

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: P1317950

Luminaire Tested: LDSQA3D02R409830DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317950  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409830DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

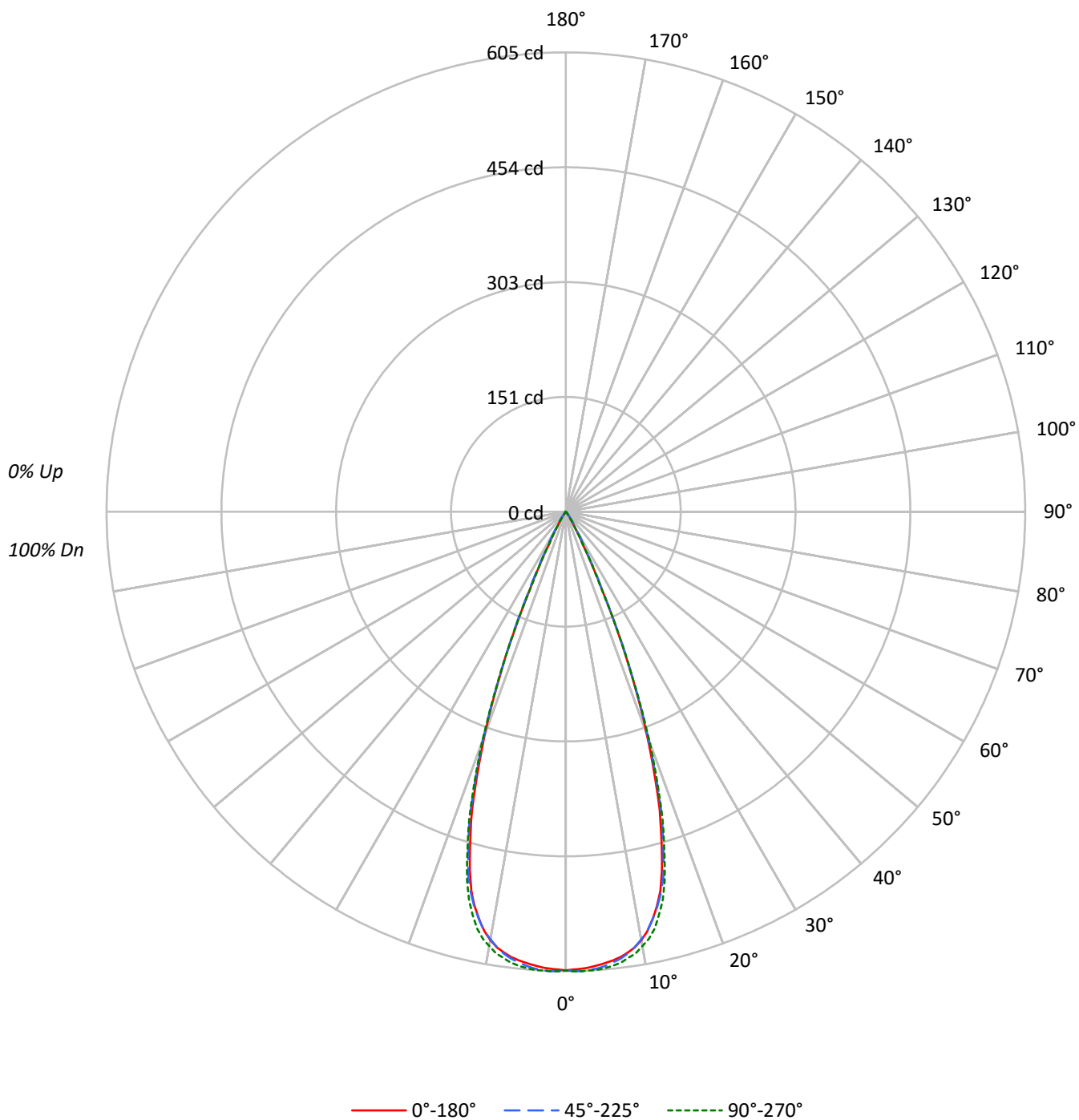
Lumens per Lamp: N/A  
Luminaire Lumens: 254.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |     |     | 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 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 94  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 90  | 90  | 89  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 88  | 87  | 87  | 87  | 85  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83  | 82  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 80  | 80  | 79  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 78  | 82  | 80  | 77  | 77  | 77  | 76  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 75  | 75  | 73  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 77  | 74  | 72  | 72  | 72  | 71  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  | 76  | 72  | 70  | 75  | 72  | 70  | 70  | 70  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 104022 | 104022 | 104022 |
| 5°  | 103123 | 103780 | 104264 |
| 10° | 100188 | 99996  | 101570 |
| 15° | 87152  | 88561  | 89648  |
| 20° | 57200  | 58318  | 59070  |
| 25° | 20390  | 21587  | 20295  |
| 30° | 4455   | 6006   | 4474   |
| 35° | 1430   | 2481   | 1388   |
| 40° | 450    | 764    | 405    |
| 45° | 49     | 268    | 49     |
| 50° | 0      | 54     | 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: 268 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.5   | 22.2      |
| 10°-20°   | 131.5  | 51.8      |
| 20°-30°   | 59.0   | 23.2      |
| 30°-40°   | 6.4    | 2.5       |
| 40°-50°   | 0.6    | 0.2       |
| 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°    | 247.0  | 97.3      |
| 0°-40°    | 253.4  | 99.8      |
| 0°-60°    | 254.0  | 100.0     |
| 0°-90°    | 254.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 254.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 604 | 604   | 604 | 604   | 604 |      |
| 5°  | 596 | 598   | 600 | 601   | 603 | 56   |
| 15° | 489 | 492   | 497 | 500   | 503 | 130  |
| 25° | 107 | 110   | 114 | 116   | 107 | 57   |
| 35° | 7   | 8     | 12  | 8     | 7   | 5    |
| 45° | 0   | 0     | 1   | 0     | 0   | 0    |
| 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   |      |

TEST NUMBER: P1317950

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 604.0 | 604.0 | 604.0 | 604.0 | 604.0 |
| 1°    | 602.8 | 604.0 | 605.1 | 604.2 | 605.4 |
| 2°    | 602.2 | 603.7 | 605.3 | 604.4 | 605.4 |
| 3°    | 600.8 | 602.6 | 604.4 | 603.8 | 604.9 |
| 4°    | 598.8 | 600.3 | 602.9 | 602.9 | 604.6 |
| 5°    | 596.5 | 598.1 | 600.3 | 601.2 | 603.1 |
| 6°    | 594.0 | 594.9 | 596.5 | 598.3 | 601.0 |
| 7°    | 590.8 | 590.8 | 592.8 | 594.5 | 598.1 |
| 8°    | 586.3 | 586.0 | 587.4 | 589.7 | 592.9 |
| 9°    | 580.8 | 579.5 | 580.6 | 584.0 | 588.8 |
| 10°   | 572.9 | 571.8 | 571.8 | 576.1 | 580.8 |
| 11°   | 562.7 | 562.3 | 562.5 | 566.6 | 572.9 |
| 12°   | 548.9 | 549.3 | 549.3 | 553.9 | 561.6 |
| 13°   | 533.4 | 533.2 | 534.8 | 540.0 | 545.2 |
| 14°   | 514.4 | 515.5 | 517.1 | 521.7 | 527.1 |
| 15°   | 488.8 | 492.4 | 496.7 | 499.6 | 502.8 |
| 17.5° | 411.0 | 414.6 | 420.5 | 422.8 | 423.5 |
| 20°   | 312.1 | 317.3 | 318.2 | 322.8 | 322.3 |
| 22.5° | 209.3 | 208.9 | 209.6 | 210.2 | 210.3 |
| 25°   | 107.3 | 110.5 | 113.6 | 115.5 | 106.8 |
| 27.5° | 46.7  | 52.2  | 56.2  | 51.0  | 47.2  |
| 30°   | 22.4  | 25.4  | 30.2  | 25.6  | 22.5  |
| 32.5° | 12.2  | 14.1  | 19.1  | 14.0  | 12.0  |
| 35°   | 6.8   | 7.9   | 11.8  | 7.7   | 6.6   |
| 37.5° | 3.9   | 4.3   | 6.4   | 4.3   | 3.8   |
| 40°   | 2.0   | 2.5   | 3.4   | 2.5   | 1.8   |
| 42.5° | 0.7   | 1.3   | 1.8   | 1.3   | 0.7   |
| 45°   | 0.2   | 0.4   | 1.1   | 0.4   | 0.2   |
| 47.5° | 0.0   | 0.0   | 0.5   | 0.0   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.2   | 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)