

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: P1324232

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

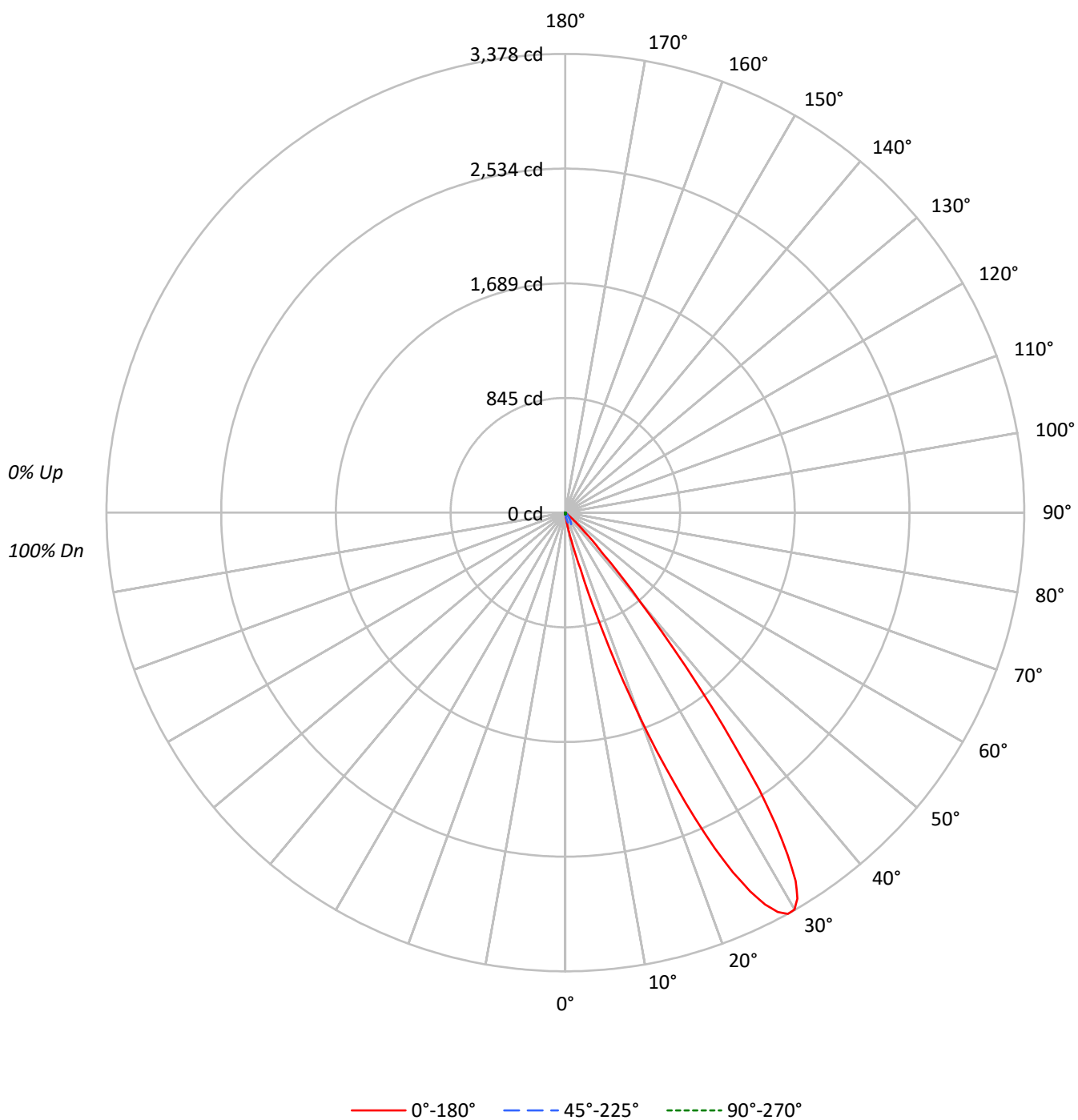
Lumens per Lamp: N/A  
Luminaire Lumens: 369.0 lumens  
Efficiency: N/A  
Efficacy: 62.5 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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: P1324232

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1324232

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

**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 |    |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 70  | 68  |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 67  | 64  | 71  | 66  | 63  | 61  |    |
| 6   | 81  | 71  | 64  | 59  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 41  |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 37  |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2101   | 2101  | 2101 | 2101 | 2101 |
| 5°  | 4529   | 3354  | 1988 | 1055 | 864  |
| 10° | 20094  | 6348  | 1574 | 437  | 315  |
| 15° | 75973  | 14656 | 1088 | 196  | 125  |
| 20° | 292159 | 20655 | 660  | 73   | 73   |
| 25° | 555562 | 19364 | 342  | 0    | 0    |
| 30° | 671132 | 15631 | 139  | 0    | 0    |
| 35° | 523426 | 10638 | 84   | 0    | 0    |
| 40° | 191008 | 5238  | 90   | 0    | 90   |
| 45° | 49053  | 1583  | 97   | 0    | 170  |
| 50° | 8279   | 188   | 107  | 107  | 295  |
| 55° | 1081   | 0     | 210  | 330  | 540  |
| 60° | 138    | 138   | 379  | 482  | 758  |
| 65° | 163    | 163   | 571  | 734  | 897  |
| 70° | 201    | 201   | 705  | 705  | 906  |
| 75° | 266    | 266   | 932  | 732  | 932  |
| 80° | 0      | 397   | 1091 | 694  | 1091 |
| 85° | 0      | 790   | 2174 | 790  | 790  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49053 cd/sqm

TEST NUMBER: P1324232

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.7    | 0.5       |
| 10°-20°   | 28.3   | 7.7       |
| 20°-30°   | 156.8  | 42.5      |
| 30°-40°   | 151.5  | 41.1      |
| 40°-50°   | 26.4   | 7.1       |
| 50°-60°   | 1.9    | 0.5       |
| 60°-70°   | 1.1    | 0.3       |
| 70°-80°   | 0.9    | 0.2       |
| 80°-90°   | 0.5    | 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       |
| 0°-30°    | 186.8  | 50.6      |
| 0°-40°    | 338.3  | 91.7      |
| 0°-60°    | 366.5  | 99.3      |
| 0°-90°    | 369.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 369.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 12   | 12  | 12  | 12   | 12   |      |
| 5°  | 26   | 19  | 12  | 6    | 5    | 5    |
| 15° | 426  | 82  | 6   | 1    | 1    | 190  |
| 25° | 2924 | 102 | 2   | 0    | 0    | 1307 |
| 35° | 2490 | 51  | 0   | 0    | 0    | 1432 |
| 45° | 201  | 6   | 0   | 0    | 1    | 216  |
| 55° | 4    | 0   | 1   | 1    | 2    | 7    |
| 65° | 0    | 0   | 1   | 2    | 2    | 0    |
| 75° | 0    | 0   | 1   | 1    | 1    | 0    |
| 85° | 0    | 0   | 1   | 0    | 0    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1324232

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 45°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2  |
| 2.5°  | 17.9   | 17.2   | 17.6   | 17.6   | 17.6   | 17.6   | 17.6   | 16.9   | 16.9   | 17.2   | 15.4  |
| 5°    | 26.2   | 26.2   | 25.8   | 26.2   | 26.2   | 25.8   | 25.1   | 24.8   | 24.8   | 24.0   | 19.4  |
| 7.5°  | 52.4   | 51.7   | 51.7   | 51.0   | 47.4   | 46.3   | 45.6   | 43.8   | 40.6   | 39.8   | 25.1  |
| 10°   | 114.9  | 115.2  | 112.7  | 109.5  | 109.1  | 103.7  | 101.9  | 98.7   | 92.6   | 86.5   | 36.3  |
| 12.5° | 208.5  | 203.9  | 197.8  | 198.1  | 187.7  | 184.1  | 175.9  | 166.9  | 157.6  | 147.9  | 59.6  |
| 15°   | 426.1  | 412.8  | 420.7  | 401.3  | 379.4  | 354.6  | 329.5  | 297.9  | 271.0  | 242.3  | 82.2  |
| 17.5° | 897.4  | 910.3  | 888.4  | 805.5  | 754.5  | 694.6  | 610.2  | 528.7  | 459.1  | 403.1  | 100.5 |
| 20°   | 1594.1 | 1613.1 | 1538.8 | 1466.6 | 1342.8 | 1207.8 | 1067.1 | 907.8  | 755.2  | 623.1  | 112.7 |
| 21°   | 1885.2 | 1873.7 | 1843.2 | 1727.6 | 1584.7 | 1428.2 | 1255.9 | 1080.1 | 895.2  | 723.6  | 113.8 |
| 22°   | 2166.6 | 2172.0 | 2100.9 | 1979.9 | 1831.3 | 1658.0 | 1447.6 | 1230.5 | 1031.2 | 805.5  | 112.0 |
| 23°   | 2446.9 | 2464.2 | 2370.1 | 2256.7 | 2069.7 | 1874.0 | 1630.7 | 1396.3 | 1150.1 | 899.2  | 108.4 |
| 24°   | 2706.4 | 2694.6 | 2631.1 | 2488.2 | 2288.3 | 2059.3 | 1806.6 | 1522.3 | 1247.7 | 979.2  | 105.5 |
| 25°   | 2923.6 | 2922.2 | 2822.4 | 2683.5 | 2454.8 | 2201.0 | 1922.5 | 1625.3 | 1331.3 | 1033.4 | 101.9 |
| 26°   | 3101.3 | 3072.2 | 2993.6 | 2824.2 | 2598.4 | 2330.6 | 2017.6 | 1700.3 | 1378.3 | 1060.7 | 98.4  |
| 27°   | 3238.4 | 3217.6 | 3112.0 | 2935.8 | 2700.0 | 2403.8 | 2078.6 | 1737.6 | 1399.9 | 1069.7 | 93.7  |
| 28°   | 3330.6 | 3308.0 | 3195.7 | 3014.1 | 2756.0 | 2449.8 | 2111.0 | 1753.4 | 1399.9 | 1061.0 | 89.4  |
| 29°   | 3378.4 | 3347.5 | 3235.5 | 3041.0 | 2768.9 | 2455.2 | 2103.1 | 1738.0 | 1378.0 | 1034.5 | 84.4  |
| 30°   | 3374.8 | 3336.4 | 3219.0 | 3016.6 | 2730.5 | 2411.0 | 2058.9 | 1682.4 | 1328.5 | 995.0  | 78.6  |
| 31°   | 3316.6 | 3273.6 | 3142.6 | 2934.0 | 2651.2 | 2327.8 | 1975.6 | 1607.7 | 1260.6 | 943.7  | 72.9  |
| 32°   | 3198.6 | 3144.0 | 3016.2 | 2808.4 | 2529.1 | 2203.2 | 1854.7 | 1492.5 | 1159.0 | 868.6  | 66.8  |
| 33°   | 3006.2 | 2951.2 | 2814.1 | 2619.2 | 2364.0 | 2045.3 | 1694.2 | 1368.7 | 1043.5 | 779.3  | 61.7  |
| 34°   | 2765.3 | 2715.1 | 2597.0 | 2400.6 | 2155.8 | 1845.3 | 1509.7 | 1197.4 | 923.6  | 690.6  | 56.4  |
| 35°   | 2489.6 | 2409.6 | 2302.6 | 2147.2 | 1908.5 | 1596.2 | 1310.5 | 1038.1 | 800.1  | 597.6  | 50.6  |
| 36°   | 2116.7 | 2131.1 | 2017.6 | 1827.4 | 1629.6 | 1384.8 | 1110.6 | 865.4  | 669.1  | 509.3  | 45.6  |
| 37°   | 1786.1 | 1763.5 | 1691.3 | 1544.2 | 1371.9 | 1128.9 | 930.7  | 733.7  | 562.8  | 430.7  | 40.2  |
| 38°   | 1440.8 | 1445.8 | 1375.1 | 1262.0 | 1091.2 | 928.2  | 749.1  | 602.7  | 470.9  | 366.5  | 35.2  |
| 39°   | 1127.8 | 1123.9 | 1104.8 | 1000.0 | 845.3  | 738.3  | 607.0  | 499.7  | 392.3  | 309.1  | 29.8  |
| 40°   | 849.6  | 856.1  | 811.6  | 748.4  | 658.3  | 570.4  | 483.5  | 398.4  | 324.5  | 260.6  | 23.3  |
| 42.5° | 413.1  | 423.2  | 393.8  | 377.6  | 337.8  | 303.3  | 255.9  | 208.9  | 177.7  | 153.6  | 10.4  |
| 45°   | 201.4  | 195.6  | 193.1  | 185.2  | 175.9  | 157.2  | 139.3  | 119.5  | 104.5  | 90.1   | 6.5   |
| 47.5° | 103.0  | 100.1  | 100.1  | 96.9   | 93.7   | 87.6   | 78.6   | 72.1   | 65.0   | 56.0   | 2.5   |
| 50°   | 30.9   | 30.5   | 30.2   | 30.5   | 29.4   | 30.5   | 31.2   | 31.6   | 28.7   | 28.4   | 0.7   |
| 52.5° | 12.2   | 12.6   | 12.2   | 13.3   | 13.3   | 12.9   | 13.3   | 12.9   | 12.6   | 11.1   | 0.0   |
| 55°   | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.9    | 4.3    | 3.9    | 4.3    | 0.0   |
| 57.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.0   |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.4   |
| 62.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   |
| 65°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   |
| 67.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   |
| 75°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 0.4   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   |



TEST NUMBER: P1324232

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 82.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.4 |
| 85°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.4 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.4 |
| 90°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

TEST NUMBER: P1324232

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 12.2  | 12.2 | 12.2   | 12.2 | 12.2   | 12.2 |
| 2.5°  | 14.4  | 12.6 | 10.4   | 8.6  | 7.9    | 7.5  |
| 5°    | 15.4  | 11.5 | 7.9    | 6.1  | 5.4    | 5.0  |
| 7.5°  | 16.5  | 10.4 | 6.1    | 4.3  | 3.2    | 2.9  |
| 10°   | 17.2  | 9.0  | 4.7    | 2.5  | 1.8    | 1.8  |
| 12.5° | 17.2  | 7.2  | 3.2    | 1.4  | 1.1    | 1.1  |
| 15°   | 16.9  | 6.1  | 2.2    | 1.1  | 0.7    | 0.7  |
| 17.5° | 16.5  | 4.7  | 1.4    | 0.7  | 0.4    | 0.7  |
| 20°   | 15.4  | 3.6  | 0.7    | 0.4  | 0.4    | 0.4  |
| 21°   | 15.1  | 3.2  | 0.7    | 0.4  | 0.4    | 0.4  |
| 22°   | 14.4  | 2.9  | 0.4    | 0.0  | 0.4    | 0.4  |
| 23°   | 13.6  | 2.2  | 0.4    | 0.0  | 0.0    | 0.0  |
| 24°   | 12.6  | 1.8  | 0.4    | 0.0  | 0.0    | 0.0  |
| 25°   | 11.8  | 1.8  | 0.4    | 0.0  | 0.0    | 0.0  |
| 26°   | 11.1  | 1.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 10.1  | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 9.3   | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 8.3   | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 7.2   | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 5.7   | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 4.7   | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 3.2   | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 2.2   | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 1.8   | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 1.1   | 0.4  | 0.0    | 0.0  | 0.0    | 0.4  |
| 37°   | 1.1   | 0.4  | 0.0    | 0.0  | 0.0    | 0.4  |
| 38°   | 0.7   | 0.4  | 0.0    | 0.0  | 0.0    | 0.4  |
| 39°   | 0.4   | 0.4  | 0.0    | 0.0  | 0.0    | 0.4  |
| 40°   | 0.4   | 0.4  | 0.0    | 0.0  | 0.0    | 0.4  |
| 42.5° | 0.0   | 0.4  | 0.0    | 0.0  | 0.4    | 0.7  |
| 45°   | 0.0   | 0.4  | 0.0    | 0.0  | 0.4    | 0.7  |
| 47.5° | 0.0   | 0.4  | 0.0    | 0.0  | 0.7    | 0.7  |
| 50°   | 0.0   | 0.4  | 0.4    | 0.4  | 0.7    | 1.1  |
| 52.5° | 0.0   | 0.7  | 0.4    | 0.7  | 1.1    | 1.4  |
| 55°   | 0.4   | 0.7  | 0.7    | 1.1  | 1.4    | 1.8  |
| 57.5° | 0.4   | 1.1  | 1.1    | 1.4  | 1.8    | 1.8  |
| 60°   | 0.7   | 1.1  | 1.4    | 1.4  | 2.2    | 2.2  |
| 62.5° | 0.7   | 1.4  | 1.4    | 1.4  | 2.2    | 2.2  |
| 65°   | 0.7   | 1.4  | 1.4    | 1.8  | 2.2    | 2.2  |
| 67.5° | 0.7   | 1.4  | 1.4    | 1.4  | 1.8    | 2.2  |
| 70°   | 0.7   | 1.4  | 1.1    | 1.4  | 1.8    | 1.8  |
| 72.5° | 0.7   | 1.4  | 1.1    | 1.1  | 1.4    | 1.8  |
| 75°   | 0.7   | 1.4  | 1.1    | 1.1  | 1.4    | 1.4  |
| 77.5° | 0.7   | 1.1  | 1.1    | 0.7  | 1.1    | 1.1  |
| 80°   | 0.7   | 1.1  | 0.7    | 0.7  | 1.1    | 1.1  |





TEST NUMBER: P1324232

CATALOG NUMBER: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 0.7   | 1.1 | 0.7    | 0.4  | 0.7    | 0.7  |
| 85°   | 0.7   | 1.1 | 0.7    | 0.4  | 0.4    | 0.4  |
| 87.5° | 0.7   | 1.1 | 0.4    | 0.0  | 0.0    | 0.4  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)