.8   | 11.2   | 10.6   | 10.1   | 9.5    | 8.9    | 7.7    | 7.1   | 5.9   | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 4.1 | 4.1  | 3.5 | 3.5  | 3.0 | 3.0   | 2.4 | 2.4   | 1.8 | 1.8   | 0.0 |
| 70°   | 2.4 | 2.4  | 2.4 | 1.8  | 1.8 | 1.8   | 1.2 | 1.2   | 1.2 | 0.6   | 0.0 |
| 72.5° | 1.8 | 1.8  | 1.8 | 1.8  | 1.8 | 1.8   | 1.2 | 1.2   | 1.2 | 0.6   | 0.6 |
| 75°   | 1.8 | 1.8  | 1.8 | 1.2  | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 | 1.2   | 0.6 |
| 77.5° | 1.2 | 1.2  | 1.2 | 1.2  | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 |
| 80°   | 1.2 | 1.2  | 1.2 | 1.2  | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 | 0.6   | 1.2 |
| 82.5° | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 1.2 |
| 85°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.6 |
| 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):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 52.6  | 52.6 | 52.6   | 52.6 | 52.6   | 52.6 |
| 2.5°  | 54.4  | 52.0 | 49.1   | 47.3 | 46.7   | 46.1 |
| 5°    | 52.0  | 47.3 | 43.8   | 41.4 | 40.8   | 40.8 |
| 7.5°  | 46.7  | 41.4 | 37.8   | 36.7 | 36.1   | 36.1 |
| 10°   | 40.8  | 36.1 | 33.1   | 31.9 | 32.5   | 32.5 |
| 12.5° | 34.3  | 30.2 | 29.0   | 29.0 | 29.6   | 30.2 |
| 15°   | 27.8  | 25.4 | 25.4   | 26.0 | 27.2   | 27.8 |
| 17.5° | 23.1  | 21.9 | 22.5   | 23.7 | 24.8   | 26.0 |
| 20°   | 18.9  | 18.9 | 20.1   | 21.9 | 23.7   | 24.8 |
| 22.5° | 16.0  | 16.6 | 18.3   | 20.1 | 22.5   | 23.7 |
| 25°   | 13.6  | 14.8 | 16.6   | 19.5 | 21.9   | 22.5 |
| 27.5° | 11.8  | 13.6 | 16.0   | 18.9 | 21.3   | 22.5 |
| 30°   | 10.1  | 12.4 | 15.4   | 18.3 | 21.3   | 22.5 |
| 31°   | 9.5   | 11.8 | 14.8   | 18.3 | 21.3   | 22.5 |
| 32°   | 8.9   | 11.8 | 14.8   | 18.3 | 21.3   | 22.5 |
| 33°   | 8.3   | 11.2 | 14.8   | 17.7 | 21.3   | 22.5 |
| 34°   | 7.7   | 11.2 | 14.8   | 18.3 | 21.3   | 22.5 |
| 35°   | 7.1   | 10.6 | 14.2   | 17.7 | 20.7   | 22.5 |
| 36°   | 6.5   | 10.6 | 14.2   | 17.7 | 21.3   | 22.5 |
| 37°   | 5.9   | 10.6 | 14.2   | 17.7 | 20.7   | 22.5 |
| 38°   | 5.9   | 10.1 | 13.6   | 17.7 | 20.7   | 22.5 |
| 39°   | 5.3   | 9.5  | 13.6   | 17.7 | 20.7   | 22.5 |
| 40°   | 4.7   | 9.5  | 13.0   | 17.1 | 20.7   | 22.5 |
| 41°   | 4.1   | 8.9  | 13.0   | 17.1 | 20.7   | 22.5 |
| 42°   | 3.5   | 8.9  | 13.0   | 17.1 | 20.7   | 22.5 |
| 43°   | 3.0   | 8.3  | 12.4   | 17.1 | 20.7   | 22.5 |
| 44°   | 3.0   | 8.3  | 12.4   | 17.1 | 20.7   | 22.5 |
| 45°   | 2.4   | 7.7  | 11.8   | 17.1 | 20.7   | 22.5 |
| 46°   | 2.4   | 7.7  | 11.8   | 16.6 | 20.7   | 22.5 |
| 47°   | 1.8   | 7.7  | 11.8   | 16.6 | 20.7   | 22.5 |
| 48°   | 1.8   | 7.1  | 11.8   | 16.6 | 20.7   | 22.5 |
| 49°   | 1.2   | 7.1  | 11.8   | 16.6 | 20.7   | 22.5 |
| 50°   | 1.2   | 7.1  | 11.2   | 16.6 | 20.7   | 22.5 |
| 51°   | 1.2   | 7.1  | 11.2   | 16.6 | 20.7   | 22.5 |
| 52°   | 1.2   | 6.5  | 11.2   | 16.6 | 20.7   | 22.5 |
| 53°   | 1.2   | 6.5  | 11.2   | 16.6 | 20.7   | 22.5 |
| 54°   | 1.2   | 6.5  | 10.6   | 16.6 | 20.7   | 22.5 |
| 55°   | 1.2   | 5.9  | 10.6   | 16.0 | 20.7   | 21.9 |
| 56°   | 1.2   | 5.9  | 10.6   | 16.0 | 20.7   | 21.9 |
| 57°   | 1.2   | 5.9  | 10.1   | 16.0 | 20.7   | 21.9 |
| 58°   | 1.2   | 5.3  | 10.1   | 15.4 | 20.1   | 21.9 |
| 59°   | 1.2   | 5.3  | 9.5    | 15.4 | 20.1   | 21.3 |
| 60°   | 1.2   | 4.7  | 9.5    | 14.8 | 19.5   | 21.3 |
| 62.5° | 1.2   | 4.1  | 8.3    | 14.2 | 18.9   | 20.1 |
| 65°   | 1.2   | 3.5  | 7.7    | 13.0 | 18.3   | 19.5 |



TEST NUMBER: P1325858

CATALOG NUMBER: LDSQA3D09R15W2N902765DE010 3LSQCA45R 1MW\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.2   | 3.5 | 7.1    | 12.4 | 17.1   | 18.9 |
| 70°   | 1.2   | 3.5 | 6.5    | 11.2 | 16.6   | 17.1 |
| 72.5° | 1.8   | 3.5 | 5.9    | 10.6 | 15.4   | 16.0 |
| 75°   | 2.4   | 3.5 | 5.3    | 9.5  | 14.2   | 14.8 |
| 77.5° | 2.4   | 3.5 | 4.7    | 8.3  | 12.4   | 13.0 |
| 80°   | 2.4   | 3.0 | 4.1    | 6.5  | 10.1   | 10.6 |
| 82.5° | 2.4   | 3.0 | 3.0    | 5.3  | 7.7    | 8.3  |
| 85°   | 1.8   | 2.4 | 2.4    | 3.0  | 5.3    | 5.9  |
| 87.5° | 1.8   | 2.4 | 1.2    | 1.8  | 2.4    | 2.4  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)