

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: P1307006

Luminaire Tested: LDSQA3D09R359024DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359024DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

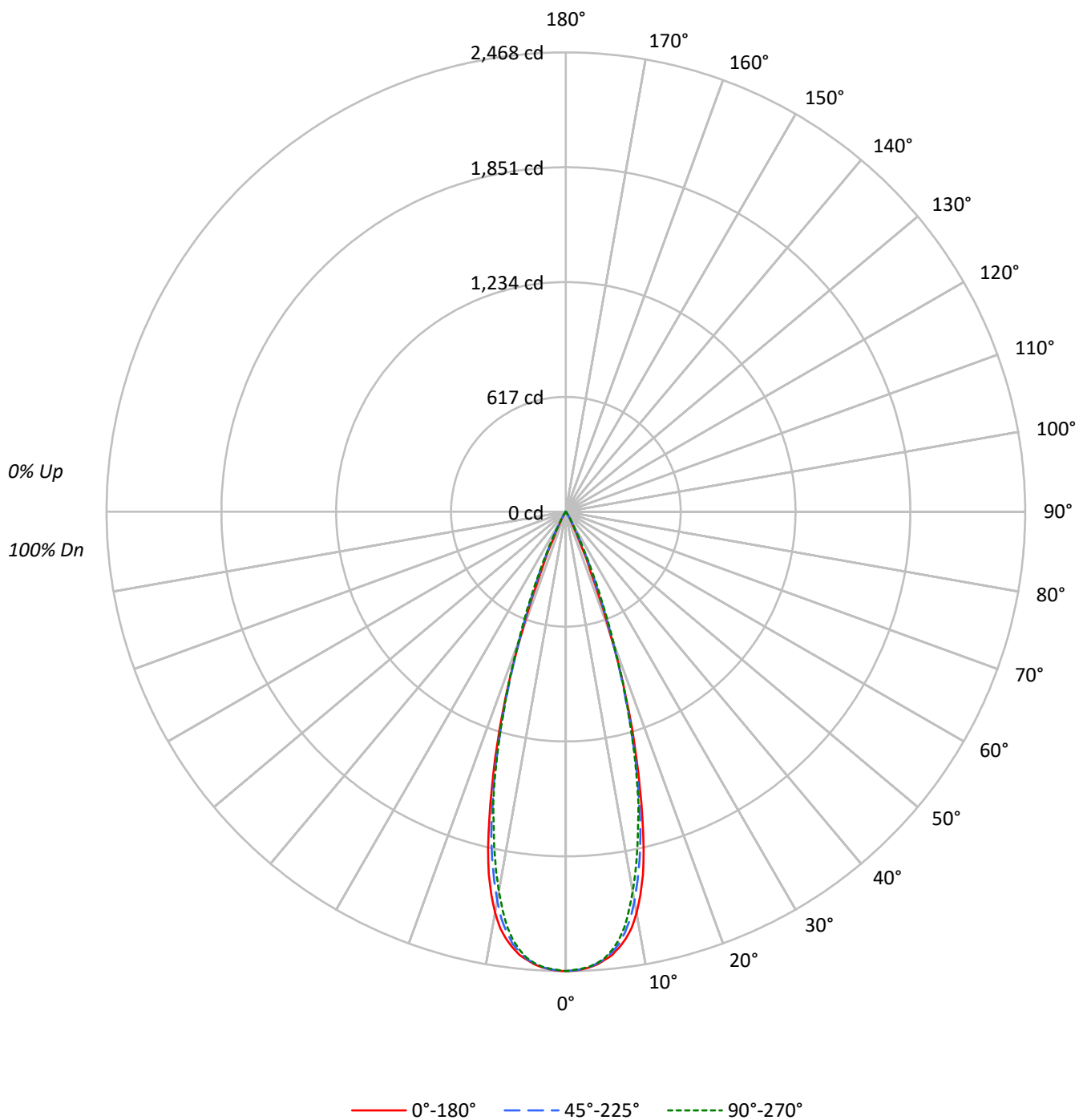
Lumens per Lamp: N/A  
Luminaire Lumens: 749.0 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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

TEST NUMBER: P1307006

CATALOG NUMBER: LDSQA3D09R359024DE010 3LSQPHR1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1307006

CATALOG NUMBER: LDSQA3D09R359024DE010 3LSQPHR1MB

**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 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 424994 | 424994 | 424994 |
| 5°  | 417697 | 416798 | 415916 |
| 10° | 382811 | 371304 | 362280 |
| 15° | 274115 | 265379 | 262152 |
| 20° | 127102 | 131482 | 136100 |
| 25° | 30157  | 42908  | 44751  |
| 30° | 8850   | 10142  | 11415  |
| 35° | 2039   | 3259   | 2985   |
| 40° | 427    | 877    | 585    |
| 45° | 146    | 146    | 146    |
| 50° | 161    | 0      | 161    |
| 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: 170 cd/sqm

TEST NUMBER: P1307006

CATALOG NUMBER: LDSQA3D09R359024DE010 3LSQPHR1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 221.5  | 29.6      |
| 10°-20°   | 396.1  | 52.9      |
| 20°-30°   | 119.2  | 15.9      |
| 30°-40°   | 11.4   | 1.5       |
| 40°-50°   | 0.8    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 736.8  | 98.4      |
| 0°-40°    | 748.2  | 99.9      |
| 0°-60°    | 749.0  | 100.0     |
| 0°-90°    | 749.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 749.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2468 | 2468  | 2468 | 2468  | 2468 |      |
| 5°  | 2416 | 2415  | 2411 | 2408  | 2406 | 224  |
| 15° | 1537 | 1526  | 1488 | 1482  | 1470 | 406  |
| 25° | 159  | 175   | 226  | 236   | 236  | 102  |
| 35° | 10   | 13    | 16   | 17    | 14   | 9    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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: P1307006

CATALOG NUMBER: LDSQA3D09R359024DE010 3LSQPHR1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2467.7 | 2467.7 | 2467.7 | 2467.7 | 2467.7 |
| 1°    | 2466.4 | 2466.4 | 2465.1 | 2465.1 | 2462.5 |
| 2°    | 2460.6 | 2461.2 | 2458.7 | 2458.0 | 2456.1 |
| 3°    | 2451.6 | 2449.6 | 2449.6 | 2448.3 | 2447.1 |
| 4°    | 2437.4 | 2433.5 | 2432.2 | 2432.9 | 2430.3 |
| 5°    | 2416.1 | 2415.4 | 2410.9 | 2407.7 | 2405.8 |
| 6°    | 2392.9 | 2388.3 | 2378.7 | 2370.3 | 2368.3 |
| 7°    | 2358.0 | 2348.3 | 2340.0 | 2322.5 | 2320.0 |
| 8°    | 2315.4 | 2300.0 | 2281.9 | 2257.4 | 2256.1 |
| 9°    | 2263.2 | 2238.0 | 2212.9 | 2180.0 | 2168.3 |
| 10°   | 2189.0 | 2165.8 | 2123.2 | 2094.2 | 2071.6 |
| 11°   | 2096.7 | 2067.7 | 2018.0 | 1983.2 | 1964.5 |
| 12°   | 1992.2 | 1965.1 | 1907.1 | 1875.4 | 1849.0 |
| 13°   | 1858.0 | 1835.4 | 1781.3 | 1746.4 | 1725.8 |
| 14°   | 1702.5 | 1685.8 | 1634.2 | 1618.7 | 1611.6 |
| 15°   | 1537.4 | 1525.8 | 1488.4 | 1481.9 | 1470.3 |
| 17.5° | 1131.6 | 1112.2 | 1090.9 | 1094.8 | 1098.7 |
| 20°   | 693.5  | 720.6  | 717.4  | 731.6  | 742.6  |
| 22.5° | 345.8  | 380.6  | 421.3  | 445.8  | 458.1  |
| 25°   | 158.7  | 174.8  | 225.8  | 235.5  | 235.5  |
| 27.5° | 80.0   | 83.9   | 106.4  | 108.4  | 113.5  |
| 30°   | 44.5   | 47.7   | 51.0   | 56.8   | 57.4   |
| 32.5° | 22.6   | 26.5   | 27.7   | 31.0   | 29.7   |
| 35°   | 9.7    | 12.9   | 15.5   | 16.8   | 14.2   |
| 37.5° | 4.5    | 5.8    | 8.4    | 7.7    | 5.8    |
| 40°   | 1.9    | 2.6    | 3.9    | 3.2    | 2.6    |
| 42.5° | 1.3    | 1.3    | 1.9    | 1.3    | 1.3    |
| 45°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 47.5° | 0.6    | 0.6    | 0.0    | 0.6    | 0.6    |
| 50°   | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 52.5° | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 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    |



TEST NUMBER: P1307006

CATALOG NUMBER: LDSQA3D09R359024DE010 3LSQPHR1MB

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)