

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: P1312029

Luminaire Tested: LDSQA3D02R129050DE010 3LSQPHRL1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312029  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R129050DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R12 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 333.0 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.7  
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  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 116 | 114 | 113 | 111 |  | 114 | 112 | 111 | 109 |  | 108 | 107 | 106 |  | 104 | 104 | 103 |  | 101 | 101 | 100 |
| 2   | 113 | 110 | 108 | 106 |  | 111 | 108 | 106 | 104 |  | 105 | 104 | 102 |  | 103 | 101 | 100 |  | 100 | 99  | 98  |
| 3   | 110 | 107 | 104 | 102 |  | 109 | 105 | 103 | 101 |  | 103 | 101 | 99  |  | 101 | 99  | 98  |  | 99  | 98  | 96  |
| 4   | 108 | 104 | 101 | 98  |  | 107 | 103 | 100 | 98  |  | 101 | 99  | 97  |  | 99  | 97  | 96  |  | 98  | 96  | 95  |
| 5   | 106 | 102 | 98  | 96  |  | 105 | 101 | 98  | 96  |  | 99  | 97  | 95  |  | 98  | 96  | 94  |  | 97  | 95  | 93  |
| 6   | 104 | 99  | 96  | 94  |  | 103 | 99  | 96  | 94  |  | 98  | 95  | 93  |  | 96  | 94  | 93  |  | 95  | 93  | 92  |
| 7   | 102 | 98  | 94  | 92  |  | 101 | 97  | 94  | 92  |  | 96  | 93  | 92  |  | 95  | 93  | 91  |  | 94  | 92  | 91  |
| 8   | 101 | 96  | 93  | 91  |  | 100 | 95  | 93  | 90  |  | 95  | 92  | 90  |  | 94  | 92  | 90  |  | 93  | 91  | 90  |
| 9   | 99  | 94  | 91  | 89  |  | 98  | 94  | 91  | 89  |  | 93  | 91  | 89  |  | 93  | 90  | 89  |  | 92  | 90  | 88  |
| 10  | 98  | 93  | 90  | 88  |  | 97  | 93  | 90  | 88  |  | 92  | 90  | 88  |  | 91  | 89  | 88  |  | 91  | 89  | 87  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 844907 |
| 5°  | 545922 |
| 10° | 154034 |
| 15° | 43558  |
| 20° | 18218  |
| 25° | 8057   |
| 30° | 4117   |
| 35° | 2166   |
| 40° | 922    |
| 45° | 244    |
| 50° | 268    |
| 55° | 0      |
| 60° | 0      |
| 65° | 0      |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 268 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 222.5  | 66.8      |
| 10°-20°   | 80.7   | 24.2      |
| 20°-30°   | 21.6   | 6.5       |
| 30°-40°   | 6.8    | 2.0       |
| 40°-50°   | 1.3    | 0.4       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 324.8  | 97.6      |
| 0°-40°    | 331.6  | 99.6      |
| 0°-60°    | 333.0  | 100.0     |
| 0°-90°    | 333.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 333.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4906 |      |
| 5°  | 3158 | 222  |
| 15° | 244  | 81   |
| 25° | 42   | 22   |
| 35° | 10   | 7    |
| 45° | 1    | 1    |
| 55° | 0    | 0    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4905.9 |
| 1°    | 4823.1 |
| 2°    | 4590.2 |
| 3°    | 4191.7 |
| 4°    | 3697.0 |
| 5°    | 3157.8 |
| 6°    | 2595.8 |
| 7°    | 2092.8 |
| 8°    | 1610.5 |
| 9°    | 1198.5 |
| 10°   | 880.8  |
| 11°   | 648.9  |
| 12°   | 488.5  |
| 13°   | 378.8  |
| 14°   | 300.1  |
| 15°   | 244.3  |
| 17.5° | 155.2  |
| 20°   | 99.4   |
| 22.5° | 64.2   |
| 25°   | 42.4   |
| 27.5° | 29.0   |
| 30°   | 20.7   |
| 32.5° | 14.5   |
| 35°   | 10.3   |
| 37.5° | 7.2    |
| 40°   | 4.1    |
| 42.5° | 2.1    |
| 45°   | 1.0    |
| 47.5° | 1.0    |
| 50°   | 1.0    |
| 52.5° | 0.0    |
| 55°   | 0.0    |
| 57.5° | 0.0    |
| 60°   | 0.0    |
| 62.5° | 0.0    |
| 65°   | 0.0    |
| 67.5° | 0.0    |
| 70°   | 0.0    |
| 72.5° | 0.0    |
| 75°   | 0.0    |
| 77.5° | 0.0    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)