

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: P1315209

Luminaire Tested: P3SQAS09R359740DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315209  
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: P3SQAS09R359740DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

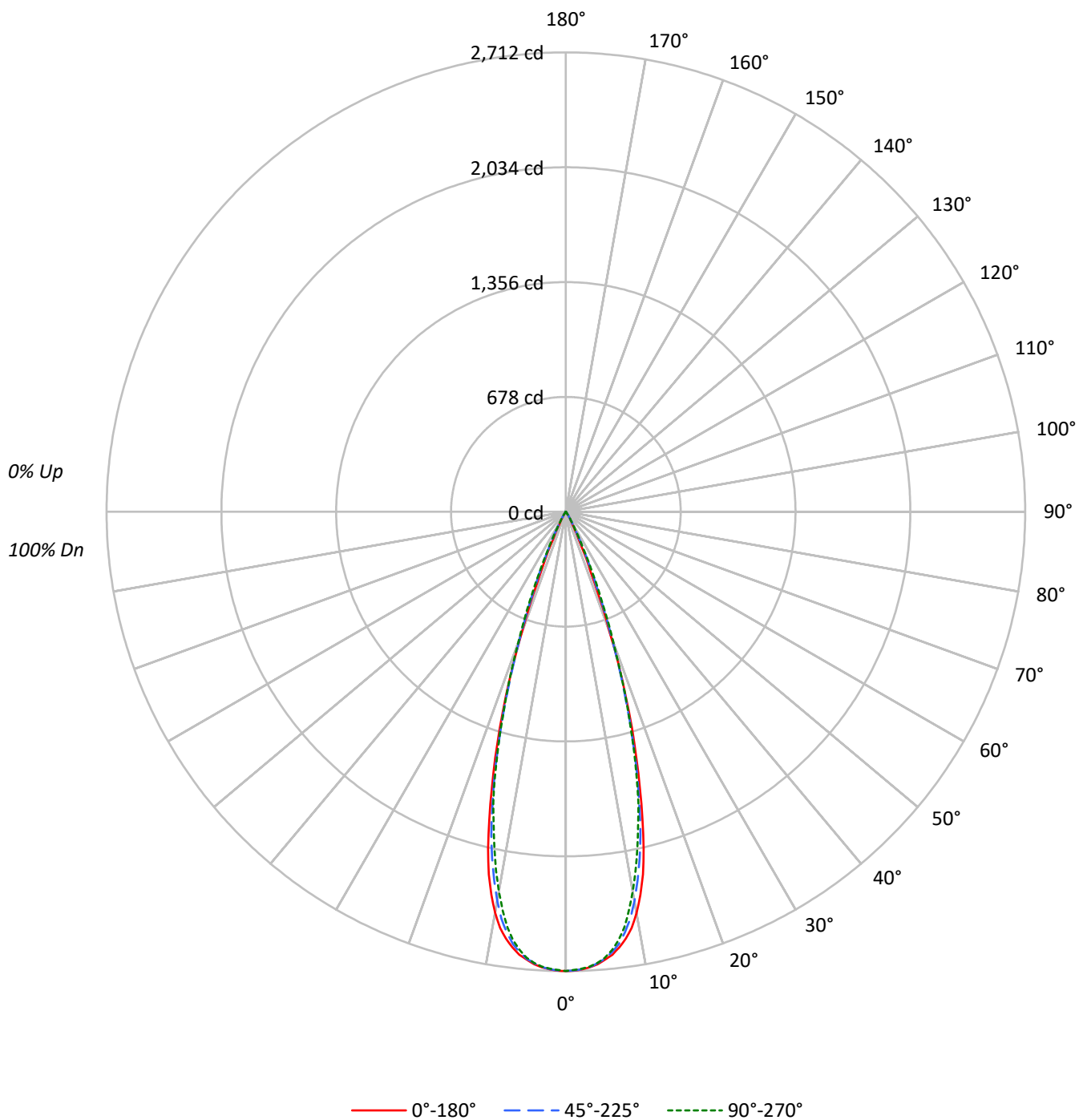
Lumens per Lamp: N/A  
Luminaire Lumens: 823.0 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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°  | 466982 | 466982 | 466982 |
| 5°  | 458963 | 457978 | 456992 |
| 10° | 420638 | 407994 | 398061 |
| 15° | 301199 | 291589 | 288058 |
| 20° | 139674 | 144476 | 149534 |
| 25° | 33141  | 47146  | 49160  |
| 30° | 9725   | 11136  | 12548  |
| 35° | 2229   | 3574   | 3280   |
| 40° | 472    | 967    | 629    |
| 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°    | 243.4  | 29.6      |
| 10°-20°   | 435.2  | 52.9      |
| 20°-30°   | 130.9  | 15.9      |
| 30°-40°   | 12.5   | 1.5       |
| 40°-50°   | 0.8    | 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°    | 809.6  | 98.4      |
| 0°-40°    | 822.1  | 99.9      |
| 0°-60°    | 823.0  | 100.0     |
| 0°-90°    | 823.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 823.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2712 | 2712  | 2712 | 2712  | 2712 |      |
| 5°  | 2655 | 2654  | 2649 | 2646  | 2643 | 246  |
| 15° | 1689 | 1676  | 1635 | 1628  | 1616 | 446  |
| 25° | 174  | 192   | 248  | 259   | 259  | 112  |
| 35° | 11   | 14    | 17   | 18    | 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°    | 2711.5 | 2711.5 | 2711.5 | 2711.5 | 2711.5 |
| 1°    | 2710.1 | 2710.1 | 2708.7 | 2708.7 | 2705.8 |
| 2°    | 2703.7 | 2704.4 | 2701.6 | 2700.9 | 2698.7 |
| 3°    | 2693.8 | 2691.7 | 2691.7 | 2690.2 | 2688.8 |
| 4°    | 2678.2 | 2673.9 | 2672.5 | 2673.2 | 2670.4 |
| 5°    | 2654.8 | 2654.1 | 2649.1 | 2645.6 | 2643.4 |
| 6°    | 2629.3 | 2624.3 | 2613.7 | 2604.5 | 2602.3 |
| 7°    | 2591.0 | 2580.4 | 2571.1 | 2552.0 | 2549.2 |
| 8°    | 2544.2 | 2527.2 | 2507.3 | 2480.4 | 2479.0 |
| 9°    | 2486.8 | 2459.1 | 2431.5 | 2395.3 | 2382.6 |
| 10°   | 2405.3 | 2379.7 | 2333.0 | 2301.1 | 2276.2 |
| 11°   | 2303.9 | 2272.0 | 2217.4 | 2179.1 | 2158.6 |
| 12°   | 2189.0 | 2159.3 | 2095.5 | 2060.7 | 2031.7 |
| 13°   | 2041.6 | 2016.8 | 1957.2 | 1919.0 | 1896.3 |
| 14°   | 1870.8 | 1852.3 | 1795.6 | 1778.6 | 1770.8 |
| 15°   | 1689.3 | 1676.5 | 1635.4 | 1628.3 | 1615.6 |
| 17.5° | 1243.4 | 1222.1 | 1198.7 | 1203.0 | 1207.2 |
| 20°   | 762.1  | 791.8  | 788.3  | 803.9  | 815.9  |
| 22.5° | 380.0  | 418.2  | 462.9  | 489.8  | 503.3  |
| 25°   | 174.4  | 192.1  | 248.1  | 258.7  | 258.7  |
| 27.5° | 87.9   | 92.2   | 117.0  | 119.1  | 124.8  |
| 30°   | 48.9   | 52.5   | 56.0   | 62.4   | 63.1   |
| 32.5° | 24.8   | 29.1   | 30.5   | 34.0   | 32.6   |
| 35°   | 10.6   | 14.2   | 17.0   | 18.4   | 15.6   |
| 37.5° | 5.0    | 6.4    | 9.2    | 8.5    | 6.4    |
| 40°   | 2.1    | 2.8    | 4.3    | 3.5    | 2.8    |
| 42.5° | 1.4    | 1.4    | 2.1    | 1.4    | 1.4    |
| 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)