

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: P1325913

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

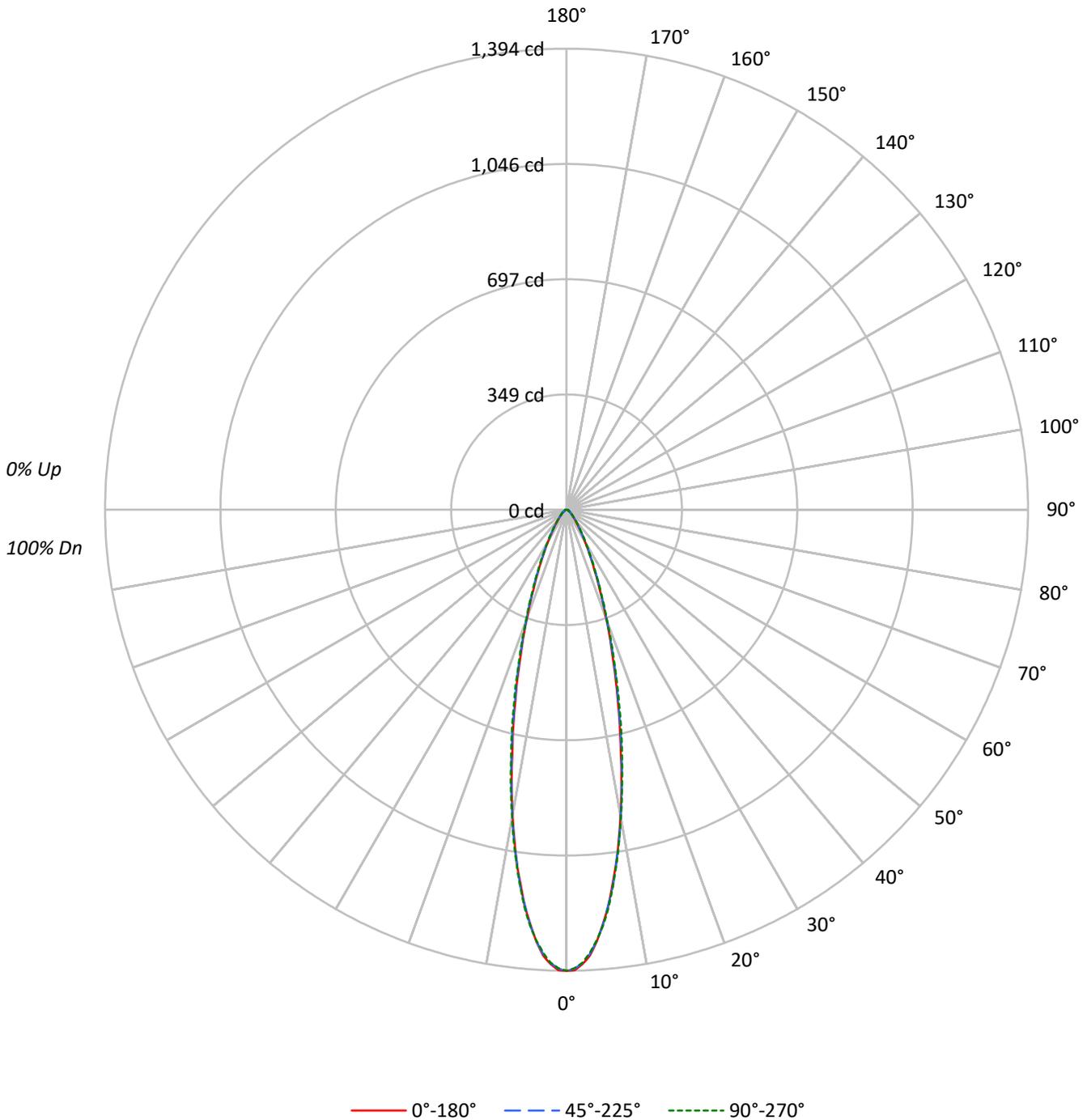
Test Method: LM-79-2019  
Report Number: P1325913  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 461.0 lumens  
Efficiency: N/A  
Efficacy: 51.2 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
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: P1325913  
CATALOG NUMBER: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MW\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1325913

CATALOG NUMBER: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MW\_4000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  | 97  | 94  | 92  | 94  | 92  | 90  | 90  | 90  | 90  | 89  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 87  | 85  | 85  | 85  | 85  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 78  | 83  | 79  | 77  | 77  | 77  | 77  | 76  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 73  | 73  | 73  | 72  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 70  | 70  | 70  | 70  | 69  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 74  | 70  | 67  | 67  | 67  | 67  | 66  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 65  | 65  | 65  | 64  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 62  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 240078 | 240078 | 240078 |
| 5°  | 217466 | 217881 | 218175 |
| 10° | 164177 | 164597 | 165418 |
| 15° | 106497 | 107656 | 109760 |
| 20° | 64110  | 64880  | 65741  |
| 25° | 37454  | 38252  | 38803  |
| 30° | 22014  | 22710  | 23068  |
| 35° | 13561  | 14065  | 14318  |
| 40° | 8925   | 9173   | 9308   |
| 45° | 6211   | 6333   | 6479   |
| 50° | 4608   | 4769   | 4930   |
| 55° | 3723   | 3903   | 3903   |
| 60° | 3272   | 3272   | 3272   |
| 65° | 2893   | 2893   | 2893   |
| 70° | 2367   | 2669   | 2669   |
| 75° | 2396   | 2396   | 2396   |
| 80° | 1785   | 2380   | 2380   |
| 85° | 1186   | 1186   | 1186   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 6479 cd/sqm



TEST NUMBER: P1325913

CATALOG NUMBER: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MW\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 109.8  | 23.8      |
| 10°-20°   | 167.9  | 36.4      |
| 20°-30°   | 95.4   | 20.7      |
| 30°-40°   | 43.5   | 9.4       |
| 40°-50°   | 20.9   | 4.5       |
| 50°-60°   | 11.7   | 2.5       |
| 60°-70°   | 7.1    | 1.5       |
| 70°-80°   | 3.8    | 0.8       |
| 80°-90°   | 0.8    | 0.2       |
| 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°    | 373.1  | 80.9      |
| 0°-40°    | 416.7  | 90.4      |
| 0°-60°    | 449.2  | 97.4      |
| 0°-90°    | 461.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 461.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1394 | 1394  | 1394 | 1394  | 1394 |      |
| 5°  | 1258 | 1257  | 1260 | 1260  | 1262 | 110  |
| 15° | 597  | 600   | 604  | 612   | 616  | 166  |
| 25° | 197  | 197   | 201  | 203   | 204  | 94   |
| 35° | 64   | 66    | 67   | 68    | 68   | 42   |
| 45° | 26   | 26    | 26   | 27    | 27   | 20   |
| 55° | 12   | 12    | 13   | 13    | 13   | 11   |
| 65° | 7    | 7     | 7    | 7     | 7    | 7    |
| 75° | 4    | 4     | 4    | 4     | 4    | 4    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P1325913

CATALOG NUMBER: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MW\_4000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1394.0 | 1394.0 | 1394.0 | 1394.0 | 1394.0 |
| 1°    | 1392.8 | 1389.3 | 1388.1 | 1387.5 | 1386.3 |
| 2°    | 1375.1 | 1372.1 | 1371.5 | 1371.5 | 1370.9 |
| 3°    | 1350.2 | 1344.9 | 1345.5 | 1343.7 | 1341.9 |
| 4°    | 1308.2 | 1305.8 | 1307.0 | 1308.2 | 1305.8 |
| 5°    | 1257.9 | 1257.3 | 1260.3 | 1260.3 | 1262.0 |
| 6°    | 1205.8 | 1205.2 | 1203.4 | 1208.2 | 1210.5 |
| 7°    | 1139.5 | 1143.0 | 1147.8 | 1145.4 | 1147.2 |
| 8°    | 1079.1 | 1075.0 | 1076.8 | 1082.7 | 1083.3 |
| 9°    | 1008.1 | 1005.1 | 1012.8 | 1015.2 | 1015.8 |
| 10°   | 938.8  | 941.8  | 941.2  | 949.5  | 945.9  |
| 12.5° | 758.3  | 763.0  | 768.3  | 771.9  | 775.4  |
| 15°   | 597.3  | 600.2  | 603.8  | 612.1  | 615.6  |
| 17.5° | 459.4  | 462.9  | 466.5  | 473.6  | 474.7  |
| 20°   | 349.8  | 351.6  | 354.0  | 360.5  | 358.7  |
| 22.5° | 261.6  | 264.6  | 267.0  | 269.9  | 271.7  |
| 25°   | 197.1  | 197.1  | 201.3  | 203.0  | 204.2  |
| 27.5° | 146.8  | 148.0  | 150.9  | 153.3  | 152.7  |
| 30°   | 110.7  | 112.5  | 114.2  | 115.4  | 116.0  |
| 32.5° | 85.2   | 85.2   | 87.0   | 88.8   | 89.4   |
| 35°   | 64.5   | 65.7   | 66.9   | 68.1   | 68.1   |
| 37.5° | 50.3   | 50.9   | 52.1   | 52.7   | 52.7   |
| 40°   | 39.7   | 39.7   | 40.8   | 41.4   | 41.4   |
| 42.5° | 31.4   | 32.0   | 32.6   | 33.1   | 33.1   |
| 45°   | 25.5   | 25.5   | 26.0   | 26.6   | 26.6   |
| 47.5° | 20.7   | 20.7   | 21.3   | 21.9   | 21.9   |
| 50°   | 17.2   | 17.8   | 17.8   | 18.4   | 18.4   |
| 52.5° | 14.8   | 14.8   | 14.8   | 15.4   | 15.4   |
| 55°   | 12.4   | 12.4   | 13.0   | 13.0   | 13.0   |
| 57.5° | 10.7   | 10.7   | 10.7   | 11.2   | 11.2   |
| 60°   | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    |
| 62.5° | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    |
| 65°   | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    |
| 67.5° | 5.9    | 5.9    | 5.9    | 6.5    | 6.5    |
| 70°   | 4.7    | 5.3    | 5.3    | 5.3    | 5.3    |
| 72.5° | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 75°   | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 77.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 80°   | 1.8    | 2.4    | 2.4    | 2.4    | 2.4    |
| 82.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 85°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)