

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: P1313278

Luminaire Tested: P3SQAS09R409730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313278  
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: P3SQAS09R409730DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

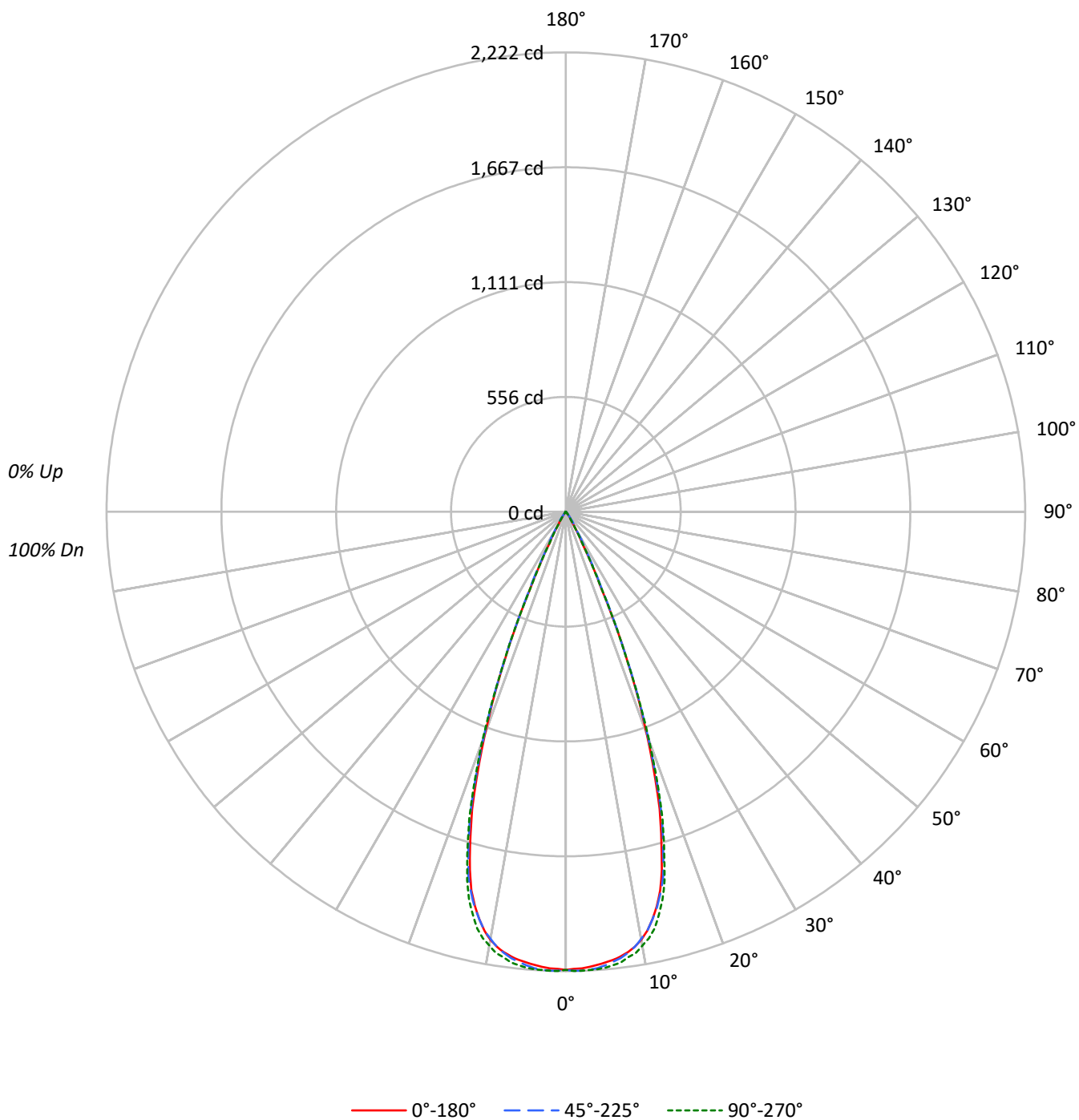
Lumens per Lamp: N/A  
Luminaire Lumens: 932.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1313278

CATALOG NUMBER: P3SQAS09R409730DE010 E3SQCD1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1313278

CATALOG NUMBER: P3SQAS09R409730DE010 E3SQCD1MMS

**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 | 113 | 111 | 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  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 76  | 72  | 70  |  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 381697 | 381697 | 381697 |
| 5°  | 378401 | 380769 | 382585 |
| 10° | 367614 | 366932 | 372668 |
| 15° | 319813 | 324948 | 328942 |
| 20° | 209887 | 213992 | 216760 |
| 25° | 74832  | 79184  | 74452  |
| 30° | 16307  | 22054  | 16446  |
| 35° | 5235   | 9104   | 5109   |
| 40° | 1619   | 2810   | 1484   |
| 45° | 170    | 950    | 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: 950 cd/sqm

TEST NUMBER: P1313278

CATALOG NUMBER: P3SQAS09R409730DE010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 207.3  | 22.2      |
| 10°-20°   | 482.7  | 51.8      |
| 20°-30°   | 216.5  | 23.2      |
| 30°-40°   | 23.4   | 2.5       |
| 40°-50°   | 2.2    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 906.4  | 97.3      |
| 0°-40°    | 929.8  | 99.8      |
| 0°-60°    | 932.0  | 100.0     |
| 0°-90°    | 932.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 932.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2216 | 2216  | 2216 | 2216  | 2216 |      |
| 5°  | 2189 | 2195  | 2202 | 2206  | 2213 | 206  |
| 15° | 1794 | 1807  | 1822 | 1833  | 1845 | 477  |
| 25° | 394  | 406   | 417  | 424   | 392  | 210  |
| 35° | 25   | 29    | 43   | 28    | 24   | 19   |
| 45° | 1    | 1     | 4    | 1     | 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    |      |

TEST NUMBER: P1313278

CATALOG NUMBER: P3SQAS09R409730DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2216.3 | 2216.3 | 2216.3 | 2216.3 | 2216.3 |
| 1°    | 2211.7 | 2216.3 | 2220.3 | 2217.0 | 2221.6 |
| 2°    | 2209.8 | 2215.0 | 2220.9 | 2217.6 | 2221.6 |
| 3°    | 2204.5 | 2211.1 | 2217.6 | 2215.7 | 2219.6 |
| 4°    | 2197.3 | 2202.5 | 2212.4 | 2212.4 | 2218.3 |
| 5°    | 2188.8 | 2194.7 | 2202.5 | 2205.8 | 2213.0 |
| 6°    | 2179.6 | 2182.9 | 2188.8 | 2195.3 | 2205.2 |
| 7°    | 2167.8 | 2167.8 | 2175.0 | 2181.5 | 2194.7 |
| 8°    | 2151.3 | 2150.0 | 2155.3 | 2163.8 | 2175.6 |
| 9°    | 2131.0 | 2126.4 | 2130.3 | 2142.8 | 2160.5 |
| 10°   | 2102.1 | 2098.2 | 2098.2 | 2113.9 | 2131.0 |
| 11°   | 2064.7 | 2063.4 | 2064.1 | 2079.2 | 2102.1 |
| 12°   | 2014.2 | 2015.5 | 2015.5 | 2032.6 | 2060.8 |
| 13°   | 1957.1 | 1956.4 | 1962.3 | 1981.4 | 2000.4 |
| 14°   | 1887.5 | 1891.5 | 1897.4 | 1914.4 | 1934.1 |
| 15°   | 1793.7 | 1806.8 | 1822.5 | 1833.0 | 1844.9 |
| 17.5° | 1508.2 | 1521.3 | 1543.0 | 1551.5 | 1554.1 |
| 20°   | 1145.2 | 1164.3 | 1167.6 | 1184.6 | 1182.7 |
| 22.5° | 767.9  | 766.6  | 769.2  | 771.2  | 771.8  |
| 25°   | 393.8  | 405.6  | 416.7  | 424.0  | 391.8  |
| 27.5° | 171.3  | 191.6  | 206.1  | 187.0  | 173.3  |
| 30°   | 82.0   | 93.2   | 110.9  | 93.9   | 82.7   |
| 32.5° | 44.6   | 51.8   | 70.2   | 51.2   | 44.0   |
| 35°   | 24.9   | 28.9   | 43.3   | 28.2   | 24.3   |
| 37.5° | 14.4   | 15.8   | 23.6   | 15.8   | 13.8   |
| 40°   | 7.2    | 9.2    | 12.5   | 9.2    | 6.6    |
| 42.5° | 2.6    | 4.6    | 6.6    | 4.6    | 2.6    |
| 45°   | 0.7    | 1.3    | 3.9    | 1.3    | 0.7    |
| 47.5° | 0.0    | 0.0    | 2.0    | 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    |



TEST NUMBER: P1313278

CATALOG NUMBER: P3SQAS09R409730DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)