

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: P1326231

Luminaire Tested: LDSQA3D09R25W2N902765DE010 3LSQPHR1MB\_6500K

Issue Date: 1/29/2026

**Test Information**

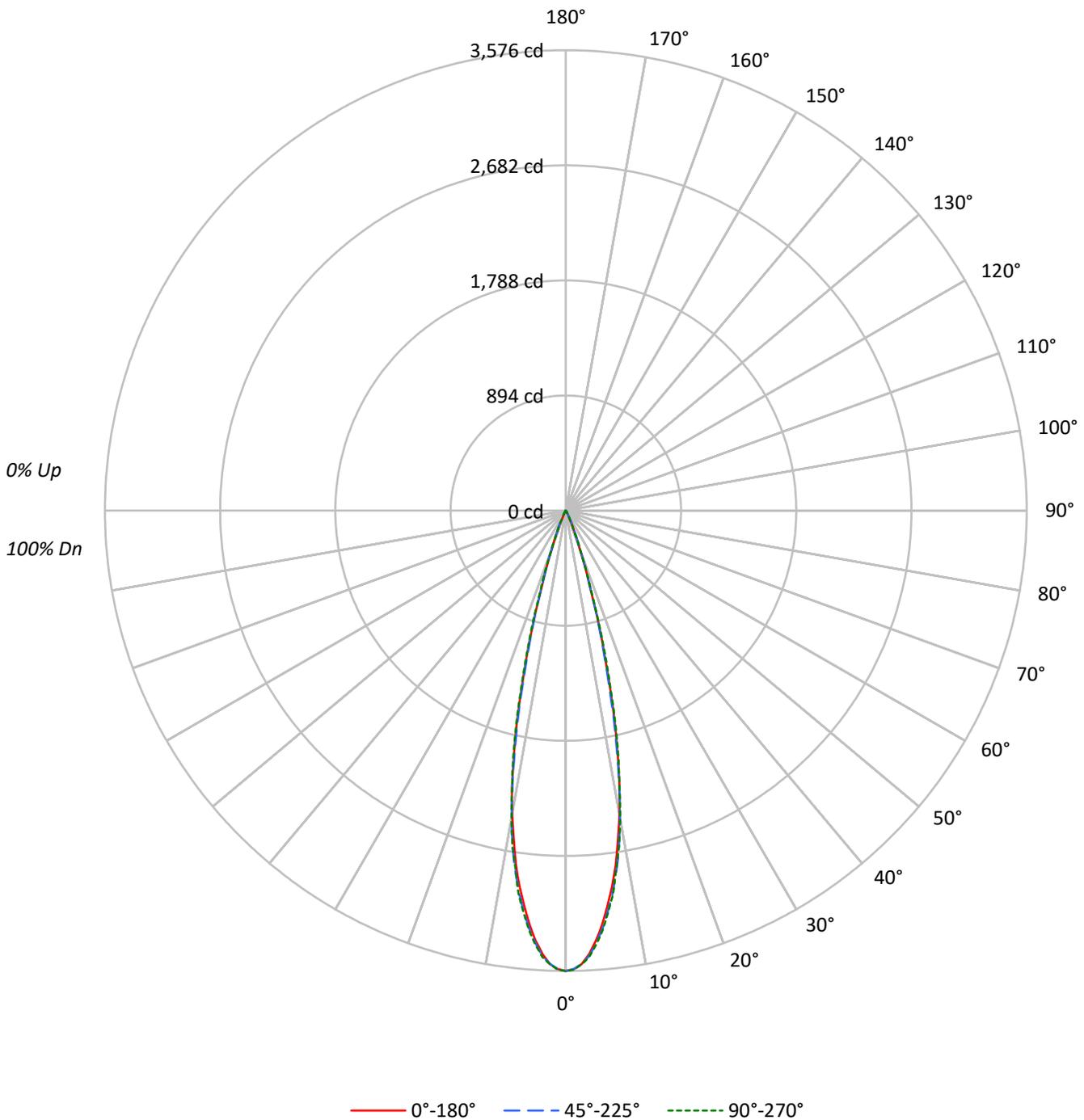
Test Method: LM-79-2019  
Report Number: P1326231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R25W2N902765DE010 3LSQPHR1MB\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 6500K CCT AND, 90CRI ,  
3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 660.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
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





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**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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 99  | 99  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 96  | 96  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 94  | 94  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 92  | 92  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 89  | 89  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 87  | 87  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 86  | 86  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 82  | 82  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 615903 | 615903 | 615903 |
| 5°  | 558127 | 563227 | 565959 |
| 10° | 419588 | 422561 | 424520 |
| 15° | 207753 | 201566 | 214992 |
| 20° | 58666  | 59638  | 60298  |
| 25° | 10185  | 19231  | 12086  |
| 30° | 3977   | 4097   | 4216   |
| 35° | 1240   | 1367   | 1367   |
| 40° | 405    | 540    | 405    |
| 45° | 292    | 146    | 292    |
| 50° | 161    | 0      | 161    |
| 55° | 180    | 0      | 180    |
| 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: 0°

Vertical Angle: 45°

Luminance: 292 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 284.1  | 43.0      |
| 10°-20°   | 320.4  | 48.5      |
| 20°-30°   | 49.7   | 7.5       |
| 30°-40°   | 5.0    | 0.8       |
| 40°-50°   | 0.7    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 654.2  | 99.1      |
| 0°-40°    | 659.2  | 99.9      |
| 0°-60°    | 660.0  | 100.0     |
| 0°-90°    | 660.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 660.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3576 | 3576  | 3576 | 3576  | 3576 |      |
| 5°  | 3228 | 3234  | 3258 | 3271  | 3274 | 281  |
| 15° | 1165 | 1157  | 1130 | 1181  | 1206 | 319  |
| 25° | 54   | 79    | 101  | 77    | 64   | 45   |
| 35° | 6    | 6     | 6    | 7     | 6    | 5    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3576.2 | 3576.2 | 3576.2 | 3576.2 | 3576.2 |
| 1°    | 3561.5 | 3566.2 | 3560.9 | 3566.8 | 3566.2 |
| 2°    | 3524.4 | 3529.1 | 3522.7 | 3526.2 | 3526.2 |
| 3°    | 3448.5 | 3458.5 | 3464.4 | 3468.5 | 3472.1 |
| 4°    | 3348.5 | 3359.7 | 3368.5 | 3379.1 | 3379.1 |
| 5°    | 3228.4 | 3234.3 | 3257.9 | 3270.8 | 3273.7 |
| 6°    | 3085.4 | 3109.0 | 3126.6 | 3152.5 | 3136.6 |
| 7°    | 2942.4 | 2961.8 | 2986.6 | 2990.7 | 3001.9 |
| 8°    | 2780.0 | 2800.6 | 2823.6 | 2819.4 | 2810.0 |
| 9°    | 2582.3 | 2612.3 | 2639.4 | 2630.5 | 2642.3 |
| 10°   | 2399.3 | 2417.5 | 2416.3 | 2407.5 | 2427.5 |
| 11°   | 2186.8 | 2190.9 | 2168.0 | 2203.9 | 2182.1 |
| 12°   | 1934.9 | 1938.5 | 1909.0 | 1944.4 | 1966.7 |
| 13°   | 1693.7 | 1685.4 | 1644.8 | 1691.3 | 1719.6 |
| 14°   | 1415.9 | 1418.8 | 1367.1 | 1457.1 | 1450.0 |
| 15°   | 1165.2 | 1157.0 | 1130.5 | 1181.1 | 1205.8 |
| 17.5° | 620.9  | 626.1  | 619.7  | 645.0  | 660.9  |
| 20°   | 320.1  | 329.0  | 325.4  | 336.0  | 329.0  |
| 22.5° | 166.0  | 178.3  | 181.8  | 173.6  | 151.2  |
| 25°   | 53.6   | 79.4   | 101.2  | 77.1   | 63.6   |
| 27.5° | 32.4   | 31.8   | 49.4   | 34.1   | 34.7   |
| 30°   | 20.0   | 19.4   | 20.6   | 20.6   | 21.2   |
| 32.5° | 11.2   | 11.8   | 11.2   | 12.4   | 11.8   |
| 35°   | 5.9    | 6.5    | 6.5    | 7.1    | 6.5    |
| 37.5° | 3.5    | 4.1    | 4.1    | 4.1    | 3.5    |
| 40°   | 1.8    | 2.4    | 2.4    | 1.8    | 1.8    |
| 42.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 45°   | 1.2    | 0.6    | 0.6    | 0.6    | 1.2    |
| 47.5° | 0.6    | 0.6    | 0.0    | 0.6    | 0.6    |
| 50°   | 0.6    | 0.6    | 0.0    | 0.6    | 0.6    |
| 52.5° | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 55°   | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 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    |



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)