

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: P1307694

Luminaire Tested: LDSQA3D02R559027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307694  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R559027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

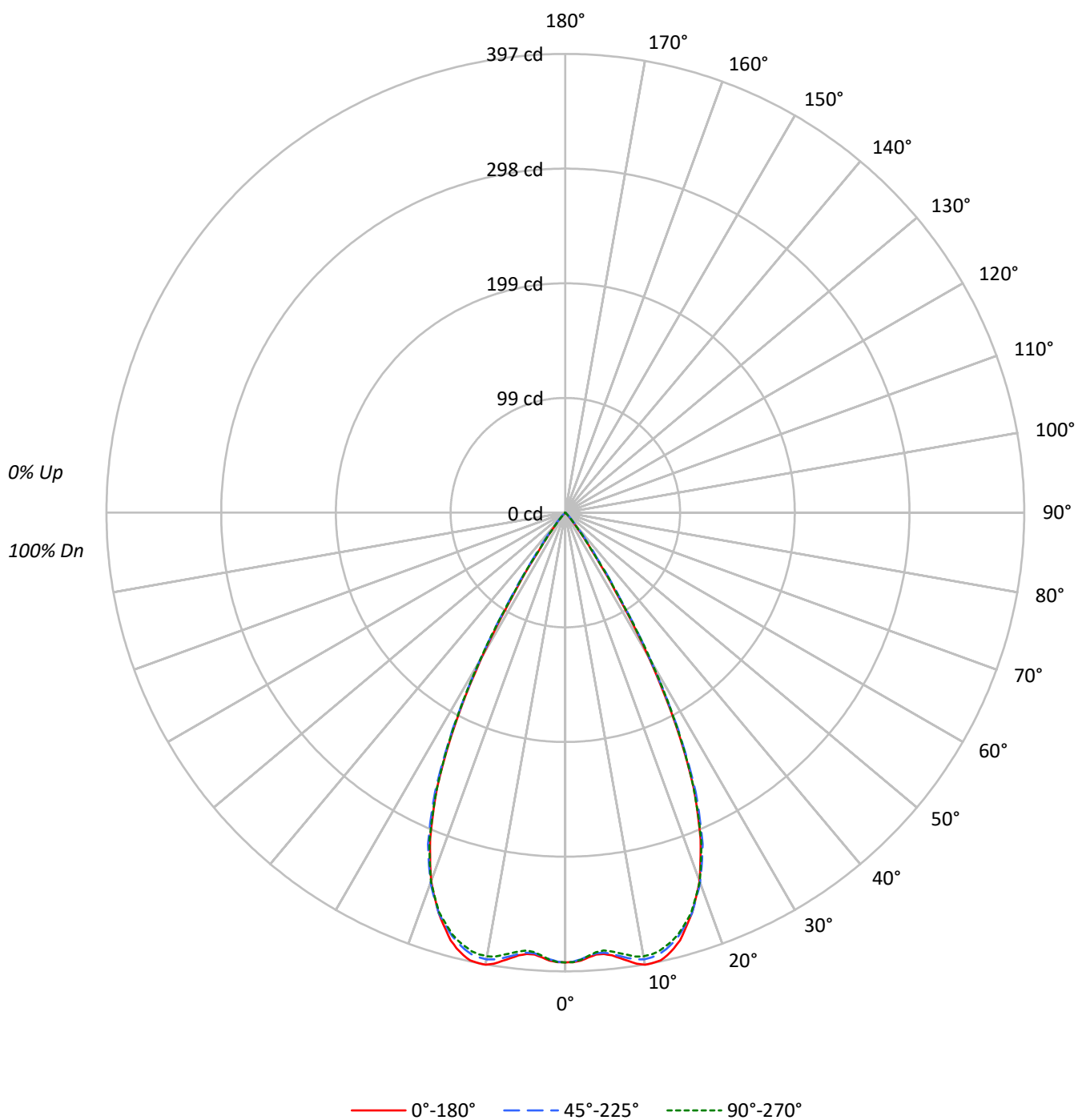
Lumens per Lamp: N/A  
Luminaire Lumens: 296.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  | 92  | 90  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 65  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 67046 | 67046 | 67046 |
| 5°  | 66282 | 66092 | 65746 |
| 10° | 69480 | 68640 | 68168 |
| 15° | 68324 | 67593 | 67361 |
| 20° | 62240 | 62479 | 62277 |
| 25° | 49920 | 50699 | 49920 |
| 30° | 28657 | 29372 | 29611 |
| 35° | 8179  | 9839  | 8410  |
| 40° | 2091  | 3013  | 2136  |
| 45° | 219   | 1047  | 170   |
| 50° | 0     | 188   | 0     |
| 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: 45°

Vertical Angle: 45°

Luminance: 1047 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.0   | 12.5      |
| 10°-20°   | 105.5  | 35.6      |
| 20°-30°   | 116.2  | 39.3      |
| 30°-40°   | 34.7   | 11.7      |
| 40°-50°   | 2.7    | 0.9       |
| 50°-60°   | 0.0    | 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°    | 258.6  | 87.4      |
| 0°-40°    | 293.3  | 99.1      |
| 0°-60°    | 296.0  | 100.0     |
| 0°-90°    | 296.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 296.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 389 | 389   | 389 | 389   | 389 |      |
| 5°  | 383 | 383   | 382 | 381   | 380 | 37   |
| 15° | 383 | 380   | 379 | 378   | 378 | 106  |
| 25° | 263 | 263   | 267 | 266   | 263 | 115  |
| 35° | 39  | 41    | 47  | 43    | 40  | 32   |
| 45° | 1   | 2     | 4   | 2     | 1   | 2    |
| 55° | 0   | 0     | 0   | 0     | 0   | 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°    | 389.3 | 389.3 | 389.3 | 389.3 | 389.3 |
| 1°    | 389.1 | 389.1 | 388.7 | 388.4 | 389.1 |
| 2°    | 388.0 | 388.0 | 386.8 | 386.6 | 387.3 |
| 3°    | 385.5 | 385.3 | 384.3 | 383.7 | 384.1 |
| 4°    | 383.4 | 383.0 | 382.3 | 381.2 | 381.4 |
| 5°    | 383.4 | 382.8 | 382.3 | 380.7 | 380.3 |
| 6°    | 385.3 | 384.8 | 383.9 | 382.3 | 381.8 |
| 7°    | 388.4 | 387.5 | 386.6 | 384.6 | 384.1 |
| 8°    | 391.8 | 391.2 | 389.3 | 387.3 | 386.4 |
| 9°    | 395.3 | 393.7 | 391.4 | 389.3 | 389.1 |
| 10°   | 397.3 | 395.0 | 392.5 | 390.0 | 389.8 |
| 11°   | 397.1 | 395.0 | 392.1 | 389.8 | 389.6 |
| 12°   | 396.2 | 393.2 | 390.7 | 388.0 | 388.2 |
| 13°   | 393.0 | 390.3 | 387.8 | 385.7 | 385.3 |
| 14°   | 388.7 | 386.2 | 383.9 | 381.8 | 382.1 |
| 15°   | 383.2 | 380.5 | 379.1 | 377.5 | 377.8 |
| 17.5° | 363.9 | 363.2 | 363.9 | 362.1 | 362.7 |
| 20°   | 339.6 | 338.9 | 340.9 | 340.0 | 339.8 |
| 22.5° | 305.7 | 306.6 | 310.5 | 309.3 | 307.3 |
| 25°   | 262.7 | 262.7 | 266.8 | 266.4 | 262.7 |
| 27.5° | 206.8 | 208.4 | 210.9 | 212.1 | 209.3 |
| 30°   | 144.1 | 147.7 | 147.7 | 150.0 | 148.9 |
| 32.5° | 80.5  | 88.2  | 90.0  | 91.1  | 86.6  |
| 35°   | 38.9  | 41.4  | 46.8  | 42.7  | 40.0  |
| 37.5° | 18.6  | 19.8  | 25.2  | 20.5  | 19.1  |
| 40°   | 9.3   | 10.7  | 13.4  | 11.1  | 9.5   |
| 42.5° | 3.9   | 5.7   | 7.0   | 5.7   | 3.9   |
| 45°   | 0.9   | 2.3   | 4.3   | 2.3   | 0.7   |
| 47.5° | 0.0   | 0.2   | 2.0   | 0.5   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.7   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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)