

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: P1313428

Luminaire Tested: P3SQAS13R359730DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313428  
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: P3SQAS13R359730DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

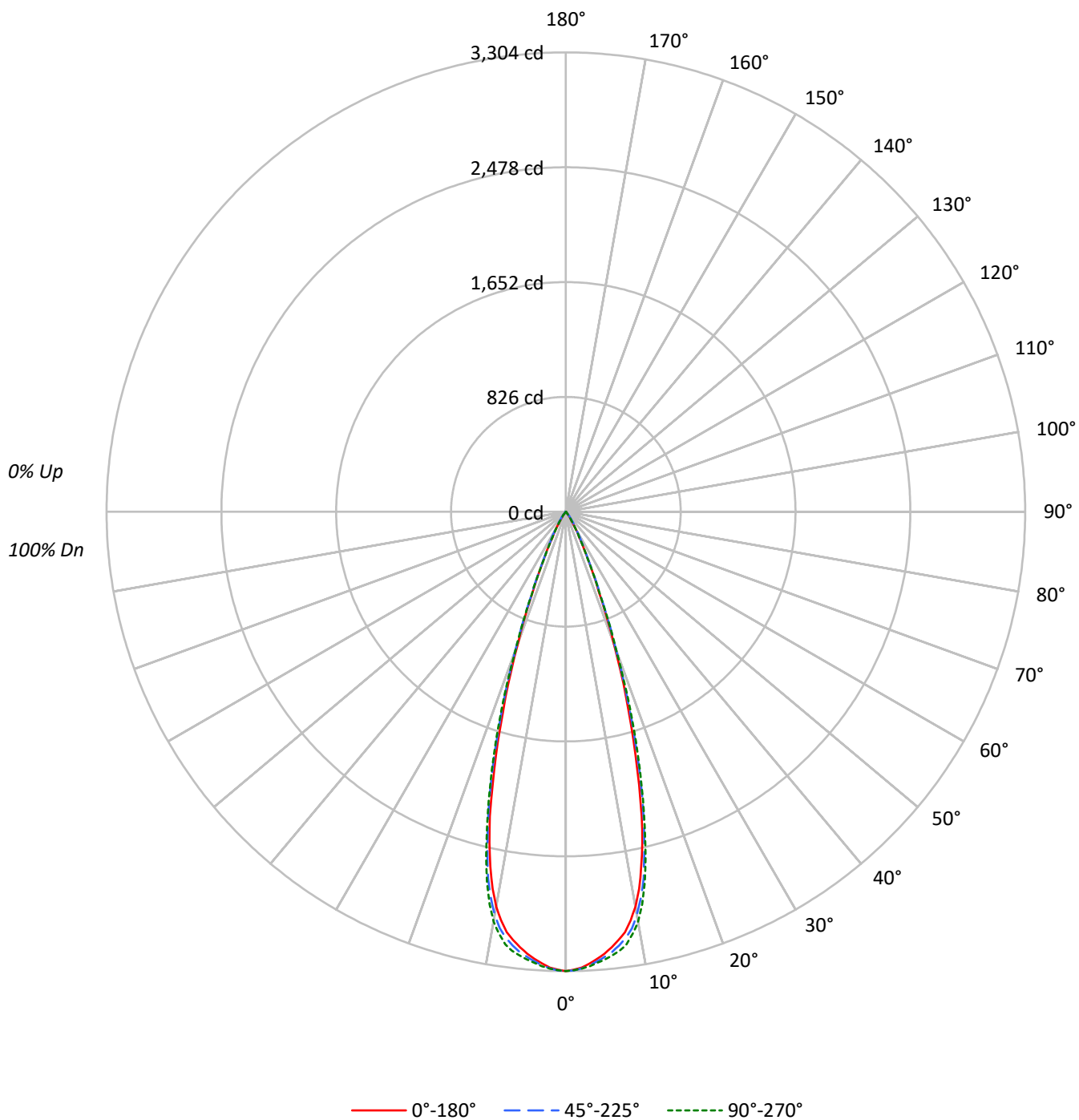
Lumens per Lamp: N/A  
Luminaire Lumens: 1100.0 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1313428

CATALOG NUMBER: P3SQAS13R359730DE010 E3SQCD1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1313428

CATALOG NUMBER: P3SQAS13R359730DE010 E3SQCD1MB

**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°  | 568989 | 568989 | 568989 |
| 5°  | 551731 | 555638 | 558663 |
| 10° | 504177 | 514828 | 523677 |
| 15° | 362569 | 378420 | 381522 |
| 20° | 184595 | 193851 | 194327 |
| 25° | 70025  | 71526  | 69531  |
| 30° | 27205  | 31540  | 26509  |
| 35° | 9335   | 14654  | 8788   |
| 40° | 3125   | 5688   | 2945   |
| 45° | 219    | 1900   | 219    |
| 50° | 0      | 241    | 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: 1900 cd/sqm

TEST NUMBER: P1313428

CATALOG NUMBER: P3SQAS13R359730DE010 E3SQCD1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 299.1  | 27.2      |
| 10°-20°   | 557.2  | 50.7      |
| 20°-30°   | 200.3  | 18.2      |
| 30°-40°   | 39.1   | 3.6       |
| 40°-50°   | 4.4    | 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       |
| 0°-30°    | 1056.5 | 96.0      |
| 0°-40°    | 1095.6 | 99.6      |
| 0°-60°    | 1100.0 | 100.0     |
| 0°-90°    | 1100.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1100.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3304 | 3304  | 3304 | 3304  | 3304 |      |
| 5°  | 3191 | 3200  | 3214 | 3229  | 3232 | 296  |
| 15° | 2034 | 2068  | 2122 | 2137  | 2140 | 540  |
| 25° | 368  | 372   | 376  | 374   | 366  | 193  |
| 35° | 44   | 50    | 70   | 51    | 42   | 33   |
| 45° | 1    | 3     | 8    | 3     | 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    |      |

TEST NUMBER: P1313428

CATALOG NUMBER: P3SQAS13R359730DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3303.8 | 3303.8 | 3303.8 | 3303.8 | 3303.8 |
| 1°    | 3294.2 | 3298.5 | 3299.4 | 3305.5 | 3298.5 |
| 2°    | 3280.2 | 3282.9 | 3286.3 | 3291.6 | 3288.1 |
| 3°    | 3253.2 | 3258.5 | 3266.3 | 3273.3 | 3273.3 |
| 4°    | 3224.5 | 3231.5 | 3241.0 | 3253.2 | 3252.4 |
| 5°    | 3191.4 | 3200.1 | 3214.0 | 3228.8 | 3231.5 |
| 6°    | 3149.6 | 3160.0 | 3182.7 | 3203.6 | 3207.1 |
| 7°    | 3105.1 | 3120.8 | 3142.6 | 3173.1 | 3180.9 |
| 8°    | 3052.9 | 3065.1 | 3096.4 | 3132.1 | 3140.9 |
| 9°    | 2976.2 | 2994.5 | 3034.6 | 3067.7 | 3072.9 |
| 10°   | 2883.0 | 2896.0 | 2943.9 | 2978.8 | 2994.5 |
| 11°   | 2762.7 | 2781.9 | 2828.9 | 2864.7 | 2875.1 |
| 12°   | 2609.4 | 2637.3 | 2692.2 | 2718.3 | 2727.0 |
| 13°   | 2443.9 | 2467.4 | 2510.1 | 2542.3 | 2549.3 |
| 14°   | 2257.4 | 2280.1 | 2324.5 | 2350.6 | 2344.5 |
| 15°   | 2033.5 | 2067.5 | 2122.4 | 2137.2 | 2139.8 |
| 17.5° | 1502.0 | 1523.8 | 1572.6 | 1596.1 | 1612.7 |
| 20°   | 1007.2 | 1028.1 | 1057.7 | 1073.4 | 1060.3 |
| 22.5° | 612.5  | 629.9  | 645.6  | 644.7  | 640.4  |
| 25°   | 368.5  | 372.0  | 376.4  | 373.8  | 365.9  |
| 27.5° | 215.2  | 224.8  | 237.9  | 229.1  | 216.1  |
| 30°   | 136.8  | 144.6  | 158.6  | 143.8  | 133.3  |
| 32.5° | 72.3   | 91.5   | 106.3  | 86.3   | 75.8   |
| 35°   | 44.4   | 50.5   | 69.7   | 51.4   | 41.8   |
| 37.5° | 27.0   | 31.4   | 43.6   | 30.5   | 24.4   |
| 40°   | 13.9   | 20.0   | 25.3   | 18.3   | 13.1   |
| 42.5° | 4.4    | 9.6    | 13.9   | 8.7    | 4.4    |
| 45°   | 0.9    | 2.6    | 7.8    | 2.6    | 0.9    |
| 47.5° | 0.0    | 0.0    | 3.5    | 0.9    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.9    | 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: P1313428

CATALOG NUMBER: P3SQAS13R359730DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)