

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: P1306283

Luminaire Tested: P3SQAS20R559024D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R559024D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

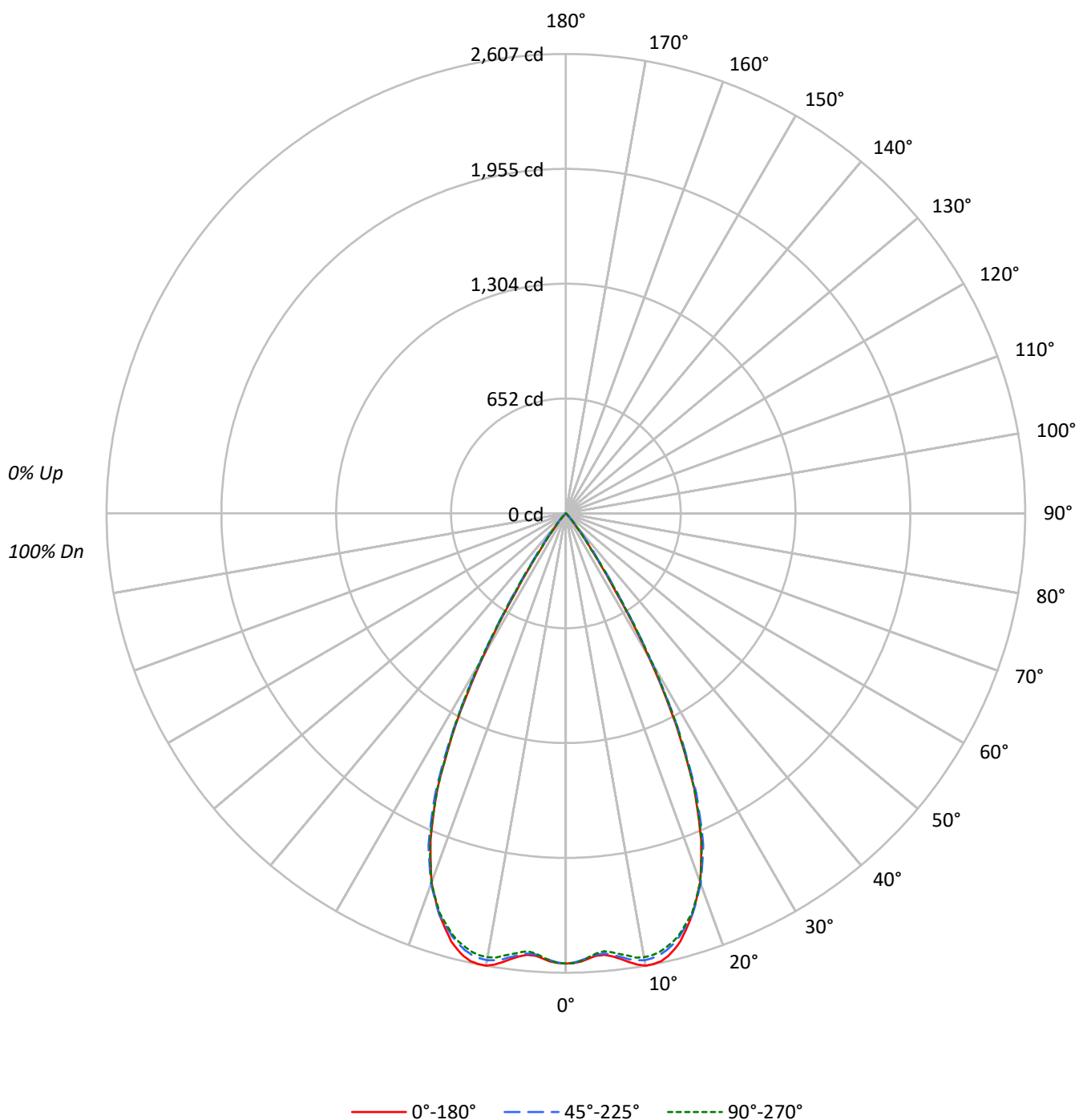
Lumens per Lamp: N/A  
Luminaire Lumens: 1942.0 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  |  | 92  | 90  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  |  | 69  | 65  | 62  |  | 69  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 439926 | 439926 | 439926 |
| 5°  | 434898 | 433619 | 431302 |
| 10° | 455841 | 450367 | 447237 |
| 15° | 448259 | 443481 | 441894 |
| 20° | 408301 | 409951 | 408576 |
| 25° | 327568 | 332680 | 327568 |
| 30° | 188008 | 192760 | 194232 |
| 35° | 53612  | 64587  | 55168  |
| 40° | 13737  | 19784  | 14074  |
| 45° | 1461   | 6893   | 1096   |
| 50° | 0      | 1206   | 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: 6893 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 242.5  | 12.5      |
| 10°-20°   | 692.1  | 35.6      |
| 20°-30°   | 762.3  | 39.3      |
| 30°-40°   | 227.6  | 11.7      |
| 40°-50°   | 17.5   | 0.9       |
| 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°    | 1696.9 | 87.4      |
| 0°-40°    | 1924.4 | 99.1      |
| 0°-60°    | 1942.0 | 100.0     |
| 0°-90°    | 1942.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1942.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2554 | 2554  | 2554 | 2554  | 2554 |      |
| 5°  | 2516 | 2511  | 2508 | 2498  | 2495 | 244  |
| 15° | 2514 | 2496  | 2487 | 2477  | 2478 | 697  |
| 25° | 1724 | 1724  | 1751 | 1748  | 1724 | 755  |
| 35° | 255  | 271   | 307  | 280   | 262  | 211  |
| 45° | 6    | 15    | 28   | 15    | 4    | 11   |
| 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°    | 2554.4 | 2554.4 | 2554.4 | 2554.4 | 2554.4 |
| 1°    | 2552.9 | 2552.9 | 2549.9 | 2548.4 | 2552.9 |
| 2°    | 2545.5 | 2545.5 | 2538.0 | 2536.5 | 2541.0 |
| 3°    | 2529.1 | 2527.6 | 2521.6 | 2517.1 | 2520.1 |
| 4°    | 2515.6 | 2512.6 | 2508.2 | 2500.7 | 2502.2 |
| 5°    | 2515.6 | 2511.2 | 2508.2 | 2497.7 | 2494.8 |
| 6°    | 2527.6 | 2524.6 | 2518.6 | 2508.2 | 2505.2 |
| 7°    | 2548.4 | 2542.5 | 2536.5 | 2523.1 | 2520.1 |
| 8°    | 2570.8 | 2566.3 | 2554.4 | 2541.0 | 2535.0 |
| 9°    | 2593.2 | 2582.7 | 2567.8 | 2554.4 | 2552.9 |
| 10°   | 2606.6 | 2591.7 | 2575.3 | 2558.9 | 2557.4 |
| 11°   | 2605.1 | 2591.7 | 2572.3 | 2557.4 | 2555.9 |
| 12°   | 2599.1 | 2579.8 | 2563.3 | 2545.5 | 2546.9 |
| 13°   | 2578.3 | 2560.4 | 2544.0 | 2530.5 | 2527.6 |
| 14°   | 2549.9 | 2533.5 | 2518.6 | 2505.2 | 2506.7 |
| 15°   | 2514.1 | 2496.2 | 2487.3 | 2476.9 | 2478.4 |
| 17.5° | 2387.4 | 2382.9 | 2387.4 | 2375.5 | 2379.9 |
| 20°   | 2227.8 | 2223.4 | 2236.8 | 2230.8 | 2229.3 |
| 22.5° | 2005.6 | 2011.6 | 2037.0 | 2029.5 | 2016.1 |
| 25°   | 1723.8 | 1723.8 | 1750.7 | 1747.7 | 1723.8 |
| 27.5° | 1357.0 | 1367.4 | 1383.8 | 1391.3 | 1373.4 |
| 30°   | 945.4  | 969.3  | 969.3  | 984.2  | 976.7  |
| 32.5° | 527.9  | 578.6  | 590.5  | 598.0  | 568.1  |
| 35°   | 255.0  | 271.4  | 307.2  | 280.3  | 262.4  |
| 37.5° | 122.3  | 129.7  | 165.5  | 134.2  | 125.3  |
| 40°   | 61.1   | 70.1   | 88.0   | 73.1   | 62.6   |
| 42.5° | 25.4   | 37.3   | 46.2   | 37.3   | 25.4   |
| 45°   | 6.0    | 14.9   | 28.3   | 14.9   | 4.5    |
| 47.5° | 0.0    | 1.5    | 13.4   | 3.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 4.5    | 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)