

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: P1319947

Luminaire Tested: LDSQA3D09R259840DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319947  
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: LDSQA3D09R259840DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

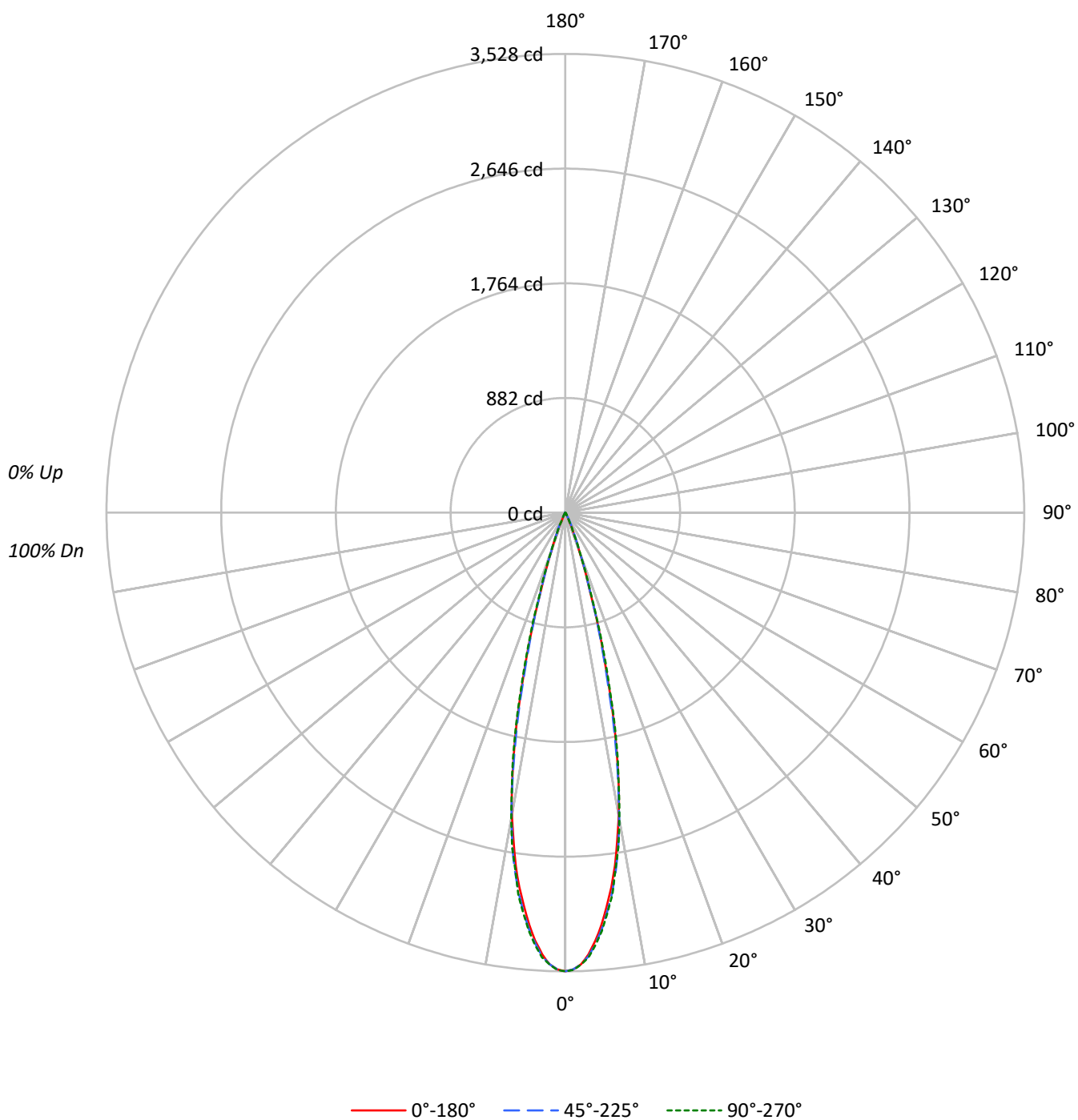
Lumens per Lamp: N/A  
Luminaire Lumens: 651.0 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 607515 | 607515 | 607515 |
| 5°  | 550521 | 555534 | 558248 |
| 10° | 413852 | 416808 | 418731 |
| 15° | 204918 | 198820 | 212068 |
| 20° | 57878  | 58831  | 59473  |
| 25° | 10033  | 18965  | 11915  |
| 30° | 3918   | 4037   | 4156   |
| 35° | 1219   | 1346   | 1346   |
| 40° | 382    | 517    | 382    |
| 45° | 292    | 146    | 292    |
| 50° | 161    | 0      | 161    |
| 55° | 180    | 0      | 180    |
| 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: 292 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 280.2  | 43.0      |
| 10°-20°   | 316.0  | 48.5      |
| 20°-30°   | 49.0   | 7.5       |
| 30°-40°   | 5.0    | 0.8       |
| 40°-50°   | 0.7    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 645.3  | 99.1      |
| 0°-40°    | 650.2  | 99.9      |
| 0°-60°    | 651.0  | 100.0     |
| 0°-90°    | 651.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 651.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3528 | 3528  | 3528 | 3528  | 3528 |      |
| 5°  | 3184 | 3190  | 3213 | 3226  | 3229 | 278  |
| 15° | 1149 | 1141  | 1115 | 1165  | 1189 | 315  |
| 25° | 53   | 78    | 100  | 76    | 63   | 44   |
| 35° | 6    | 6     | 6    | 7     | 6    | 5    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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°    | 3527.5 | 3527.5 | 3527.5 | 3527.5 | 3527.5 |
| 1°    | 3512.9 | 3517.6 | 3512.4 | 3518.2 | 3517.6 |
| 2°    | 3476.4 | 3481.0 | 3474.6 | 3478.1 | 3478.1 |
| 3°    | 3401.5 | 3411.4 | 3417.2 | 3421.2 | 3424.7 |
| 4°    | 3302.8 | 3313.8 | 3322.6 | 3333.0 | 3333.0 |
| 5°    | 3184.4 | 3190.2 | 3213.4 | 3226.2 | 3229.1 |
| 6°    | 3043.4 | 3066.6 | 3084.0 | 3109.5 | 3093.9 |
| 7°    | 2902.3 | 2921.5 | 2945.8 | 2949.9 | 2960.9 |
| 8°    | 2742.1 | 2762.4 | 2785.0 | 2781.0 | 2771.7 |
| 9°    | 2547.1 | 2576.7 | 2603.4 | 2594.7 | 2606.3 |
| 10°   | 2366.5 | 2384.5 | 2383.4 | 2374.7 | 2394.4 |
| 11°   | 2157.0 | 2161.1 | 2138.4 | 2173.8 | 2152.3 |
| 12°   | 1908.6 | 1912.0 | 1883.0 | 1917.8 | 1939.9 |
| 13°   | 1670.6 | 1662.4 | 1622.4 | 1668.2 | 1696.1 |
| 14°   | 1396.6 | 1399.5 | 1348.4 | 1437.2 | 1430.3 |
| 15°   | 1149.3 | 1141.2 | 1115.1 | 1165.0 | 1189.4 |
| 17.5° | 612.4  | 617.6  | 611.2  | 636.2  | 651.9  |
| 20°   | 315.8  | 324.5  | 321.0  | 331.4  | 324.5  |
| 22.5° | 163.7  | 175.9  | 179.4  | 171.2  | 149.2  |
| 25°   | 52.8   | 78.4   | 99.8   | 76.0   | 62.7   |
| 27.5° | 31.9   | 31.3   | 48.8   | 33.7   | 34.2   |
| 30°   | 19.7   | 19.2   | 20.3   | 20.3   | 20.9   |
| 32.5° | 11.0   | 11.6   | 11.0   | 12.2   | 11.6   |
| 35°   | 5.8    | 6.4    | 6.4    | 7.0    | 6.4    |
| 37.5° | 3.5    | 4.1    | 4.1    | 4.1    | 3.5    |
| 40°   | 1.7    | 2.3    | 2.3    | 1.7    | 1.7    |
| 42.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 45°   | 1.2    | 0.6    | 0.6    | 0.6    | 1.2    |
| 47.5° | 0.6    | 0.6    | 0.0    | 0.6    | 0.6    |
| 50°   | 0.6    | 0.6    | 0.0    | 0.6    | 0.6    |
| 52.5° | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 55°   | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 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)