

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: P1309659

Luminaire Tested: P3SQAS24R709035D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309659  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R709035D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

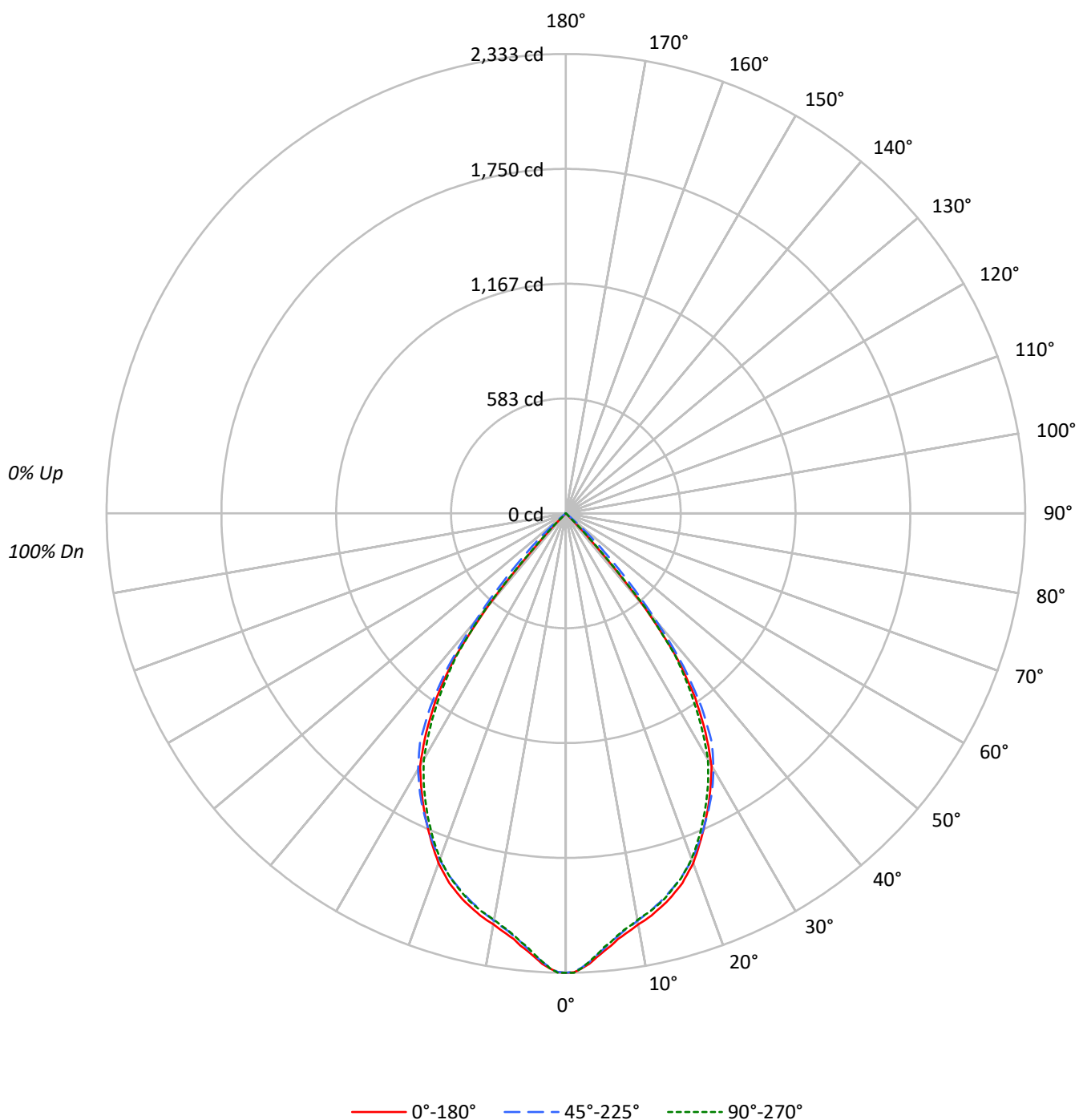
Lumens per Lamp: N/A  
Luminaire Lumens: 2414.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1309659

CATALOG NUMBER: P3SQAS24R709035D010 E3SQCD1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1309659

CATALOG NUMBER: P3SQAS24R709035D010 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   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  |  | 73  | 69  | 65  |  | 72  |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 401847 | 401847 | 401847 |
| 5°  | 385748 | 383622 | 382567 |
| 10° | 370570 | 367352 | 366635 |
| 15° | 361802 | 356703 | 357434 |
| 20° | 346464 | 343092 | 342340 |
| 25° | 321582 | 322361 | 317326 |
| 30° | 294321 | 298378 | 287023 |
| 35° | 240773 | 252378 | 231333 |
| 40° | 138602 | 161556 | 142267 |
| 45° | 1997   | 67125  | 6966   |
| 50° | 0      | 7100   | 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: 67125 cd/sqm

TEST NUMBER: P1309659

CATALOG NUMBER: P3SQAS24R709035D010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 208.2  | 8.6       |
| 10°-20°   | 564.1  | 23.4      |
| 20°-30°   | 774.9  | 32.1      |
| 30°-40°   | 702.7  | 29.1      |
| 40°-50°   | 163.3  | 6.8       |
| 50°-60°   | 0.8    | 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°    | 1547.2 | 64.1      |
| 0°-40°    | 2249.9 | 93.2      |
| 0°-60°    | 2414.0 | 100.0     |
| 0°-90°    | 2414.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2414.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2333 | 2333  | 2333 | 2333  | 2333 |      |
| 5°  | 2231 | 2225  | 2219 | 2215  | 2213 | 209  |
| 15° | 2029 | 2015  | 2001 | 2001  | 2005 | 569  |
| 25° | 1692 | 1700  | 1696 | 1680  | 1670 | 776  |
| 35° | 1145 | 1162  | 1200 | 1149  | 1100 | 688  |
| 45° | 8    | 92    | 276  | 118   | 29   | 99   |
| 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: P1309659

CATALOG NUMBER: P3SQAS24R709035D010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2333.3 | 2333.3 | 2333.3 | 2333.3 | 2333.3 |
| 1°    | 2331.3 | 2327.2 | 2329.3 | 2331.3 | 2333.3 |
| 2°    | 2312.9 | 2308.8 | 2308.8 | 2310.9 | 2310.9 |
| 3°    | 2290.5 | 2282.3 | 2282.3 | 2280.3 | 2280.3 |
| 4°    | 2259.8 | 2253.7 | 2249.6 | 2247.6 | 2247.6 |
| 5°    | 2231.3 | 2225.1 | 2219.0 | 2214.9 | 2212.9 |
| 6°    | 2206.8 | 2196.6 | 2188.4 | 2186.4 | 2188.4 |
| 7°    | 2178.2 | 2172.1 | 2163.9 | 2157.8 | 2159.8 |
| 8°    | 2157.8 | 2149.6 | 2139.4 | 2135.3 | 2135.3 |
| 9°    | 2139.4 | 2131.2 | 2121.0 | 2112.9 | 2116.9 |
| 10°   | 2119.0 | 2110.8 | 2100.6 | 2094.5 | 2096.5 |
| 11°   | 2104.7 | 2094.5 | 2082.2 | 2078.2 | 2080.2 |
| 12°   | 2088.4 | 2076.1 | 2063.9 | 2061.8 | 2065.9 |
| 13°   | 2068.0 | 2055.7 | 2043.5 | 2043.5 | 2047.5 |
| 14°   | 2049.6 | 2035.3 | 2023.0 | 2023.0 | 2029.2 |
| 15°   | 2029.2 | 2014.9 | 2000.6 | 2000.6 | 2004.7 |
| 17.5° | 1967.9 | 1955.7 | 1941.4 | 1941.4 | 1943.4 |
| 20°   | 1890.4 | 1884.2 | 1872.0 | 1865.9 | 1867.9 |
| 22.5° | 1792.4 | 1792.4 | 1786.2 | 1776.0 | 1771.9 |
| 25°   | 1692.3 | 1700.5 | 1696.4 | 1680.1 | 1669.9 |
| 27.5° | 1588.2 | 1602.5 | 1604.6 | 1580.1 | 1561.7 |
| 30°   | 1480.0 | 1492.3 | 1500.4 | 1471.9 | 1443.3 |
| 32.5° | 1320.8 | 1357.5 | 1378.0 | 1339.2 | 1280.0 |
| 35°   | 1145.2 | 1161.6 | 1200.4 | 1149.3 | 1100.3 |
| 37.5° | 930.9  | 951.3  | 984.0  | 943.1  | 914.6  |
| 40°   | 616.5  | 698.2  | 718.6  | 698.2  | 632.8  |
| 42.5° | 222.5  | 392.0  | 471.6  | 400.1  | 261.3  |
| 45°   | 8.2    | 91.9   | 275.6  | 118.4  | 28.6   |
| 47.5° | 0.0    | 2.0    | 124.5  | 4.1    | 0.0    |
| 50°   | 0.0    | 0.0    | 26.5   | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 2.0    | 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: P1309659  
CATALOG NUMBER: P3SQAS24R709035D010 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)