

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: P1313609

Luminaire Tested: P3SQAS17R509730DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313609  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R509730DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

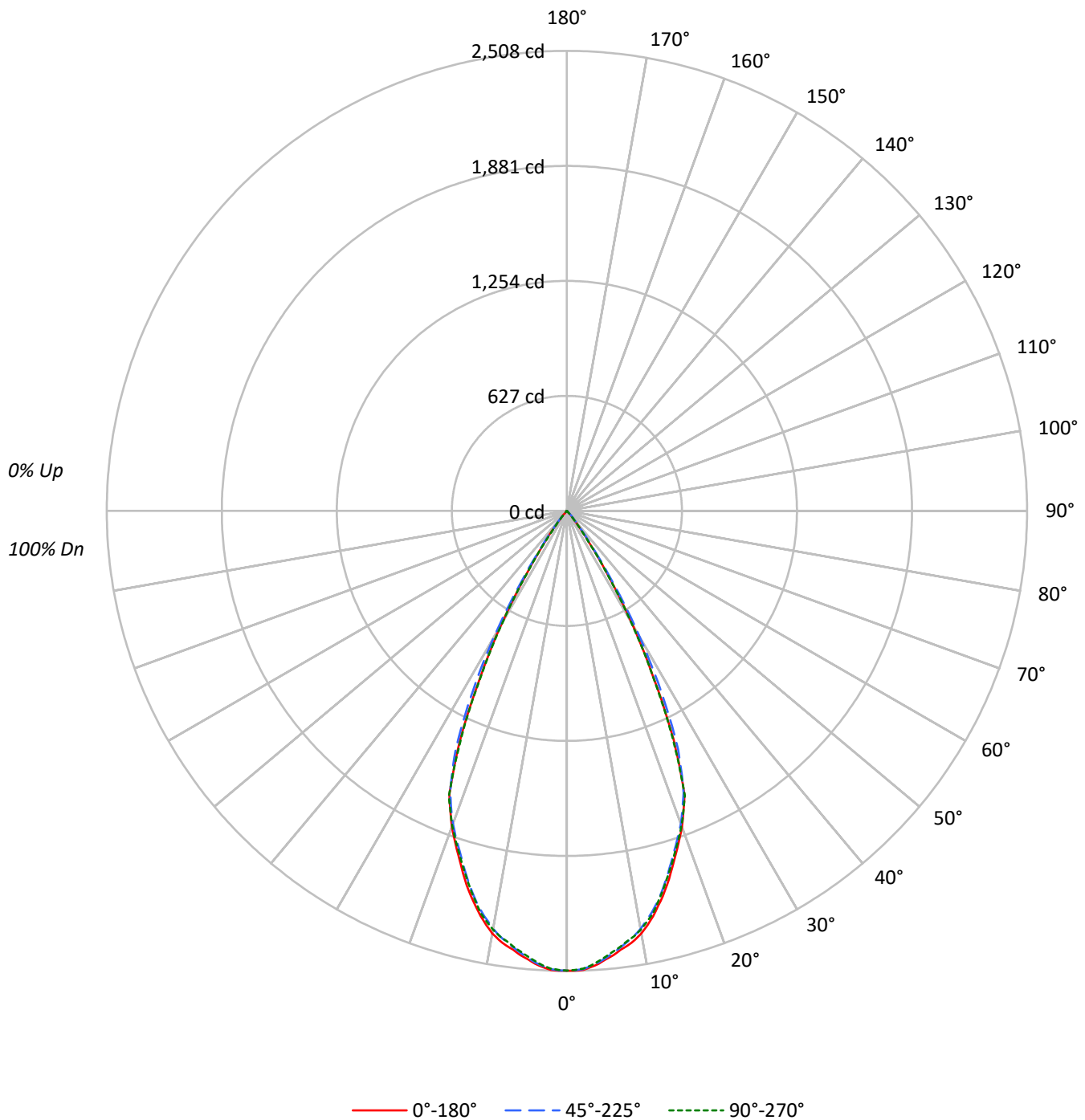
Lumens per Lamp: N/A  
Luminaire Lumens: 1614.0 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 97  | 97  | 97  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 95  | 97  | 95  | 93  | 95  | 93  | 91  | 91  | 91  | 90  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 86  | 86  | 85  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 90  | 87  | 84  | 89  | 85  | 83  | 87  | 84  | 82  | 82  | 82  | 80  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 77  | 77  | 76  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 79  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 73  | 73  | 72  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 70  | 77  | 73  | 70  | 76  | 72  | 70  | 70  | 70  | 69  |
| 8   | 85  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 66  | 66  | 65  |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 64  | 70  | 66  | 63  | 70  | 66  | 63  | 63  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 60  | 60  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 431659 | 431659 | 431659 |
| 5°  | 424128 | 422935 | 421725 |
| 10° | 409043 | 404601 | 405406 |
| 15° | 376280 | 371555 | 372571 |
| 20° | 335999 | 332828 | 334734 |
| 25° | 261515 | 272479 | 258645 |
| 30° | 141652 | 158178 | 139126 |
| 35° | 44656  | 53150  | 43689  |
| 40° | 9870   | 13759  | 9353   |
| 45° | 292    | 4214   | 292    |
| 50° | 0      | 616    | 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: 4214 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 229.6  | 14.2      |
| 10°-20°   | 583.4  | 36.1      |
| 20°-30°   | 614.5  | 38.1      |
| 30°-40°   | 175.5  | 10.9      |
| 40°-50°   | 10.9   | 0.7       |
| 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°    | 1427.6 | 88.4      |
| 0°-40°    | 1603.1 | 99.3      |
| 0°-60°    | 1614.0 | 100.0     |
| 0°-90°    | 1614.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1614.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2506 | 2506  | 2506 | 2506  | 2506 |      |
| 5°  | 2453 | 2451  | 2446 | 2444  | 2439 | 231  |
| 15° | 2110 | 2097  | 2084 | 2087  | 2090 | 588  |
| 25° | 1376 | 1427  | 1434 | 1418  | 1361 | 602  |
| 35° | 212  | 227   | 253  | 215   | 208  | 166  |
| 45° | 1    | 6     | 17   | 6     | 1    | 7    |
| 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°    | 2506.4 | 2506.4 | 2506.4 | 2506.4 | 2506.4 |
| 1°    | 2507.6 | 2508.7 | 2506.4 | 2508.7 | 2502.9 |
| 2°    | 2504.1 | 2501.8 | 2499.5 | 2500.6 | 2497.2 |
| 3°    | 2491.4 | 2490.2 | 2485.6 | 2486.8 | 2482.2 |
| 4°    | 2475.2 | 2471.8 | 2468.3 | 2466.0 | 2461.4 |
| 5°    | 2453.3 | 2451.0 | 2446.4 | 2444.1 | 2439.4 |
| 6°    | 2434.8 | 2430.2 | 2422.1 | 2419.8 | 2415.2 |
| 7°    | 2410.6 | 2408.3 | 2397.9 | 2395.6 | 2393.3 |
| 8°    | 2392.1 | 2385.2 | 2372.5 | 2373.6 | 2367.9 |
| 9°    | 2367.9 | 2358.6 | 2345.9 | 2345.9 | 2347.1 |
| 10°   | 2339.0 | 2325.1 | 2313.6 | 2317.1 | 2318.2 |
| 11°   | 2300.9 | 2291.7 | 2274.3 | 2282.4 | 2282.4 |
| 12°   | 2259.3 | 2247.8 | 2235.1 | 2242.0 | 2246.6 |
| 13°   | 2210.9 | 2201.6 | 2190.1 | 2197.0 | 2194.7 |
| 14°   | 2163.5 | 2146.2 | 2138.1 | 2147.4 | 2143.9 |
| 15°   | 2110.4 | 2096.6 | 2083.9 | 2087.3 | 2089.6 |
| 17.5° | 1968.4 | 1953.4 | 1944.2 | 1945.3 | 1955.7 |
| 20°   | 1833.3 | 1827.6 | 1816.0 | 1820.6 | 1826.4 |
| 22.5° | 1674.0 | 1676.3 | 1662.5 | 1665.9 | 1679.8 |
| 25°   | 1376.2 | 1427.0 | 1433.9 | 1417.7 | 1361.1 |
| 27.5° | 1019.4 | 1095.6 | 1118.7 | 1081.8 | 1012.5 |
| 30°   | 712.3  | 733.1  | 795.4  | 725.0  | 699.6  |
| 32.5° | 417.9  | 449.1  | 482.6  | 434.1  | 416.8  |
| 35°   | 212.4  | 227.4  | 252.8  | 214.7  | 207.8  |
| 37.5° | 98.1   | 105.1  | 115.4  | 98.1   | 92.4   |
| 40°   | 43.9   | 52.0   | 61.2   | 49.6   | 41.6   |
| 42.5° | 13.9   | 24.2   | 32.3   | 21.9   | 12.7   |
| 45°   | 1.2    | 5.8    | 17.3   | 5.8    | 1.2    |
| 47.5° | 0.0    | 1.2    | 6.9    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.3    | 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)