

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: P1318012

Luminaire Tested: P3SQAS13R359835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359835DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

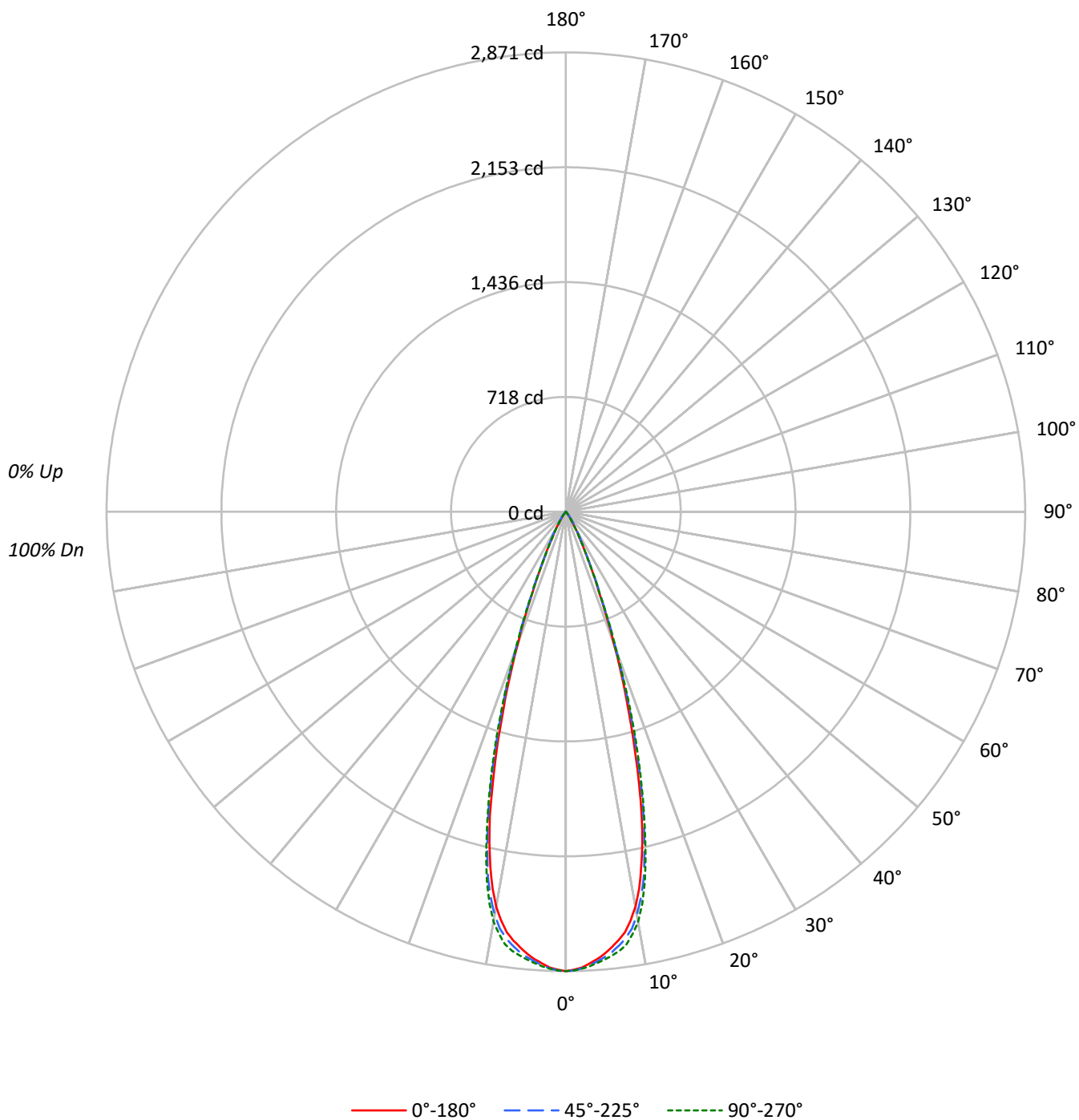
Lumens per Lamp: N/A  
Luminaire Lumens: 956.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 494503 | 494503 | 494503 |
| 5°  | 479501 | 482907 | 485518 |
| 10° | 438178 | 447447 | 455124 |
| 15° | 315106 | 328871 | 331581 |
| 20° | 160421 | 168467 | 168888 |
| 25° | 60866  | 62158  | 60428  |
| 30° | 23645  | 27404  | 23049  |
| 35° | 8115   | 12741  | 7632   |
| 40° | 2720   | 4946   | 2563   |
| 45° | 195    | 1656   | 195    |
| 50° | 0      | 214    | 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: 1656 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 259.9  | 27.2      |
| 10°-20°   | 484.2  | 50.7      |
| 20°-30°   | 174.1  | 18.2      |
| 30°-40°   | 34.0   | 3.6       |
| 40°-50°   | 3.8    | 0.4       |
| 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°    | 918.2  | 96.0      |
| 0°-40°    | 952.2  | 99.6      |
| 0°-60°    | 956.0  | 100.0     |
| 0°-90°    | 956.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 956.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2871 | 2871  | 2871 | 2871  | 2871 |      |
| 5°  | 2774 | 2781  | 2793 | 2806  | 2808 | 257  |
| 15° | 1767 | 1797  | 1844 | 1857  | 1860 | 470  |
| 25° | 320  | 323   | 327  | 325   | 318  | 168  |
| 35° | 39   | 44    | 61   | 45    | 36   | 29   |
| 45° | 1    | 2     | 7    | 2     | 1    | 2    |
| 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°    | 2871.3 | 2871.3 | 2871.3 | 2871.3 | 2871.3 |
| 1°    | 2863.0 | 2866.7 | 2867.5 | 2872.8 | 2866.7 |
| 2°    | 2850.8 | 2853.1 | 2856.1 | 2860.7 | 2857.6 |
| 3°    | 2827.4 | 2831.9 | 2838.7 | 2844.8 | 2844.8 |
| 4°    | 2802.4 | 2808.4 | 2816.8 | 2827.4 | 2826.6 |
| 5°    | 2773.6 | 2781.2 | 2793.3 | 2806.2 | 2808.4 |
| 6°    | 2737.3 | 2746.3 | 2766.0 | 2784.2 | 2787.2 |
| 7°    | 2698.6 | 2712.3 | 2731.2 | 2757.7 | 2764.5 |
| 8°    | 2653.2 | 2663.8 | 2691.1 | 2722.1 | 2729.7 |
| 9°    | 2586.6 | 2602.5 | 2637.3 | 2666.1 | 2670.6 |
| 10°   | 2505.6 | 2516.9 | 2558.6 | 2588.8 | 2602.5 |
| 11°   | 2401.1 | 2417.7 | 2458.6 | 2489.7 | 2498.7 |
| 12°   | 2267.8 | 2292.0 | 2339.7 | 2362.4 | 2370.0 |
| 13°   | 2123.9 | 2144.4 | 2181.5 | 2209.5 | 2215.5 |
| 14°   | 1961.9 | 1981.6 | 2020.2 | 2042.9 | 2037.6 |
| 15°   | 1767.3 | 1796.8 | 1844.5 | 1857.4 | 1859.7 |
| 17.5° | 1305.4 | 1324.3 | 1366.7 | 1387.2 | 1401.6 |
| 20°   | 875.3  | 893.5  | 919.2  | 932.9  | 921.5  |
| 22.5° | 532.3  | 547.5  | 561.1  | 560.3  | 556.5  |
| 25°   | 320.3  | 323.3  | 327.1  | 324.8  | 318.0  |
| 27.5° | 187.0  | 195.4  | 206.7  | 199.1  | 187.8  |
| 30°   | 118.9  | 125.7  | 137.8  | 124.9  | 115.9  |
| 32.5° | 62.8   | 79.5   | 92.4   | 75.0   | 65.9   |
| 35°   | 38.6   | 43.9   | 60.6   | 44.7   | 36.3   |
| 37.5° | 23.5   | 27.3   | 37.9   | 26.5   | 21.2   |
| 40°   | 12.1   | 17.4   | 22.0   | 15.9   | 11.4   |
| 42.5° | 3.8    | 8.3    | 12.1   | 7.6    | 3.8    |
| 45°   | 0.8    | 2.3    | 6.8    | 2.3    | 0.8    |
| 47.5° | 0.0    | 0.0    | 3.0    | 0.8    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.8    | 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    |



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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)