

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: P1326117

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQCDR1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

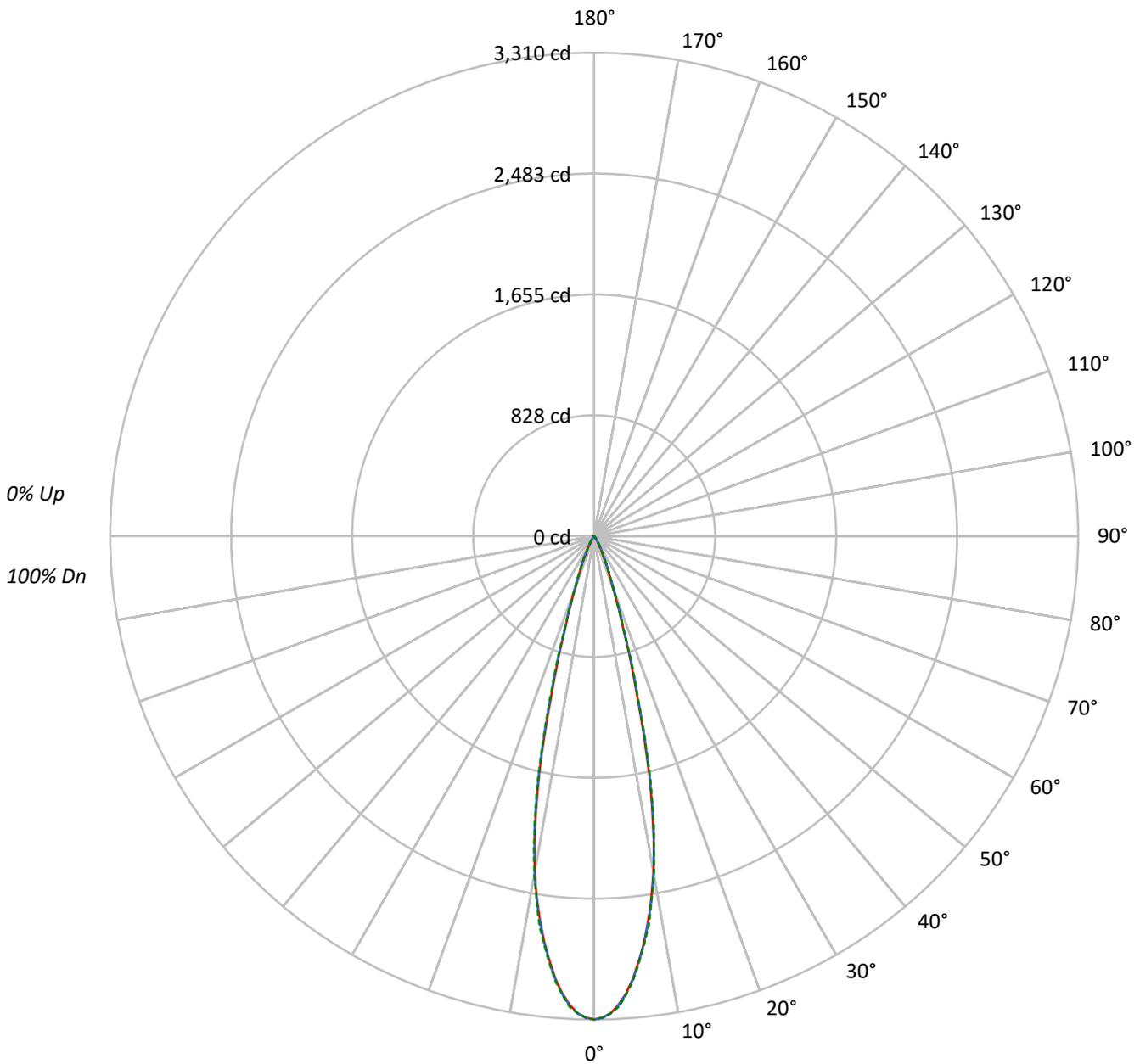
Test Method: LM-79-2019  
Report Number: P1326117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQCDR1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 689.0 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
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: P1326117  
CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQCDR1MB\_2700K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°



TEST NUMBER: P1326117

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQCDR1MB\_2700K

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |     |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--|--|--|--|--|----|--|--|--|--|--|--|--|--|----|
| RF  | 20  |     |     |     |     |     |     |     |     | 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 | 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 | 100 | 99 | 99 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 100 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 80  | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 77  | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 570074 | 570074 | 570074 |
| 5°  | 525643 | 526836 | 527925 |
| 10° | 408134 | 409603 | 411824 |
| 15° | 201691 | 210178 | 210267 |
| 20° | 67904  | 72467  | 69260  |
| 25° | 28124  | 31240  | 28922  |
| 30° | 11037  | 13881  | 11136  |
| 35° | 2880   | 5677   | 3007   |
| 40° | 1079   | 2248   | 1079   |
| 45° | 122    | 633    | 122    |
| 50° | 0      | 134    | 0      |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 633 cd/sqm



TEST NUMBER: P1326117

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQCDR1MB\_2700K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 268.2  | 38.9      |
| 10°-20°   | 324.4  | 47.1      |
| 20°-30°   | 79.2   | 11.5      |
| 30°-40°   | 15.4   | 2.2       |
| 40°-50°   | 1.7    | 0.3       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 671.8  | 97.5      |
| 0°-40°    | 687.3  | 99.7      |
| 0°-60°    | 689.0  | 100.0     |
| 0°-90°    | 689.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 689.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3310 | 3310  | 3310 | 3310  | 3310 |      |
| 5°  | 3040 | 3045  | 3047 | 3061  | 3054 | 267  |
| 15° | 1131 | 1158  | 1179 | 1190  | 1179 | 319  |
| 25° | 148  | 156   | 164  | 158   | 152  | 75   |
| 35° | 14   | 20    | 27   | 20    | 14   | 12   |
| 45° | 0    | 2     | 3    | 2     | 0    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |



TEST NUMBER: P1326117

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQCDR1MB\_2700K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3310.1 | 3310.1 | 3310.1 | 3310.1 | 3310.1 |
| 1°    | 3297.4 | 3299.5 | 3300.0 | 3303.2 | 3296.9 |
| 2°    | 3267.3 | 3267.8 | 3269.4 | 3275.7 | 3269.9 |
| 3°    | 3211.7 | 3215.4 | 3216.0 | 3224.4 | 3226.0 |
| 4°    | 3136.2 | 3138.3 | 3142.5 | 3156.8 | 3144.1 |
| 5°    | 3040.5 | 3044.7 | 3047.4 | 3060.6 | 3053.7 |
| 6°    | 2922.1 | 2923.1 | 2929.0 | 2944.3 | 2934.8 |
| 7°    | 2801.6 | 2801.0 | 2801.6 | 2813.7 | 2811.1 |
| 8°    | 2656.2 | 2653.6 | 2662.0 | 2676.8 | 2686.9 |
| 9°    | 2504.5 | 2508.2 | 2513.5 | 2527.7 | 2516.1 |
| 10°   | 2333.8 | 2343.8 | 2342.2 | 2343.3 | 2354.9 |
| 11°   | 2137.1 | 2140.3 | 2140.8 | 2151.9 | 2150.3 |
| 12°   | 1906.1 | 1906.1 | 1923.6 | 1941.5 | 1935.7 |
| 13°   | 1673.0 | 1689.4 | 1677.8 | 1681.5 | 1704.7 |
| 14°   | 1401.3 | 1414.0 | 1429.9 | 1444.7 | 1433.0 |
| 15°   | 1131.2 | 1158.2 | 1178.8 | 1190.4 | 1179.3 |
| 17.5° | 648.1  | 657.0  | 674.5  | 676.6  | 669.7  |
| 20°   | 370.5  | 381.6  | 395.4  | 391.2  | 377.9  |
| 22.5° | 233.1  | 236.3  | 250.0  | 243.2  | 240.0  |
| 25°   | 148.0  | 155.9  | 164.4  | 157.5  | 152.2  |
| 27.5° | 92.0   | 97.3   | 106.2  | 98.8   | 93.0   |
| 30°   | 55.5   | 60.3   | 69.8   | 59.7   | 56.0   |
| 32.5° | 29.1   | 35.9   | 43.9   | 36.5   | 29.1   |
| 35°   | 13.7   | 19.6   | 27.0   | 19.6   | 14.3   |
| 37.5° | 8.5    | 10.6   | 16.4   | 10.6   | 8.5    |
| 40°   | 4.8    | 6.9    | 10.0   | 6.9    | 4.8    |
| 42.5° | 2.1    | 3.7    | 4.8    | 3.7    | 2.6    |
| 45°   | 0.5    | 1.6    | 2.6    | 1.6    | 0.5    |
| 47.5° | 0.0    | 0.0    | 1.6    | 0.5    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.5    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1326117  
CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQCDR1MB\_2700K

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)