

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: P1317152

Luminaire Tested: P3SQAS13R409830DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R409830DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

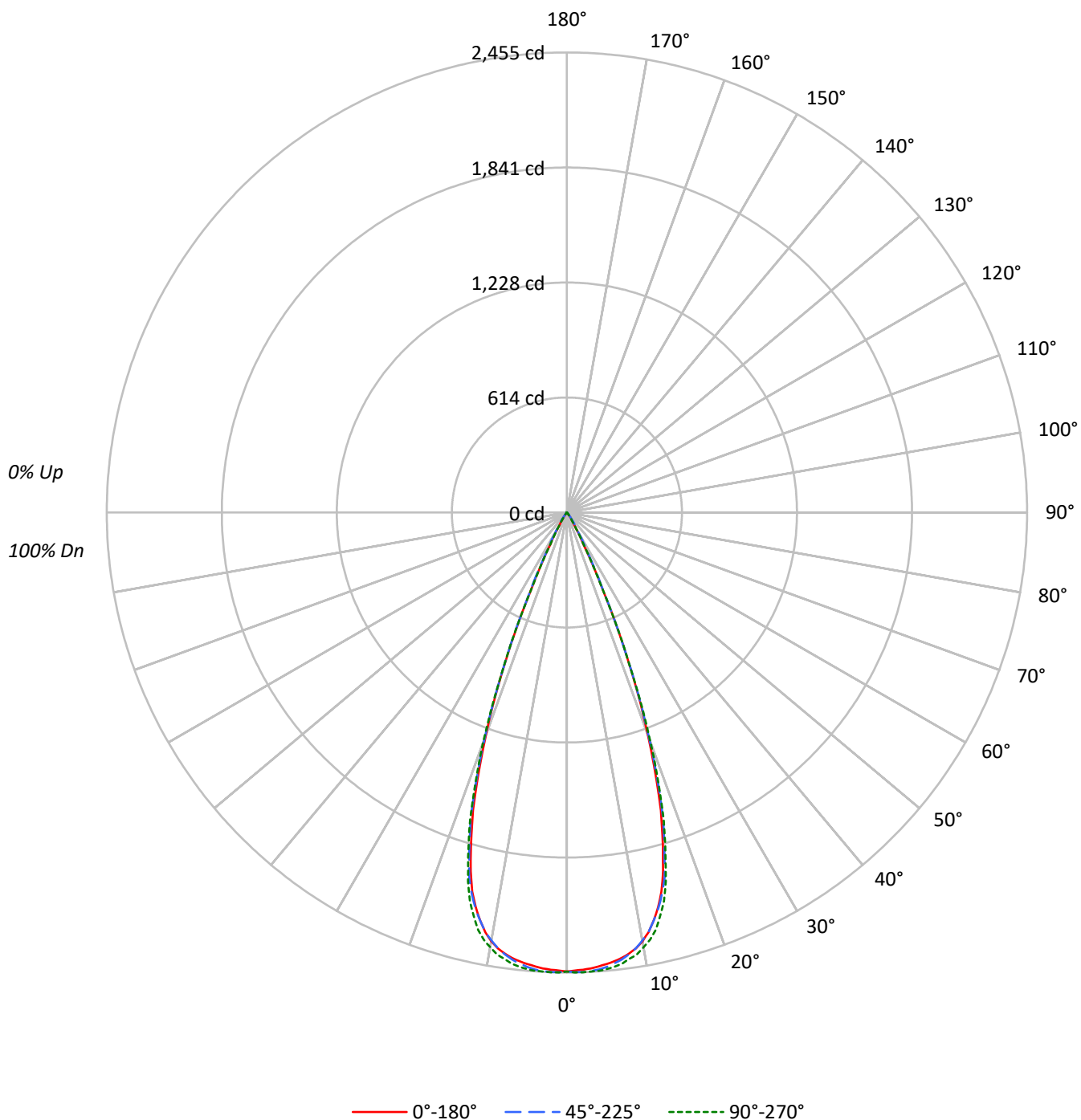
Lumens per Lamp: N/A  
Luminaire Lumens: 1030.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 94  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 90  | 90  | 89  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 88  | 87  | 87  | 87  | 85  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83  | 82  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 80  | 80  | 79  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 78  | 82  | 80  | 77  | 77  | 77  | 76  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 75  | 75  | 73  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 77  | 74  | 72  | 72  | 72  | 71  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  | 76  | 72  | 70  | 75  | 72  | 70  | 70  | 70  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 421842 | 421842 | 421842 |
| 5°  | 418181 | 420808 | 422814 |
| 10° | 406280 | 405510 | 411859 |
| 15° | 353440 | 359128 | 363514 |
| 20° | 231972 | 236480 | 239541 |
| 25° | 82700  | 87526  | 82282  |
| 30° | 18037  | 24381  | 18176  |
| 35° | 5803   | 10071  | 5635   |
| 40° | 1799   | 3103   | 1641   |
| 45° | 170    | 1072   | 170    |
| 50° | 0      | 188    | 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: 1072 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 229.1  | 22.2      |
| 10°-20°   | 533.4  | 51.8      |
| 20°-30°   | 239.2  | 23.2      |
| 30°-40°   | 25.8   | 2.5       |
| 40°-50°   | 2.4    | 0.2       |
| 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       |
| 0°-30°    | 1001.7 | 97.3      |
| 0°-40°    | 1027.6 | 99.8      |
| 0°-60°    | 1030.0 | 100.0     |
| 0°-90°    | 1030.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1030.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2449 | 2449  | 2449 | 2449  | 2449 |      |
| 5°  | 2419 | 2425  | 2434 | 2438  | 2446 | 228  |
| 15° | 1982 | 1997  | 2014 | 2026  | 2039 | 527  |
| 25° | 435  | 448   | 461  | 468   | 433  | 232  |
| 35° | 28   | 32    | 48   | 31    | 27   | 21   |
| 45° | 1    | 2     | 4    | 2     | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2449.4 | 2449.4 | 2449.4 | 2449.4 | 2449.4 |
| 1°    | 2444.3 | 2449.4 | 2453.7 | 2450.1 | 2455.2 |
| 2°    | 2442.1 | 2447.9 | 2454.4 | 2450.8 | 2455.2 |
| 3°    | 2436.3 | 2443.6 | 2450.8 | 2448.6 | 2453.0 |
| 4°    | 2428.3 | 2434.1 | 2445.0 | 2445.0 | 2451.5 |
| 5°    | 2418.9 | 2425.4 | 2434.1 | 2437.8 | 2445.7 |
| 6°    | 2408.8 | 2412.4 | 2418.9 | 2426.2 | 2437.0 |
| 7°    | 2395.7 | 2395.7 | 2403.7 | 2410.9 | 2425.4 |
| 8°    | 2377.6 | 2376.1 | 2381.9 | 2391.3 | 2404.4 |
| 9°    | 2355.1 | 2350.0 | 2354.4 | 2368.1 | 2387.7 |
| 10°   | 2323.2 | 2318.8 | 2318.8 | 2336.2 | 2355.1 |
| 11°   | 2281.8 | 2280.4 | 2281.1 | 2297.8 | 2323.2 |
| 12°   | 2226.0 | 2227.4 | 2227.4 | 2246.3 | 2277.5 |
| 13°   | 2162.9 | 2162.1 | 2168.7 | 2189.7 | 2210.7 |
| 14°   | 2086.0 | 2090.3 | 2096.9 | 2115.7 | 2137.5 |
| 15°   | 1982.3 | 1996.8 | 2014.2 | 2025.8 | 2038.8 |
| 17.5° | 1666.8 | 1681.3 | 1705.2 | 1714.6 | 1717.5 |
| 20°   | 1265.7 | 1286.7 | 1290.3 | 1309.2 | 1307.0 |
| 22.5° | 848.6  | 847.2  | 850.1  | 852.2  | 853.0  |
| 25°   | 435.2  | 448.2  | 460.6  | 468.5  | 433.0  |
| 27.5° | 189.3  | 211.8  | 227.7  | 206.7  | 191.5  |
| 30°   | 90.7   | 103.0  | 122.6  | 103.7  | 91.4   |
| 32.5° | 49.3   | 57.3   | 77.6   | 56.6   | 48.6   |
| 35°   | 27.6   | 31.9   | 47.9   | 31.2   | 26.8   |
| 37.5° | 16.0   | 17.4   | 26.1   | 17.4   | 15.2   |
| 40°   | 8.0    | 10.2   | 13.8   | 10.2   | 7.3    |
| 42.5° | 2.9    | 5.1    | 7.3    | 5.1    | 2.9    |
| 45°   | 0.7    | 1.5    | 4.4    | 1.5    | 0.7    |
| 47.5° | 0.0    | 0.0    | 2.2    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.7    | 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)