

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: P1316261

Luminaire Tested: P3SQAS13R359827DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359827DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

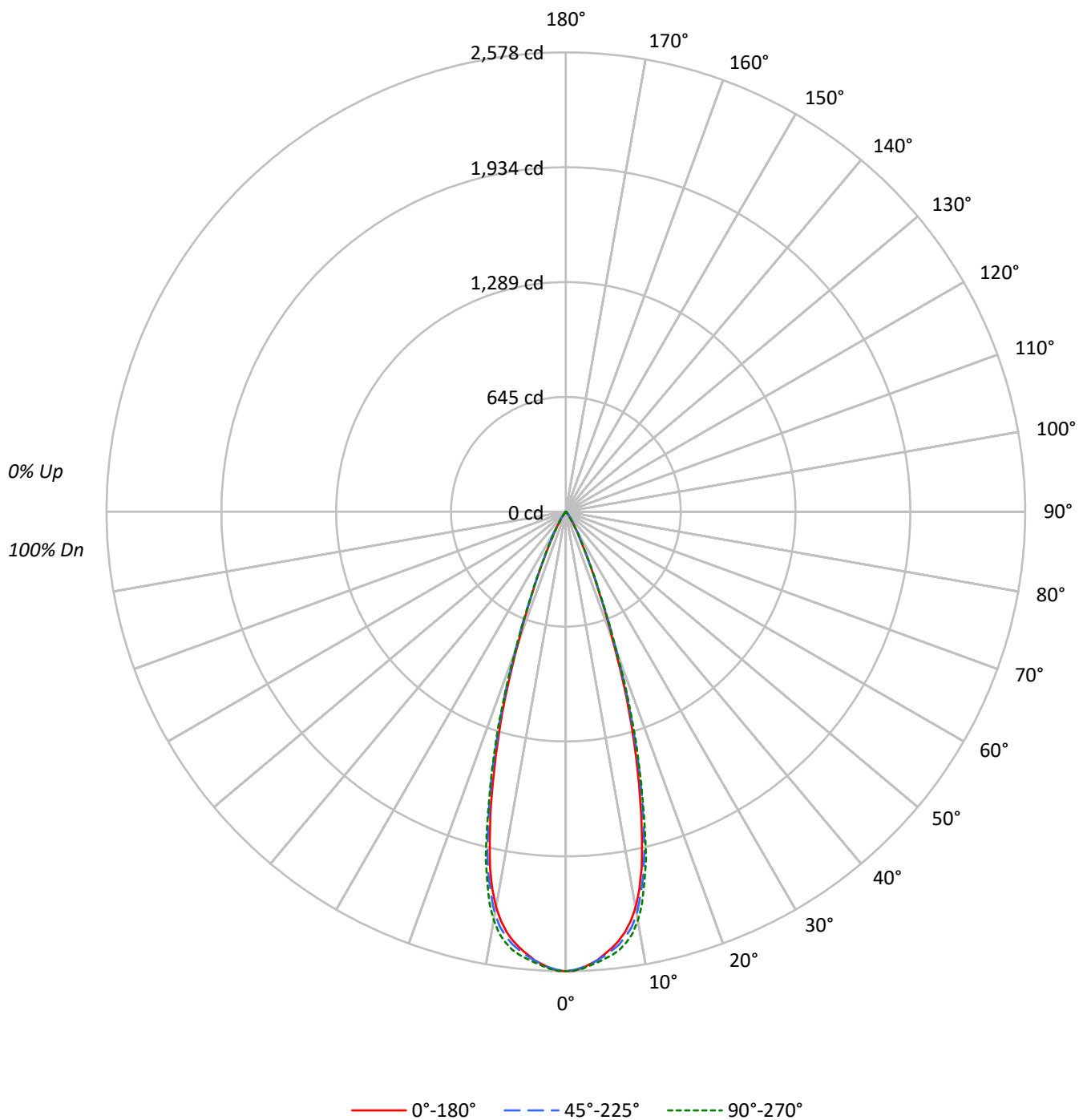
Lumens per Lamp: N/A  
Luminaire Lumens: 866.0 lumens  
Efficiency: N/A  
Efficacy: 59.7 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1316261

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCD1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1316261

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCD1MW

**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 | 103 | 100 | 102 | 100 | 98  |  | 99  | 98  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  |  | 96  | 94  | 92  |  | 94  |
| 4   | 103 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 5   | 100 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  |
| 6   | 97  | 90  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 82  | 79  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 83  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 79  | 77  | 83  | 79  | 76  |  | 82  | 78  | 76  |  | 81  |
| 9   | 88  | 81  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 74  |  | 79  | 76  | 74  |  | 79  |
| 10  | 86  | 79  | 75  | 72  | 85  | 78  | 74  | 72  | 78  | 74  | 71  |  | 77  | 74  | 71  |  | 76  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 444007 | 444007 | 444007 |
| 5°  | 430870 | 432391 | 435296 |
| 10° | 394126 | 400981 | 407137 |
| 15° | 282905 | 293265 | 296278 |
| 20° | 142313 | 150597 | 150982 |
| 25° | 53930  | 55602  | 55868  |
| 30° | 21915  | 25137  | 21497  |
| 35° | 7947   | 12068  | 7674   |
| 40° | 3350   | 5171   | 3192   |
| 45° | 828    | 2143   | 828    |
| 50° | 536    | 911    | 536    |
| 55° | 601    | 601    | 601    |
| 60° | 689    | 689    | 689    |
| 65° | 571    | 571    | 571    |
| 70° | 352    | 352    | 352    |
| 75° | 466    | 466    | 466    |
| 80° | 694    | 694    | 694    |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2143 cd/sqm

TEST NUMBER: P1316261

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 233.1  | 26.9      |
| 10°-20°   | 434.2  | 50.1      |
| 20°-30°   | 156.2  | 18.0      |
| 30°-40°   | 32.8   | 3.8       |
| 40°-50°   | 5.6    | 0.7       |
| 50°-60°   | 1.8    | 0.2       |
| 60°-70°   | 1.4    | 0.2       |
| 70°-80°   | 0.7    | 0.1       |
| 80°-90°   | 0.1    | 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°    | 823.5  | 95.1      |
| 0°-40°    | 856.3  | 98.9      |
| 0°-60°    | 863.8  | 99.7      |
| 0°-90°    | 866.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 866.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2578 | 2578  | 2578 | 2578  | 2578 |      |
| 5°  | 2492 | 2497  | 2501 | 2518  | 2518 | 231  |
| 15° | 1587 | 1614  | 1645 | 1662  | 1662 | 422  |
| 25° | 284  | 288   | 293  | 295   | 294  | 151  |
| 35° | 38   | 45    | 57   | 44    | 36   | 29   |
| 45° | 3    | 5     | 9    | 5     | 3    | 4    |
| 55° | 2    | 2     | 2    | 2     | 2    | 2    |
| 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    |      |

TEST NUMBER: P1316261

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2578.1 | 2578.1 | 2578.1 | 2578.1 | 2578.1 |
| 1°    | 2576.7 | 2576.7 | 2571.3 | 2577.4 | 2575.4 |
| 2°    | 2562.6 | 2563.9 | 2560.5 | 2568.0 | 2567.3 |
| 3°    | 2543.0 | 2546.3 | 2543.6 | 2554.4 | 2551.1 |
| 4°    | 2522.0 | 2524.7 | 2523.4 | 2536.9 | 2535.5 |
| 5°    | 2492.3 | 2497.0 | 2501.1 | 2517.9 | 2517.9 |
| 6°    | 2461.9 | 2466.6 | 2475.4 | 2493.6 | 2499.7 |
| 7°    | 2426.7 | 2432.8 | 2447.0 | 2471.3 | 2475.4 |
| 8°    | 2382.1 | 2388.9 | 2408.5 | 2434.8 | 2440.2 |
| 9°    | 2326.7 | 2336.8 | 2359.1 | 2390.9 | 2394.3 |
| 10°   | 2253.7 | 2261.8 | 2292.9 | 2319.3 | 2328.1 |
| 11°   | 2159.1 | 2165.9 | 2193.6 | 2236.1 | 2241.6 |
| 12°   | 2044.2 | 2052.3 | 2088.2 | 2115.9 | 2121.3 |
| 13°   | 1898.9 | 1914.5 | 1957.7 | 1984.8 | 1999.6 |
| 14°   | 1749.6 | 1770.5 | 1801.6 | 1840.1 | 1830.7 |
| 15°   | 1586.7 | 1614.4 | 1644.8 | 1662.4 | 1661.7 |
| 17.5° | 1187.3 | 1203.6 | 1230.6 | 1240.7 | 1254.2 |
| 20°   | 776.5  | 797.4  | 821.7  | 831.2  | 823.8  |
| 22.5° | 481.8  | 487.2  | 494.7  | 498.7  | 497.4  |
| 25°   | 283.8  | 287.9  | 292.6  | 295.3  | 294.0  |
| 27.5° | 171.0  | 180.4  | 187.2  | 179.1  | 174.4  |
| 30°   | 110.2  | 114.2  | 126.4  | 115.6  | 108.1  |
| 32.5° | 65.6   | 75.0   | 85.1   | 72.3   | 62.8   |
| 35°   | 37.8   | 44.6   | 57.4   | 43.9   | 36.5   |
| 37.5° | 24.3   | 27.7   | 37.2   | 27.0   | 23.7   |
| 40°   | 14.9   | 18.9   | 23.0   | 17.6   | 14.2   |
| 42.5° | 7.4    | 11.5   | 13.5   | 10.1   | 7.4    |
| 45°   | 3.4    | 5.4    | 8.8    | 5.4    | 3.4    |
| 47.5° | 2.0    | 2.7    | 5.4    | 2.7    | 2.0    |
| 50°   | 2.0    | 2.0    | 3.4    | 2.0    | 2.0    |
| 52.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 55°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 57.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 60°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 62.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 65°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 67.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 70°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 72.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 75°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 77.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 80°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 82.5° | 0.7    | 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: P1316261

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)