

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: P1326134

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHR1MB\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326134  
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: LDSQA3D09R25W2N902750DE010 3LSQPHR1MB\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,  
3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

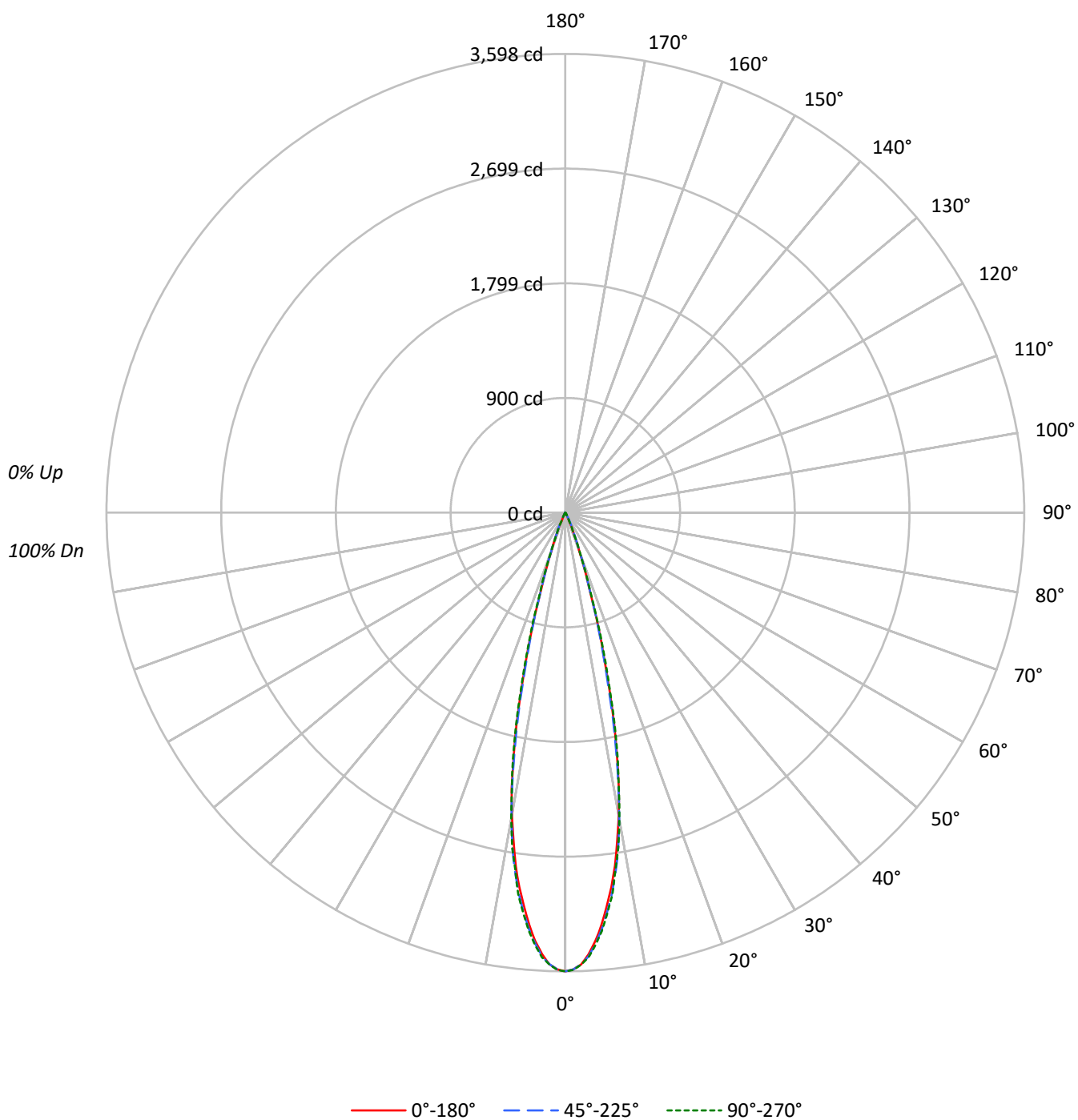
Lumens per Lamp: N/A  
Luminaire Lumens: 664.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |  |  |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 |  |  |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  |  |  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  |  |  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  |  |  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  |  |  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  |  |  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  |  |  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  |  |  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  |  |  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  |  |  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  |  |  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 619640 | 619640 | 619640 |
| 5°  | 561516 | 566633 | 569399 |
| 10° | 422124 | 425132 | 427091 |
| 15° | 209019 | 202778 | 216293 |
| 20° | 59033  | 60004  | 60664  |
| 25° | 10242  | 19345  | 12143  |
| 30° | 3997   | 4117   | 4236   |
| 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:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 292 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 285.8  | 43.0      |
| 10°-20°   | 322.3  | 48.5      |
| 20°-30°   | 50.0   | 7.5       |
| 30°-40°   | 5.1    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 658.1  | 99.1      |
| 0°-40°    | 663.2  | 99.9      |
| 0°-60°    | 664.0  | 100.0     |
| 0°-90°    | 664.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 664.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3598 | 3598  | 3598 | 3598  | 3598 |      |
| 5°  | 3248 | 3254  | 3278 | 3291  | 3294 | 283  |
| 15° | 1172 | 1164  | 1137 | 1188  | 1213 | 321  |
| 25° | 54   | 80    | 102  | 78    | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3597.9 | 3597.9 | 3597.9 | 3597.9 | 3597.9 |
| 1°    | 3583.1 | 3587.8 | 3582.5 | 3588.4 | 3587.8 |
| 2°    | 3545.8 | 3550.5 | 3544.0 | 3547.6 | 3547.6 |
| 3°    | 3469.4 | 3479.5 | 3485.4 | 3489.6 | 3493.1 |
| 4°    | 3368.8 | 3380.0 | 3388.9 | 3399.6 | 3399.6 |
| 5°    | 3248.0 | 3253.9 | 3277.6 | 3290.6 | 3293.6 |
| 6°    | 3104.1 | 3127.8 | 3145.6 | 3171.6 | 3155.6 |
| 7°    | 2960.3 | 2979.8 | 3004.7 | 3008.8 | 3020.1 |
| 8°    | 2796.9 | 2817.6 | 2840.7 | 2836.5 | 2827.0 |
| 9°    | 2597.9 | 2628.1 | 2655.4 | 2646.5 | 2658.3 |
| 10°   | 2413.8 | 2432.1 | 2431.0 | 2422.1 | 2442.2 |
| 11°   | 2200.1 | 2204.2 | 2181.1 | 2217.2 | 2195.3 |
| 12°   | 1946.7 | 1950.2 | 1920.6 | 1956.1 | 1978.6 |
| 13°   | 1703.9 | 1695.6 | 1654.8 | 1701.6 | 1730.0 |
| 14°   | 1424.5 | 1427.4 | 1375.3 | 1465.9 | 1458.8 |
| 15°   | 1172.3 | 1164.0 | 1137.3 | 1188.2 | 1213.1 |
| 17.5° | 624.6  | 629.9  | 623.4  | 648.9  | 664.9  |
| 20°   | 322.1  | 331.0  | 327.4  | 338.1  | 331.0  |
| 22.5° | 167.0  | 179.4  | 182.9  | 174.7  | 152.2  |
| 25°   | 53.9   | 79.9   | 101.8  | 77.6   | 63.9   |
| 27.5° | 32.6   | 32.0   | 49.7   | 34.3   | 34.9   |
| 30°   | 20.1   | 19.5   | 20.7   | 20.7   | 21.3   |
| 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° | 3.6    | 4.1    | 4.1    | 4.1    | 3.6    |
| 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)