

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: P1323749

Luminaire Tested: LDSQA3D09R259030D2WDE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

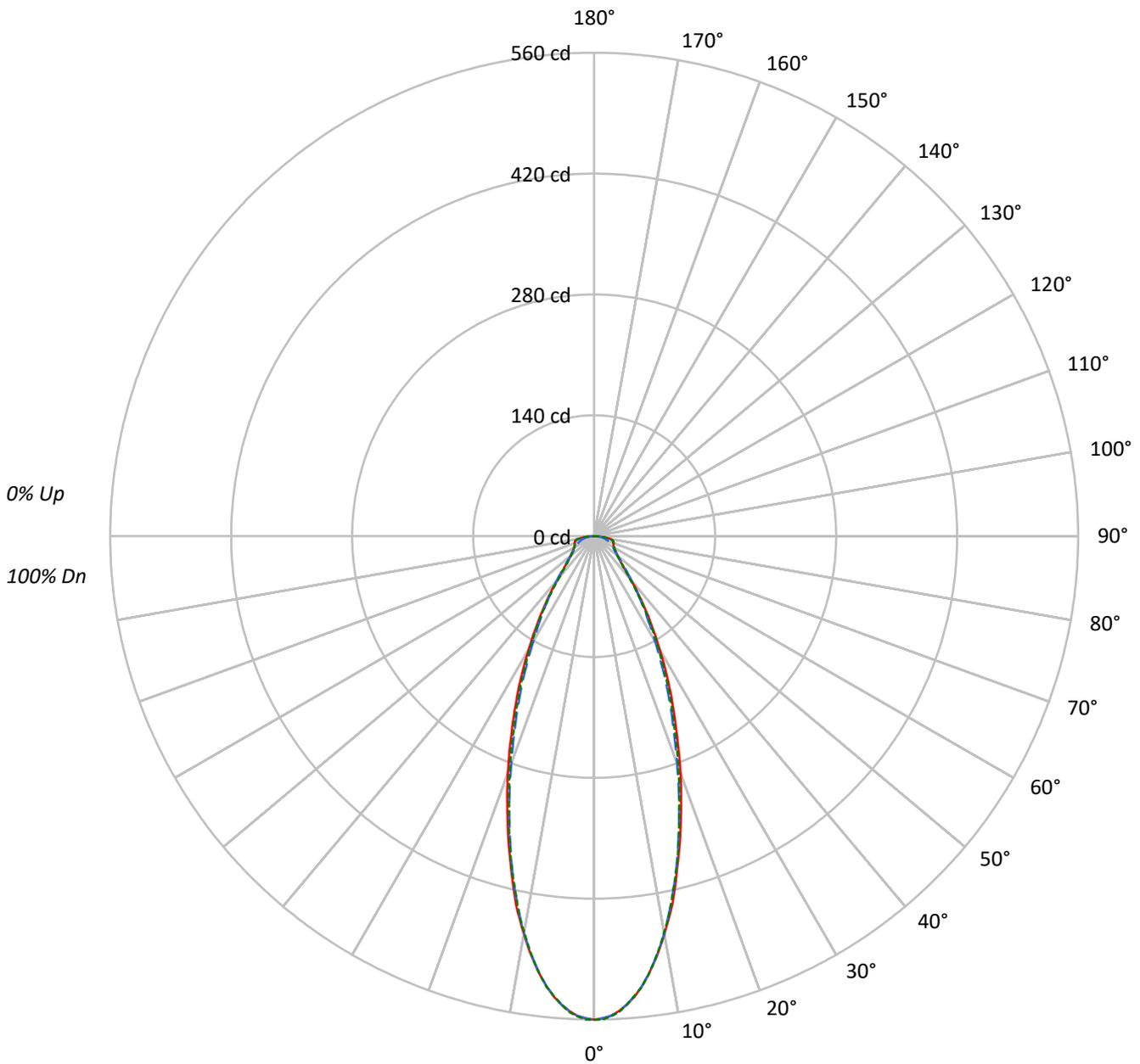
Test Method: LM-79-2019  
Report Number: P1323749  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259030D2WDE010 3LSQPHRLP1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 423.0 lumens  
Efficiency: N/A  
Efficacy: 28.8 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.7  
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



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



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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 89  | 86  | 83  | 87  | 84  | 81  | 80  |
| 3   | 98  | 90  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |
| 4   | 92  | 83  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 64  | 74  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 59  | 69  | 63  | 59  | 68  | 62  | 59  | 66  | 62  | 58  | 56  |
| 7   | 78  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  | 64  | 58  | 55  | 62  | 58  | 54  | 53  |
| 8   | 74  | 63  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 49  |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |
| 10  | 67  | 56  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 49  | 46  | 54  | 49  | 45  | 53  | 49  | 45  | 44  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 96462 | 96462 | 96462 |
| 5°  | 92560 | 92439 | 92439 |
| 10° | 81826 | 81704 | 81459 |
| 15° | 67575 | 66612 | 66969 |
| 20° | 53535 | 51317 | 52179 |
| 25° | 40761 | 38613 | 39621 |
| 30° | 30029 | 27921 | 29114 |
| 35° | 21508 | 20520 | 20793 |
| 40° | 14726 | 15018 | 14276 |
| 45° | 10911 | 11569 | 10741 |
| 50° | 9485  | 9485  | 9324  |
| 55° | 9038  | 8617  | 9038  |
| 60° | 9197  | 8508  | 9197  |
| 65° | 10066 | 8721  | 10066 |
| 70° | 12135 | 8762  | 11783 |
| 75° | 15105 | 9316  | 15105 |
| 80° | 19241 | 9918  | 17852 |
| 85° | 15808 | 9287  | 15808 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 19241 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.9   | 11.6      |
| 10°-20°   | 103.8  | 24.6      |
| 20°-30°   | 95.2   | 22.5      |
| 30°-40°   | 62.8   | 14.8      |
| 40°-50°   | 36.5   | 8.6       |
| 50°-60°   | 26.7   | 6.3       |
| 60°-70°   | 22.7   | 5.4       |
| 70°-80°   | 18.7   | 4.4       |
| 80°-90°   | 7.7    | 1.8       |
| 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°    | 247.9  | 58.6      |
| 0°-40°    | 310.7  | 73.4      |
| 0°-60°    | 373.9  | 88.4      |
| 0°-90°    | 423.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 423.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 560 | 560   | 560 | 560   | 560 |      |
| 5°  | 535 | 535   | 535 | 535   | 535 | 49   |
| 15° | 379 | 378   | 374 | 375   | 376 | 105  |
| 25° | 214 | 208   | 203 | 204   | 208 | 99   |
| 35° | 102 | 100   | 98  | 98    | 99  | 65   |
| 45° | 45  | 46    | 48  | 45    | 44  | 36   |
| 55° | 30  | 30    | 29  | 29    | 30  | 27   |
| 65° | 25  | 23    | 21  | 23    | 25  | 25   |
| 75° | 23  | 17    | 14  | 17    | 23  | 24   |
| 85° | 8   | 9     | 5   | 9     | 8   | 9    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 560.1 | 560.1 | 560.1 | 560.1 | 560.1 |
| 1°    | 558.7 | 558.7 | 558.7 | 558.7 | 560.1 |
| 2°    | 556.1 | 555.4 | 556.1 | 556.1 | 556.7 |
| 3°    | 550.7 | 550.7 | 550.7 | 550.7 | 552.1 |
| 4°    | 544.0 | 544.0 | 544.0 | 544.0 | 544.0 |
| 5°    | 535.4 | 534.7 | 534.7 | 535.4 | 534.7 |
| 6°    | 524.7 | 524.7 | 524.7 | 524.7 | 525.3 |
| 7°    | 512.6 | 512.0 | 512.0 | 511.3 | 512.6 |
| 8°    | 498.6 | 498.6 | 497.9 | 497.3 | 498.6 |
| 9°    | 483.9 | 484.6 | 483.2 | 482.6 | 482.6 |
| 10°   | 467.9 | 467.2 | 467.2 | 467.2 | 465.8 |
| 11°   | 451.8 | 449.8 | 449.1 | 449.1 | 450.5 |
| 12°   | 435.8 | 432.4 | 431.1 | 431.1 | 431.1 |
| 13°   | 416.4 | 415.0 | 413.0 | 411.7 | 412.4 |
| 14°   | 397.0 | 397.0 | 393.7 | 393.7 | 395.0 |
| 15°   | 379.0 | 377.6 | 373.6 | 374.9 | 375.6 |
| 17.5° | 334.2 | 331.5 | 326.8 | 326.8 | 327.5 |
| 20°   | 292.1 | 287.4 | 280.0 | 283.4 | 284.7 |
| 22.5° | 250.6 | 246.0 | 238.6 | 241.9 | 243.3 |
| 25°   | 214.5 | 208.5 | 203.2 | 203.8 | 208.5 |
| 27.5° | 181.8 | 175.1 | 169.8 | 171.8 | 174.4 |
| 30°   | 151.0 | 147.0 | 140.4 | 143.7 | 146.4 |
| 32.5° | 125.0 | 121.6 | 117.0 | 119.0 | 121.6 |
| 35°   | 102.3 | 100.3 | 97.6  | 97.6  | 98.9  |
| 37.5° | 82.9  | 82.2  | 80.9  | 80.2  | 79.5  |
| 40°   | 65.5  | 66.8  | 66.8  | 65.5  | 63.5  |
| 42.5° | 53.5  | 54.8  | 56.1  | 53.5  | 51.5  |
| 45°   | 44.8  | 46.1  | 47.5  | 44.8  | 44.1  |
| 47.5° | 39.4  | 40.1  | 40.8  | 39.4  | 38.8  |
| 50°   | 35.4  | 35.4  | 35.4  | 34.8  | 34.8  |
| 52.5° | 32.7  | 32.1  | 31.4  | 32.1  | 32.1  |
| 55°   | 30.1  | 30.1  | 28.7  | 29.4  | 30.1  |
| 57.5° | 28.1  | 27.4  | 26.7  | 27.4  | 28.1  |
| 60°   | 26.7  | 25.4  | 24.7  | 25.4  | 26.7  |
| 62.5° | 25.4  | 24.1  | 22.7  | 24.1  | 25.4  |
| 65°   | 24.7  | 22.7  | 21.4  | 22.7  | 24.7  |
| 67.5° | 24.1  | 21.4  | 19.4  | 21.4  | 24.1  |
| 70°   | 24.1  | 20.1  | 17.4  | 20.1  | 23.4  |
| 72.5° | 23.4  | 18.7  | 16.0  | 18.7  | 23.4  |
| 75°   | 22.7  | 17.4  | 14.0  | 17.4  | 22.7  |
| 77.5° | 22.1  | 16.0  | 12.0  | 16.0  | 21.4  |
| 80°   | 19.4  | 14.7  | 10.0  | 14.7  | 18.0  |
| 82.5° | 14.0  | 12.0  | 8.0   | 12.0  | 13.4  |
| 85°   | 8.0   | 8.7   | 4.7   | 8.7   | 8.0   |
| 87.5° | 1.3   | 2.0   | 1.3   | 3.3   | 2.7   |



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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)