

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: IRiS

Report Number: P1307410

Luminaire Tested: P3SQAS24R609027D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307410  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R609027D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

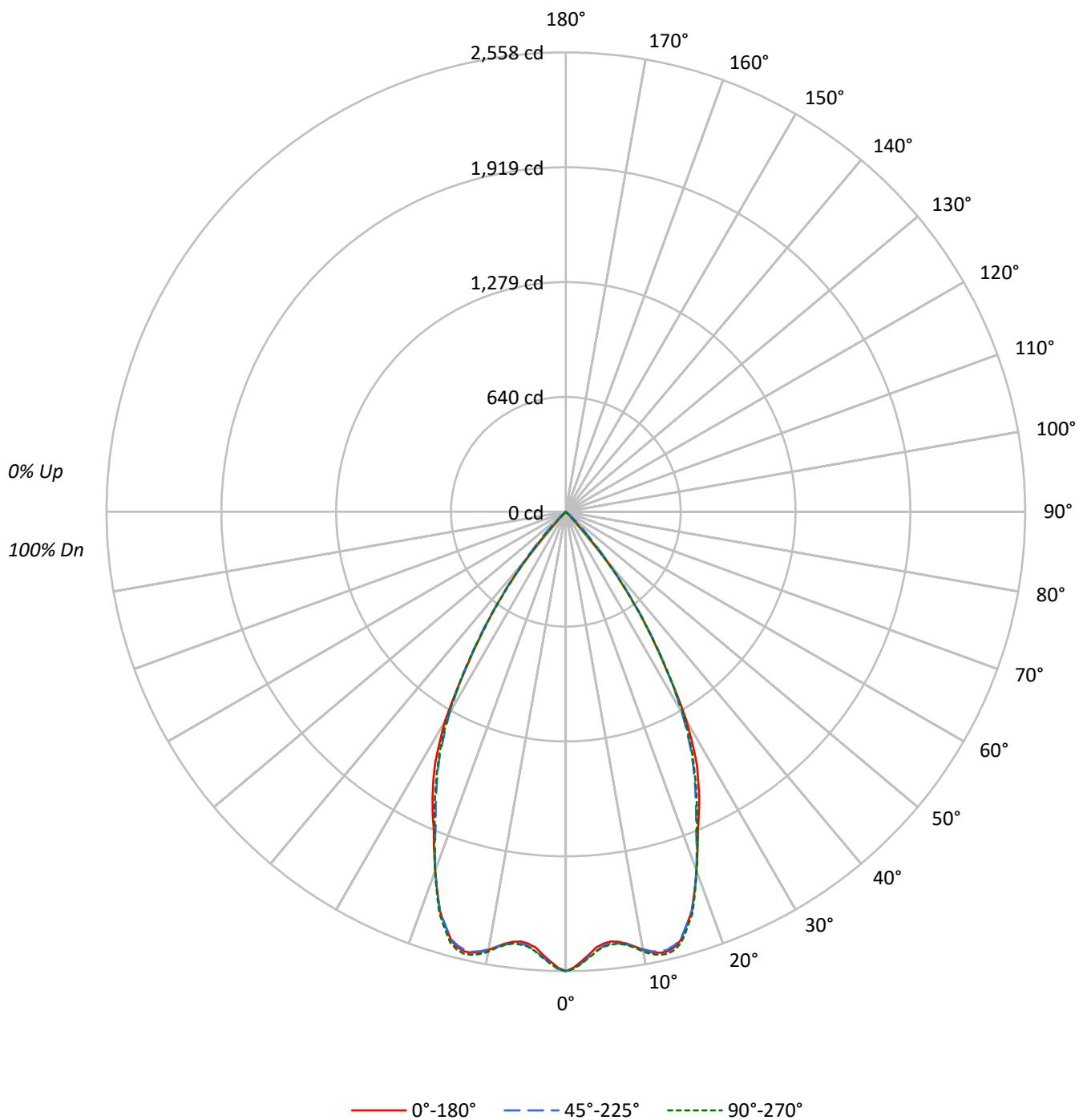
Lumens per Lamp: N/A  
Luminaire Lumens: 2267.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  |  | 91  | 88  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  |  | 81  | 77  | 74  |  | 79  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  |  | 77  | 72  | 69  |  | 75  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  |  | 65  | 61  | 57  |  | 64  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 440563 | 440563 | 440563 |
| 5°  | 417247 | 419443 | 420065 |
| 10° | 433141 | 432512 | 435030 |
| 15° | 440325 | 439665 | 442892 |
| 20° | 389662 | 389662 | 390322 |
| 25° | 333934 | 323957 | 326713 |
| 30° | 267116 | 257412 | 261369 |
| 35° | 165715 | 169142 | 165337 |
| 40° | 72752  | 80081  | 74775  |
| 45° | 877    | 25988  | 2192   |
| 50° | 0      | 2894   | 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: 25988 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 233.6  | 10.3      |
| 10°-20°   | 677.2  | 29.9      |
| 20°-30°   | 786.3  | 34.7      |
| 30°-40°   | 495.1  | 21.8      |
| 40°-50°   | 74.3   | 3.3       |
| 50°-60°   | 0.4    | 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°    | 1697.2 | 74.9      |
| 0°-40°    | 2192.3 | 96.7      |
| 0°-60°    | 2267.0 | 100.0     |
| 0°-90°    | 2267.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2267.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2558 | 2558  | 2558 | 2558  | 2558 |      |
| 5°  | 2414 | 2422  | 2426 | 2432  | 2430 | 233  |
| 15° | 2470 | 2460  | 2466 | 2482  | 2484 | 677  |
| 25° | 1757 | 1737  | 1705 | 1712  | 1719 | 799  |
| 35° | 788  | 790   | 804  | 788   | 786  | 492  |
| 45° | 4    | 34    | 107  | 45    | 9    | 49   |
| 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°    | 2558.1 | 2558.1 | 2558.1 | 2558.1 | 2558.1 |
| 1°    | 2538.3 | 2545.5 | 2545.5 | 2547.3 | 2545.5 |
| 2°    | 2503.9 | 2514.8 | 2514.8 | 2520.2 | 2516.6 |
| 3°    | 2469.6 | 2478.6 | 2480.4 | 2487.6 | 2485.8 |
| 4°    | 2431.6 | 2446.1 | 2451.5 | 2455.1 | 2453.3 |
| 5°    | 2413.5 | 2422.5 | 2426.2 | 2431.6 | 2429.8 |
| 6°    | 2406.3 | 2413.5 | 2417.1 | 2422.5 | 2422.5 |
| 7°    | 2411.7 | 2417.1 | 2422.5 | 2426.2 | 2422.5 |
| 8°    | 2428.0 | 2433.4 | 2433.4 | 2440.6 | 2435.2 |
| 9°    | 2451.5 | 2453.3 | 2453.3 | 2462.3 | 2456.9 |
| 10°   | 2476.8 | 2473.2 | 2473.2 | 2485.8 | 2487.6 |
| 11°   | 2498.5 | 2494.9 | 2493.1 | 2505.7 | 2509.3 |
| 12°   | 2511.1 | 2503.9 | 2503.9 | 2520.2 | 2522.0 |
| 13°   | 2512.9 | 2503.9 | 2503.9 | 2520.2 | 2525.6 |
| 14°   | 2498.5 | 2487.6 | 2489.4 | 2507.5 | 2512.9 |
| 15°   | 2469.6 | 2460.5 | 2465.9 | 2482.2 | 2484.0 |
| 17.5° | 2332.2 | 2326.7 | 2330.3 | 2341.2 | 2343.0 |
| 20°   | 2126.1 | 2122.4 | 2126.1 | 2126.1 | 2129.7 |
| 22.5° | 1921.8 | 1912.7 | 1894.7 | 1905.5 | 1907.3 |
| 25°   | 1757.3 | 1737.4 | 1704.8 | 1712.1 | 1719.3 |
| 27.5° | 1576.5 | 1551.2 | 1516.8 | 1525.8 | 1527.7 |
| 30°   | 1343.2 | 1330.6 | 1294.4 | 1303.5 | 1314.3 |
| 32.5° | 1037.7 | 1072.1 | 1050.4 | 1048.6 | 1050.4 |
| 35°   | 788.2  | 790.0  | 804.5  | 788.2  | 786.4  |
| 37.5° | 551.4  | 553.2  | 564.1  | 546.0  | 547.8  |
| 40°   | 323.6  | 347.1  | 356.2  | 348.9  | 332.6  |
| 42.5° | 101.2  | 179.0  | 202.5  | 175.4  | 112.1  |
| 45°   | 3.6    | 34.3   | 106.7  | 45.2   | 9.0    |
| 47.5° | 0.0    | 1.8    | 50.6   | 3.6    | 0.0    |
| 50°   | 0.0    | 0.0    | 10.8   | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 1.8    | 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)