

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: P1305786

Luminaire Tested: P3SQAS09R409024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R409024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

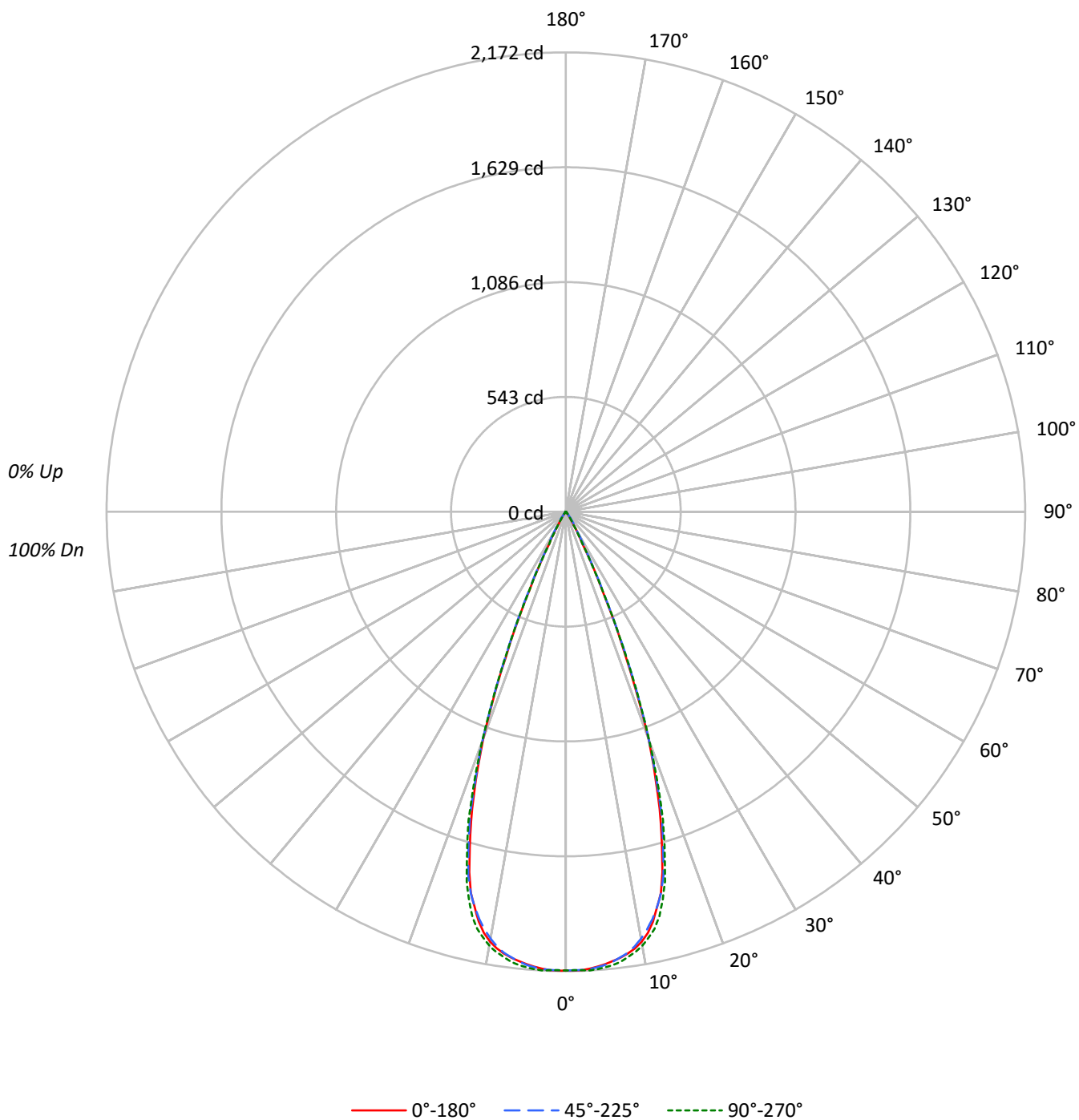
Lumens per Lamp: N/A  
Luminaire Lumens: 917.9 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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   | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 96  |
| 3   | 107 | 102 | 98  | 95  | 105 | 100 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 93  |
| 4   | 103 | 97  | 93  | 90  | 101 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 91  |
| 5   | 99  | 93  | 89  | 85  | 98  | 92  | 88  | 85  | 91  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 89  | 85  | 82  | 95  | 89  | 84  | 81  | 87  | 84  | 81  |  | 86  | 83  | 80  |  | 85  |
| 7   | 93  | 86  | 81  | 78  | 92  | 85  | 81  | 78  | 84  | 80  | 78  |  | 83  | 80  | 77  |  | 82  |
| 8   | 90  | 83  | 78  | 75  | 89  | 82  | 78  | 75  | 81  | 77  | 75  |  | 80  | 77  | 74  |  | 80  |
| 9   | 87  | 80  | 75  | 72  | 86  | 79  | 75  | 72  | 79  | 75  | 72  |  | 78  | 74  | 72  |  | 77  |
| 10  | 84  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 75  | 72  | 69  |  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 373551 | 373551 | 373551 |
| 5°  | 371088 | 371641 | 373647 |
| 10° | 361039 | 358328 | 364309 |
| 15° | 314571 | 317798 | 322737 |
| 20° | 209539 | 210602 | 212618 |
| 25° | 76182  | 78519  | 76543  |
| 30° | 16168  | 21696  | 16168  |
| 35° | 5698   | 9629   | 5424   |
| 40° | 2023   | 3058   | 2023   |
| 45° | 463    | 1267   | 463    |
| 50° | 348    | 509    | 348    |
| 55° | 390    | 390    | 390    |
| 60° | 448    | 448    | 448    |
| 65° | 245    | 530    | 245    |
| 70° | 302    | 302    | 302    |
| 75° | 399    | 399    | 399    |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1267 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 202.7  | 22.1      |
| 10°-20°   | 472.3  | 51.5      |
| 20°-30°   | 212.6  | 23.2      |
| 30°-40°   | 24.2   | 2.6       |
| 40°-50°   | 3.5    | 0.4       |
| 50°-60°   | 1.2    | 0.1       |
| 60°-70°   | 1.0    | 0.1       |
| 70°-80°   | 0.6    | 0.1       |
| 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°    | 887.6  | 96.7      |
| 0°-40°    | 911.8  | 99.3      |
| 0°-60°    | 916.4  | 99.8      |
| 0°-90°    | 917.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 917.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2169 | 2169  | 2169 | 2169  | 2169 |      |
| 5°  | 2146 | 2144  | 2150 | 2159  | 2161 | 202  |
| 15° | 1764 | 1769  | 1782 | 1797  | 1810 | 469  |
| 25° | 401  | 404   | 413  | 413   | 403  | 208  |
| 35° | 27   | 30    | 46   | 29    | 26   | 20   |
| 45° | 2    | 3     | 5    | 3     | 2    | 3    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 65° | 1    | 1     | 1    | 1     | 1    | 1    |
| 75° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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°    | 2169.0 | 2169.0 | 2169.0 | 2169.0 | 2169.0 |
| 1°    | 2170.3 | 2168.4 | 2167.8 | 2171.6 | 2168.4 |
| 2°    | 2168.4 | 2167.1 | 2167.8 | 2171.6 | 2169.0 |
| 3°    | 2162.6 | 2163.2 | 2165.2 | 2172.3 | 2171.6 |
| 4°    | 2155.5 | 2154.8 | 2158.7 | 2167.8 | 2167.8 |
| 5°    | 2146.5 | 2143.9 | 2149.7 | 2159.4 | 2161.3 |
| 6°    | 2136.1 | 2132.9 | 2137.4 | 2149.7 | 2154.2 |
| 7°    | 2124.5 | 2118.0 | 2121.9 | 2136.8 | 2142.6 |
| 8°    | 2109.0 | 2100.6 | 2105.1 | 2120.0 | 2124.5 |
| 9°    | 2089.6 | 2076.7 | 2080.6 | 2098.7 | 2107.7 |
| 10°   | 2064.5 | 2048.3 | 2049.0 | 2069.0 | 2083.2 |
| 11°   | 2029.0 | 2010.9 | 2011.5 | 2036.7 | 2051.6 |
| 12°   | 1981.8 | 1965.7 | 1968.9 | 1992.2 | 2016.0 |
| 13°   | 1917.9 | 1913.4 | 1917.3 | 1942.5 | 1964.4 |
| 14°   | 1856.0 | 1851.4 | 1858.5 | 1881.8 | 1892.1 |
| 15°   | 1764.3 | 1768.8 | 1782.4 | 1796.6 | 1810.1 |
| 17.5° | 1473.8 | 1491.2 | 1507.4 | 1517.0 | 1528.7 |
| 20°   | 1143.3 | 1123.3 | 1149.1 | 1137.5 | 1160.1 |
| 22.5° | 737.9  | 752.7  | 759.2  | 752.7  | 755.3  |
| 25°   | 400.9  | 403.5  | 413.2  | 413.2  | 402.8  |
| 27.5° | 170.4  | 184.0  | 196.2  | 191.7  | 170.4  |
| 30°   | 81.3   | 93.6   | 109.1  | 94.3   | 81.3   |
| 32.5° | 45.8   | 54.2   | 70.4   | 52.9   | 44.5   |
| 35°   | 27.1   | 30.3   | 45.8   | 29.0   | 25.8   |
| 37.5° | 16.1   | 16.8   | 25.2   | 17.4   | 15.5   |
| 40°   | 9.0    | 11.0   | 13.6   | 11.0   | 9.0    |
| 42.5° | 4.5    | 6.5    | 8.4    | 6.5    | 4.5    |
| 45°   | 1.9    | 3.2    | 5.2    | 3.2    | 1.9    |
| 47.5° | 1.9    | 1.9    | 3.2    | 1.9    | 1.9    |
| 50°   | 1.3    | 1.3    | 1.9    | 1.3    | 1.3    |
| 52.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 55°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 57.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 60°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 62.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 65°   | 0.6    | 1.3    | 1.3    | 1.3    | 0.6    |
| 67.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 70°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 72.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 75°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 77.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 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)