

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: P1317139

Luminaire Tested: P3SQAS13R359830DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359830DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

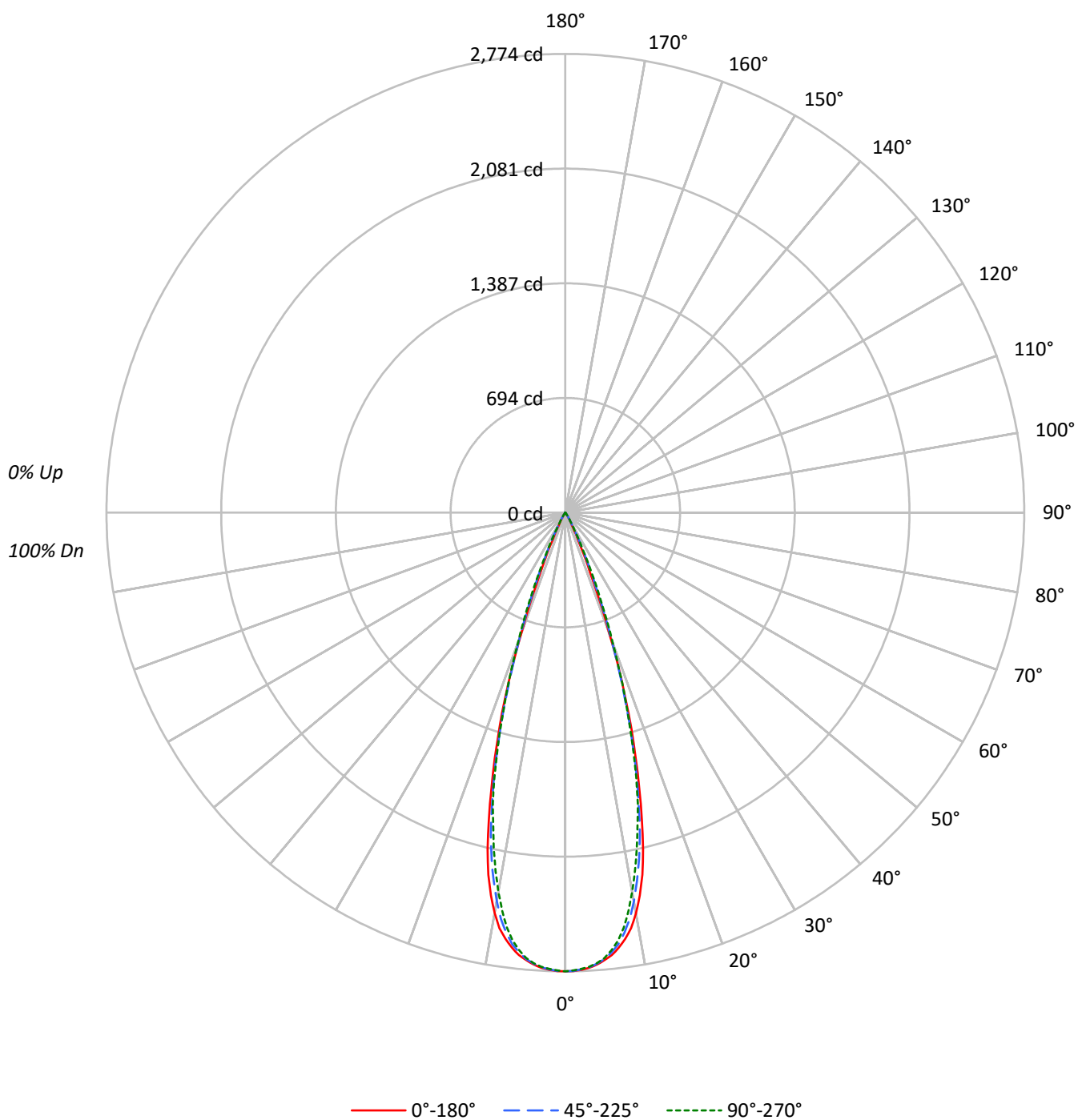
Lumens per Lamp: N/A  
Luminaire Lumens: 842.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 477763 | 477763 | 477763 |
| 5°  | 469561 | 468558 | 467555 |
| 10° | 430343 | 417402 | 407259 |
| 15° | 308152 | 298328 | 294709 |
| 20° | 142882 | 147812 | 152998 |
| 25° | 33901  | 48229  | 50300  |
| 30° | 9943   | 11395  | 12827  |
| 35° | 2292   | 3658   | 3364   |
| 40° | 495    | 989    | 652    |
| 45° | 170    | 170    | 170    |
| 50° | 188    | 0      | 188    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 249.1  | 29.6      |
| 10°-20°   | 445.2  | 52.9      |
| 20°-30°   | 134.0  | 15.9      |
| 30°-40°   | 12.8   | 1.5       |
| 40°-50°   | 0.9    | 0.1       |
| 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°    | 828.2  | 98.4      |
| 0°-40°    | 841.1  | 99.9      |
| 0°-60°    | 842.0  | 100.0     |
| 0°-90°    | 842.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 842.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2774 | 2774  | 2774 | 2774  | 2774 |      |
| 5°  | 2716 | 2715  | 2710 | 2707  | 2704 | 252  |
| 15° | 1728 | 1715  | 1673 | 1666  | 1653 | 456  |
| 25° | 178  | 196   | 254  | 265   | 265  | 115  |
| 35° | 11   | 14    | 17   | 19    | 16   | 10   |
| 45° | 1    | 1     | 1    | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2774.1 | 2774.1 | 2774.1 | 2774.1 | 2774.1 |
| 1°    | 2772.6 | 2772.6 | 2771.2 | 2771.2 | 2768.3 |
| 2°    | 2766.1 | 2766.8 | 2763.9 | 2763.2 | 2761.0 |
| 3°    | 2756.0 | 2753.8 | 2753.8 | 2752.3 | 2750.9 |
| 4°    | 2740.0 | 2735.7 | 2734.2 | 2734.9 | 2732.0 |
| 5°    | 2716.1 | 2715.4 | 2710.3 | 2706.6 | 2704.5 |
| 6°    | 2690.0 | 2684.9 | 2674.0 | 2664.6 | 2662.4 |
| 7°    | 2650.8 | 2639.9 | 2630.5 | 2610.9 | 2608.0 |
| 8°    | 2602.9 | 2585.5 | 2565.2 | 2537.7 | 2536.2 |
| 9°    | 2544.2 | 2515.9 | 2487.6 | 2450.6 | 2437.6 |
| 10°   | 2460.8 | 2434.7 | 2386.8 | 2354.2 | 2328.8 |
| 11°   | 2357.1 | 2324.4 | 2268.6 | 2229.4 | 2208.4 |
| 12°   | 2239.6 | 2209.1 | 2143.9 | 2108.3 | 2078.6 |
| 13°   | 2088.7 | 2063.3 | 2002.4 | 1963.3 | 1940.1 |
| 14°   | 1913.9 | 1895.1 | 1837.1 | 1819.7 | 1811.7 |
| 15°   | 1728.3 | 1715.2 | 1673.2 | 1665.9 | 1652.9 |
| 17.5° | 1272.1 | 1250.3 | 1226.4 | 1230.8 | 1235.1 |
| 20°   | 779.6  | 810.1  | 806.5  | 822.4  | 834.8  |
| 22.5° | 388.7  | 427.9  | 473.6  | 501.2  | 514.9  |
| 25°   | 178.4  | 196.5  | 253.8  | 264.7  | 264.7  |
| 27.5° | 89.9   | 94.3   | 119.7  | 121.8  | 127.6  |
| 30°   | 50.0   | 53.7   | 57.3   | 63.8   | 64.5   |
| 32.5° | 25.4   | 29.7   | 31.2   | 34.8   | 33.4   |
| 35°   | 10.9   | 14.5   | 17.4   | 18.9   | 16.0   |
| 37.5° | 5.1    | 6.5    | 9.4    | 8.7    | 6.5    |
| 40°   | 2.2    | 2.9    | 4.4    | 3.6    | 2.9    |
| 42.5° | 1.5    | 1.5    | 2.2    | 1.5    | 1.5    |
| 45°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 47.5° | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 50°   | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 52.5° | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 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)