

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: P1308579

Luminaire Tested: LDSQA3D24R309027D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308579  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R309027D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

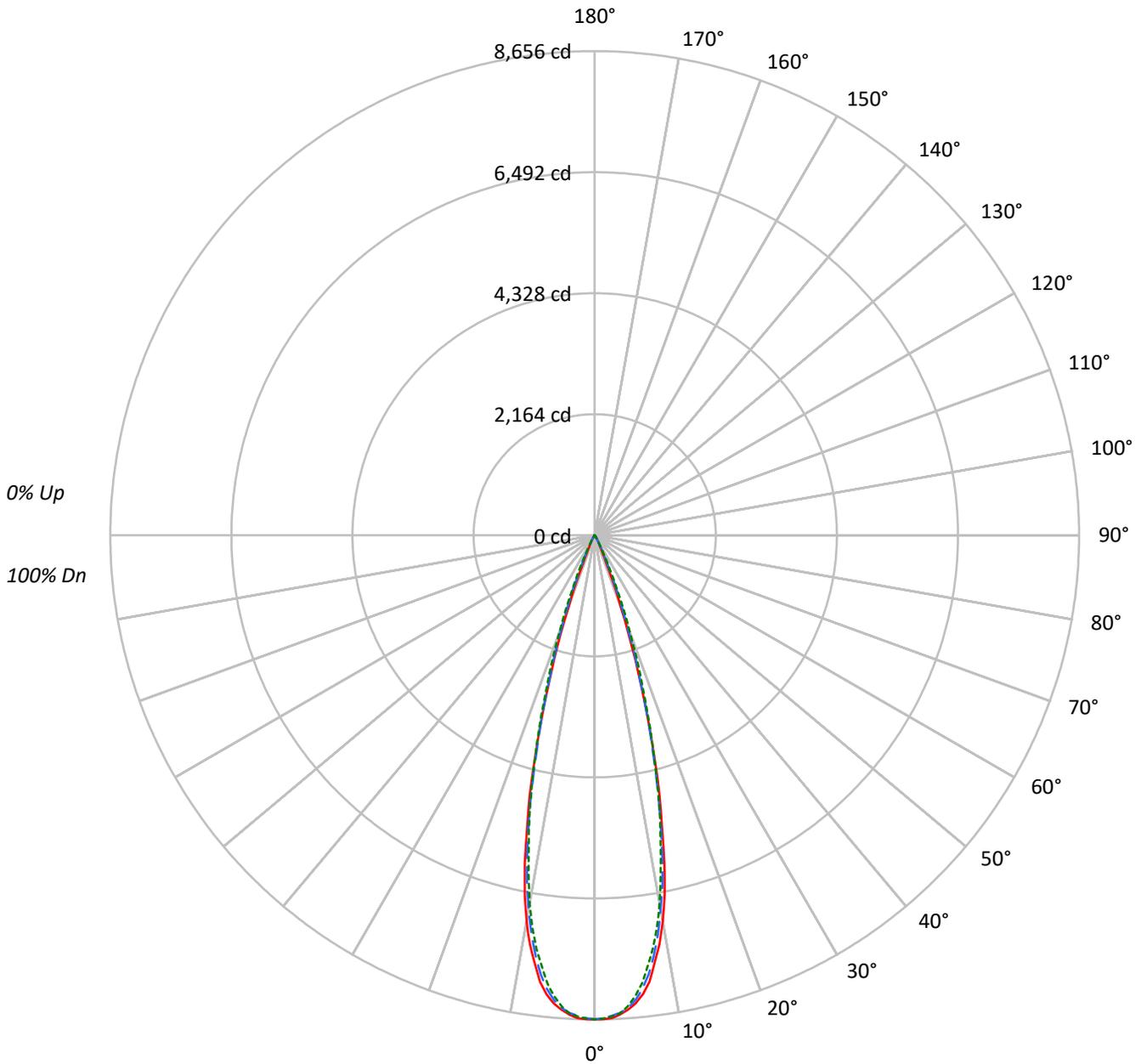
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2097.0 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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



— 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  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 99  | 99  | 99  | 97  |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 96  | 94  | 93  | 92  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 94  | 92  | 90  | 89  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 92  | 89  | 88  | 87  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 90  | 87  | 85  | 84  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 88  | 85  | 83  | 82  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 86  | 83  | 81  | 80  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1490484 | 1490484 | 1490484 |
| 5°  | 1452110 | 1442100 | 1430223 |
| 10° | 1225450 | 1187834 | 1168545 |
| 15° | 738492  | 717863  | 731075  |
| 20° | 250501  | 289264  | 333671  |
| 25° | 46043   | 72153   | 85208   |
| 30° | 15810   | 17619   | 19767   |
| 35° | 4562    | 5698    | 6076    |
| 40° | 1214    | 2023    | 1619    |
| 45° | 438     | 438     | 438     |
| 50° | 482     | 0       | 482     |
| 55° | 0       | 0       | 0       |
| 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: 52.5°

Luminance: 509 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 748.4  | 35.7      |
| 10°-20°   | 1093.7 | 52.2      |
| 20°-30°   | 231.4  | 11.0      |
| 30°-40°   | 21.3   | 1.0       |
| 40°-50°   | 2.0    | 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°    | 2073.5 | 98.9      |
| 0°-40°    | 2094.8 | 99.9      |
| 0°-60°    | 2097.0 | 100.0     |
| 0°-90°    | 2097.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2097.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8654 | 8654  | 8654 | 8654  | 8654 |      |
| 5°  | 8400 | 8383  | 8342 | 8316  | 8273 | 758  |
| 15° | 4142 | 4127  | 4026 | 4120  | 4100 | 1093 |
| 25° | 242  | 271   | 380  | 447   | 448  | 177  |
| 35° | 22   | 27    | 27   | 32    | 29   | 18   |
| 45° | 2    | 2     | 2    | 2     | 2    | 2    |
| 55° | 0    | 0     | 0    | 0     | 0    | 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    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 8654.4 | 8654.4 | 8654.4 | 8654.4 | 8654.4 |
| 1°    | 8656.2 | 8647.2 | 8634.5 | 8652.6 | 8639.9 |
| 2°    | 8638.1 | 8616.4 | 8598.4 | 8616.4 | 8611.0 |
| 3°    | 8583.9 | 8565.8 | 8553.2 | 8562.2 | 8562.2 |
| 4°    | 8502.5 | 8482.7 | 8471.8 | 8473.6 | 8446.5 |
| 5°    | 8399.5 | 8383.2 | 8341.6 | 8316.3 | 8272.9 |
| 6°    | 8247.6 | 8207.9 | 8157.2 | 8115.6 | 8059.6 |
| 7°    | 8041.5 | 7980.1 | 7907.7 | 7835.4 | 7764.9 |
| 8°    | 7710.7 | 7681.8 | 7584.1 | 7535.3 | 7464.8 |
| 9°    | 7399.7 | 7329.2 | 7224.4 | 7144.8 | 7106.8 |
| 10°   | 7007.4 | 6902.6 | 6792.3 | 6729.0 | 6682.0 |
| 11°   | 6542.8 | 6436.1 | 6347.5 | 6255.3 | 6183.0 |
| 12°   | 5996.8 | 5906.4 | 5805.2 | 5743.7 | 5658.7 |
| 13°   | 5349.6 | 5336.9 | 5223.0 | 5203.1 | 5192.3 |
| 14°   | 4794.5 | 4743.9 | 4631.8 | 4662.6 | 4669.8 |
| 15°   | 4141.9 | 4127.4 | 4026.2 | 4120.2 | 4100.3 |
| 17.5° | 2594.3 | 2599.8 | 2663.0 | 2811.3 | 2858.3 |
| 20°   | 1366.8 | 1408.4 | 1578.3 | 1757.3 | 1820.6 |
| 22.5° | 553.2  | 645.4  | 819.0  | 940.1  | 1021.5 |
| 25°   | 242.3  | 271.2  | 379.7  | 446.6  | 448.4  |
| 27.5° | 137.4  | 139.2  | 182.6  | 189.8  | 193.4  |
| 30°   | 79.5   | 81.4   | 88.6   | 94.0   | 99.4   |
| 32.5° | 43.4   | 47.0   | 48.8   | 56.0   | 56.0   |
| 35°   | 21.7   | 27.1   | 27.1   | 32.5   | 28.9   |
| 37.5° | 12.7   | 14.5   | 16.3   | 16.3   | 14.5   |
| 40°   | 5.4    | 7.2    | 9.0    | 9.0    | 7.2    |
| 42.5° | 1.8    | 3.6    | 3.6    | 3.6    | 5.4    |
| 45°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 47.5° | 1.8    | 1.8    | 0.0    | 1.8    | 1.8    |
| 50°   | 1.8    | 0.0    | 0.0    | 0.0    | 1.8    |
| 52.5° | 1.8    | 0.0    | 0.0    | 0.0    | 1.8    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)