

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: P1308564

Luminaire Tested: LDSQA3D24R259027D010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R259027D010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

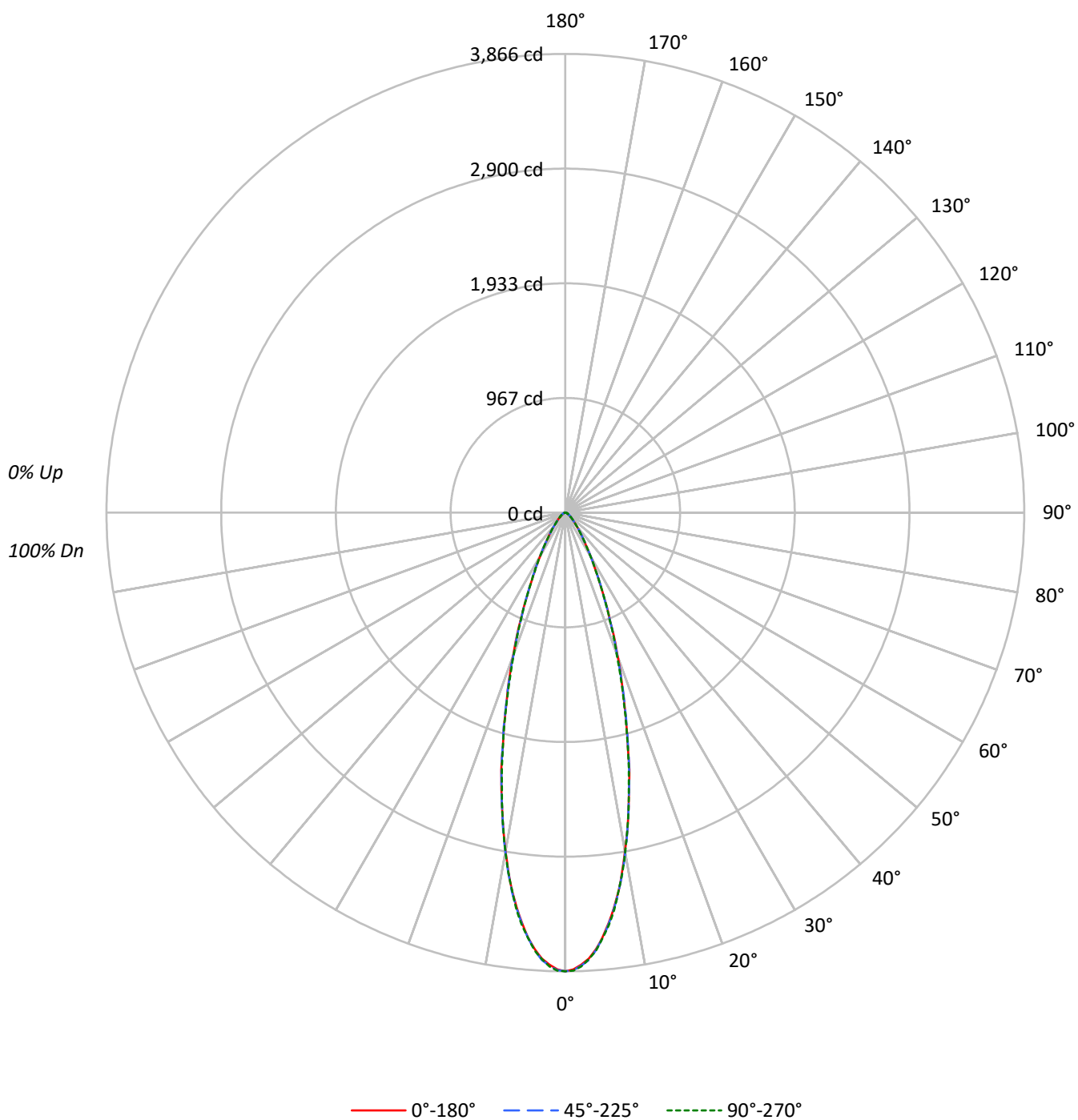
Lumens per Lamp: N/A  
Luminaire Lumens: 1549.0 lumens  
Efficiency: N/A  
Efficacy: 53.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 73  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 665796 | 665796 | 665796 |
| 5°  | 621454 | 622076 | 622387 |
| 10° | 506888 | 508462 | 508462 |
| 15° | 362052 | 363978 | 362052 |
| 20° | 236939 | 234629 | 231312 |
| 25° | 140886 | 141570 | 140886 |
| 30° | 84856  | 84856  | 84498  |
| 35° | 51699  | 52078  | 51699  |
| 40° | 32936  | 33341  | 33341  |
| 45° | 22895  | 22895  | 22895  |
| 50° | 16478  | 16960  | 16960  |
| 55° | 13031  | 13031  | 13572  |
| 60° | 10574  | 11194  | 11194  |
| 65° | 9577   | 9577   | 9577   |
| 70° | 8208   | 8208   | 9114   |
| 75° | 7187   | 7187   | 8451   |
| 80° | 7141   | 7141   | 7141   |
| 85° | 3557   | 3557   | 3557   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22895 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 321.3  | 20.7      |
| 10°-20°   | 560.0  | 36.2      |
| 20°-30°   | 352.0  | 22.7      |
| 30°-40°   | 161.0  | 10.4      |
| 40°-50°   | 75.2   | 4.9       |
| 50°-60°   | 40.4   | 2.6       |
| 60°-70°   | 23.8   | 1.5       |
| 70°-80°   | 12.4   | 0.8       |
| 80°-90°   | 2.8    | 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°    | 1233.3 | 79.6      |
| 0°-40°    | 1394.3 | 90.0      |
| 0°-60°    | 1510.0 | 97.5      |
| 0°-90°    | 1549.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1549.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3866 | 3866  | 3866 | 3866  | 3866 |      |
| 5°  | 3595 | 3602  | 3598 | 3602  | 3600 | 321  |
| 15° | 2031 | 2043  | 2041 | 2045  | 2031 | 560  |
| 25° | 741  | 750   | 745  | 745   | 741  | 353  |
| 35° | 246  | 246   | 248  | 248   | 246  | 161  |
| 45° | 94   | 94    | 94   | 94    | 94   | 75   |
| 55° | 43   | 43    | 43   | 45    | 45   | 40   |
| 65° | 24   | 24    | 24   | 24    | 24   | 23   |
| 75° | 11   | 11    | 11   | 13    | 13   | 12   |
| 85° | 2    | 2     | 2    | 2     | 2    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3865.9 | 3865.9 | 3865.9 | 3865.9 | 3865.9 |
| 1°    | 3849.6 | 3853.2 | 3856.8 | 3862.3 | 3860.5 |
| 2°    | 3813.4 | 3820.7 | 3822.5 | 3829.7 | 3827.9 |
| 3°    | 3764.6 | 3762.8 | 3777.3 | 3777.3 | 3768.2 |
| 4°    | 3688.7 | 3692.3 | 3695.9 | 3699.5 | 3701.3 |
| 5°    | 3594.7 | 3601.9 | 3598.3 | 3601.9 | 3600.1 |
| 6°    | 3478.9 | 3489.8 | 3488.0 | 3491.6 | 3497.0 |
| 7°    | 3356.0 | 3363.2 | 3363.2 | 3359.6 | 3374.1 |
| 8°    | 3222.2 | 3216.7 | 3225.8 | 3222.2 | 3220.4 |
| 9°    | 3063.1 | 3073.9 | 3075.7 | 3066.7 | 3070.3 |
| 10°   | 2898.5 | 2905.7 | 2907.5 | 2913.0 | 2907.5 |
| 11°   | 2735.8 | 2735.8 | 2739.4 | 2748.4 | 2734.0 |
| 12°   | 2558.6 | 2574.8 | 2558.6 | 2565.8 | 2558.6 |
| 13°   | 2390.4 | 2394.0 | 2390.4 | 2388.6 | 2375.9 |
| 14°   | 2231.3 | 2218.6 | 2222.2 | 2207.8 | 2209.6 |
| 15°   | 2030.6 | 2043.2 | 2041.4 | 2045.0 | 2030.6 |
| 17.5° | 1632.8 | 1640.0 | 1638.2 | 1634.6 | 1616.5 |
| 20°   | 1292.8 | 1292.8 | 1280.2 | 1273.0 | 1262.1 |
| 22.5° | 987.3  | 983.6  | 978.2  | 972.8  | 976.4  |
| 25°   | 741.4  | 750.4  | 745.0  | 745.0  | 741.4  |
| 27.5° | 560.5  | 571.4  | 562.3  | 556.9  | 560.5  |
| 30°   | 426.7  | 430.3  | 426.7  | 424.9  | 424.9  |
| 32.5° | 321.9  | 323.7  | 321.9  | 321.9  | 321.9  |
| 35°   | 245.9  | 245.9  | 247.7  | 247.7  | 245.9  |
| 37.5° | 189.9  | 189.9  | 189.9  | 189.9  | 191.7  |
| 40°   | 146.5  | 148.3  | 148.3  | 148.3  | 148.3  |
| 42.5° | 115.7  | 117.5  | 117.5  | 117.5  | 117.5  |
| 45°   | 94.0   | 94.0   | 94.0   | 94.0   | 94.0   |
| 47.5° | 75.9   | 75.9   | 75.9   | 75.9   | 77.8   |
| 50°   | 61.5   | 63.3   | 63.3   | 63.3   | 63.3   |
| 52.5° | 52.4   | 52.4   | 52.4   | 52.4   | 52.4   |
| 55°   | 43.4   | 43.4   | 43.4   | 45.2   | 45.2   |
| 57.5° | 36.2   | 36.2   | 38.0   | 38.0   | 38.0   |
| 60°   | 30.7   | 32.5   | 32.5   | 32.5   | 32.5   |
| 62.5° | 27.1   | 27.1   | 28.9   | 28.9   | 28.9   |
| 65°   | 23.5   | 23.5   | 23.5   | 23.5   | 23.5   |
| 67.5° | 19.9   | 19.9   | 19.9   | 19.9   | 21.7   |
| 70°   | 16.3   | 16.3   | 16.3   | 18.1   | 18.1   |
| 72.5° | 14.5   | 14.5   | 14.5   | 14.5   | 14.5   |
| 75°   | 10.8   | 10.8   | 10.8   | 12.7   | 12.7   |
| 77.5° | 9.0    | 9.0    | 9.0    | 9.0    | 9.0    |
| 80°   | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    |
| 82.5° | 3.6    | 3.6    | 5.4    | 5.4    | 5.4    |
| 85°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 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)