

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: P1308563

Luminaire Tested: LDSQA3D24R259027D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308563  
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: LDSQA3D24R259027D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

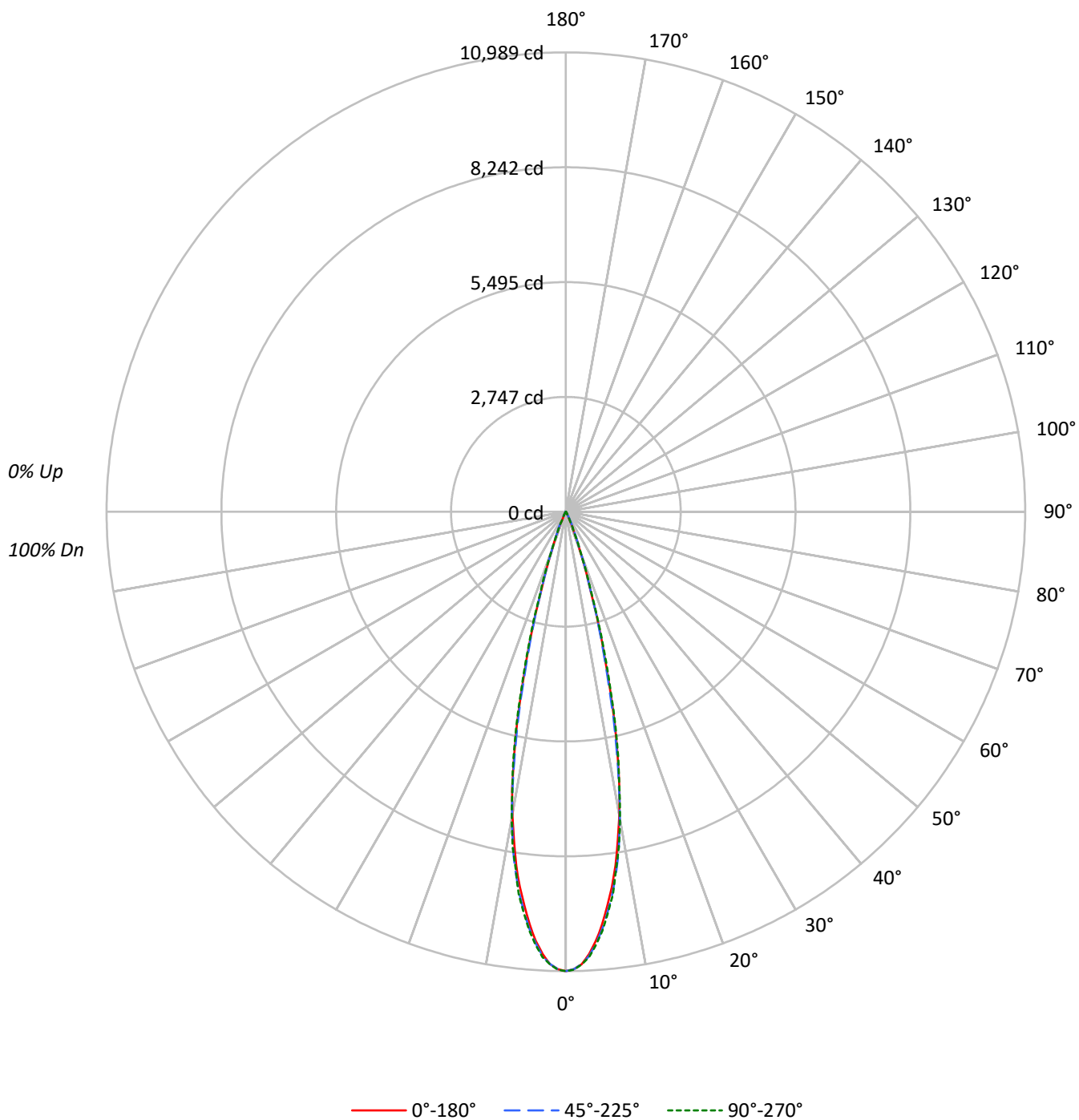
Lumens per Lamp: N/A  
Luminaire Lumens: 2028.0 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |     |     |     |     | 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 | 100 | 100 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  | 97  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  | 93  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  | 91  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  | 83  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81  | 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°  | 1892520 | 1892520 | 1892520 |
| 5°  | 1714992 | 1730620 | 1739057 |
| 10° | 1289264 | 1298427 | 1304426 |
| 15° | 638360  | 619354  | 660612  |
| 20° | 180288  | 183276  | 185255  |
| 25° | 31278   | 59098   | 37112   |
| 30° | 12230   | 12588   | 12946   |
| 35° | 3805    | 4184    | 4184    |
| 40° | 1214    | 1619    | 1214    |
| 45° | 877     | 438     | 877     |
| 50° | 482     | 0       | 482     |
| 55° | 540     | 0       | 540     |
| 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: 877 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 872.9  | 43.0      |
| 10°-20°   | 984.5  | 48.5      |
| 20°-30°   | 152.7  | 7.5       |
| 30°-40°   | 15.5   | 0.8       |
| 40°-50°   | 2.1    | 0.1       |
| 50°-60°   | 0.3    | 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°    | 2010.1 | 99.1      |
| 0°-40°    | 2025.6 | 99.9      |
| 0°-60°    | 2028.0 | 100.0     |
| 0°-90°    | 2028.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2028.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10989 | 10989 | 10989 | 10989 | 10989 |      |
| 5°  | 9920  | 9938  | 10010 | 10050 | 10059 | 865  |
| 15° | 3580  | 3555  | 3474  | 3629  | 3705  | 981  |
| 25° | 165   | 244   | 311   | 237   | 195   | 138  |
| 35° | 18    | 20    | 20    | 22    | 20    | 15   |
| 45° | 4     | 2     | 2     | 2     | 4     | 2    |
| 55° | 2     | 0     | 0     | 0     | 2     | 1    |
| 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°    | 10988.8 | 10988.8 | 10988.8 | 10988.8 | 10988.8 |
| 1°    | 10943.6 | 10958.0 | 10941.7 | 10959.8 | 10958.0 |
| 2°    | 10829.6 | 10844.1 | 10824.2 | 10835.1 | 10835.1 |
| 3°    | 10596.4 | 10627.1 | 10645.2 | 10657.8 | 10668.7 |
| 4°    | 10289.0 | 10323.3 | 10350.4 | 10383.0 | 10383.0 |
| 5°    | 9920.1  | 9938.2  | 10010.5 | 10050.3 | 10059.3 |
| 6°    | 9480.7  | 9553.0  | 9607.3  | 9686.8  | 9638.0  |
| 7°    | 9041.3  | 9100.9  | 9176.9  | 9189.5  | 9223.9  |
| 8°    | 8542.2  | 8605.5  | 8676.0  | 8663.3  | 8634.4  |
| 9°    | 7934.6  | 8026.8  | 8110.0  | 8082.9  | 8119.1  |
| 10°   | 7372.3  | 7428.3  | 7424.7  | 7397.6  | 7459.0  |
| 11°   | 6719.5  | 6732.1  | 6661.6  | 6771.9  | 6705.0  |
| 12°   | 5945.5  | 5956.4  | 5866.0  | 5974.5  | 6043.2  |
| 13°   | 5204.2  | 5178.8  | 5054.1  | 5196.9  | 5283.7  |
| 14°   | 4350.7  | 4359.7  | 4200.6  | 4477.2  | 4455.5  |
| 15°   | 3580.3  | 3555.0  | 3473.7  | 3629.2  | 3705.1  |
| 17.5° | 1907.7  | 1924.0  | 1904.1  | 1981.8  | 2030.7  |
| 20°   | 983.7   | 1010.8  | 1000.0  | 1032.5  | 1010.8  |
| 22.5° | 509.9   | 547.9   | 558.8   | 533.4   | 464.7   |
| 25°   | 164.6   | 244.1   | 311.0   | 236.9   | 195.3   |
| 27.5° | 99.5    | 97.6    | 151.9   | 104.9   | 106.7   |
| 30°   | 61.5    | 59.7    | 63.3    | 63.3    | 65.1    |
| 32.5° | 34.4    | 36.2    | 34.4    | 38.0    | 36.2    |
| 35°   | 18.1    | 19.9    | 19.9    | 21.7    | 19.9    |
| 37.5° | 10.8    | 12.7    | 12.7    | 12.7    | 10.8    |
| 40°   | 5.4     | 7.2     | 7.2     | 5.4     | 5.4     |
| 42.5° | 3.6     | 3.6     | 3.6     | 3.6     | 3.6     |
| 45°   | 3.6     | 1.8     | 1.8     | 1.8     | 3.6     |
| 47.5° | 1.8     | 1.8     | 0.0     | 1.8     | 1.8     |
| 50°   | 1.8     | 1.8     | 0.0     | 1.8     | 1.8     |
| 52.5° | 1.8     | 0.0     | 0.0     | 0.0     | 1.8     |
| 55°   | 1.8     | 0.0     | 0.0     | 0.0     | 1.8     |
| 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)