

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: P1313228

Luminaire Tested: P3SQAS09R259730DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313228  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259730DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

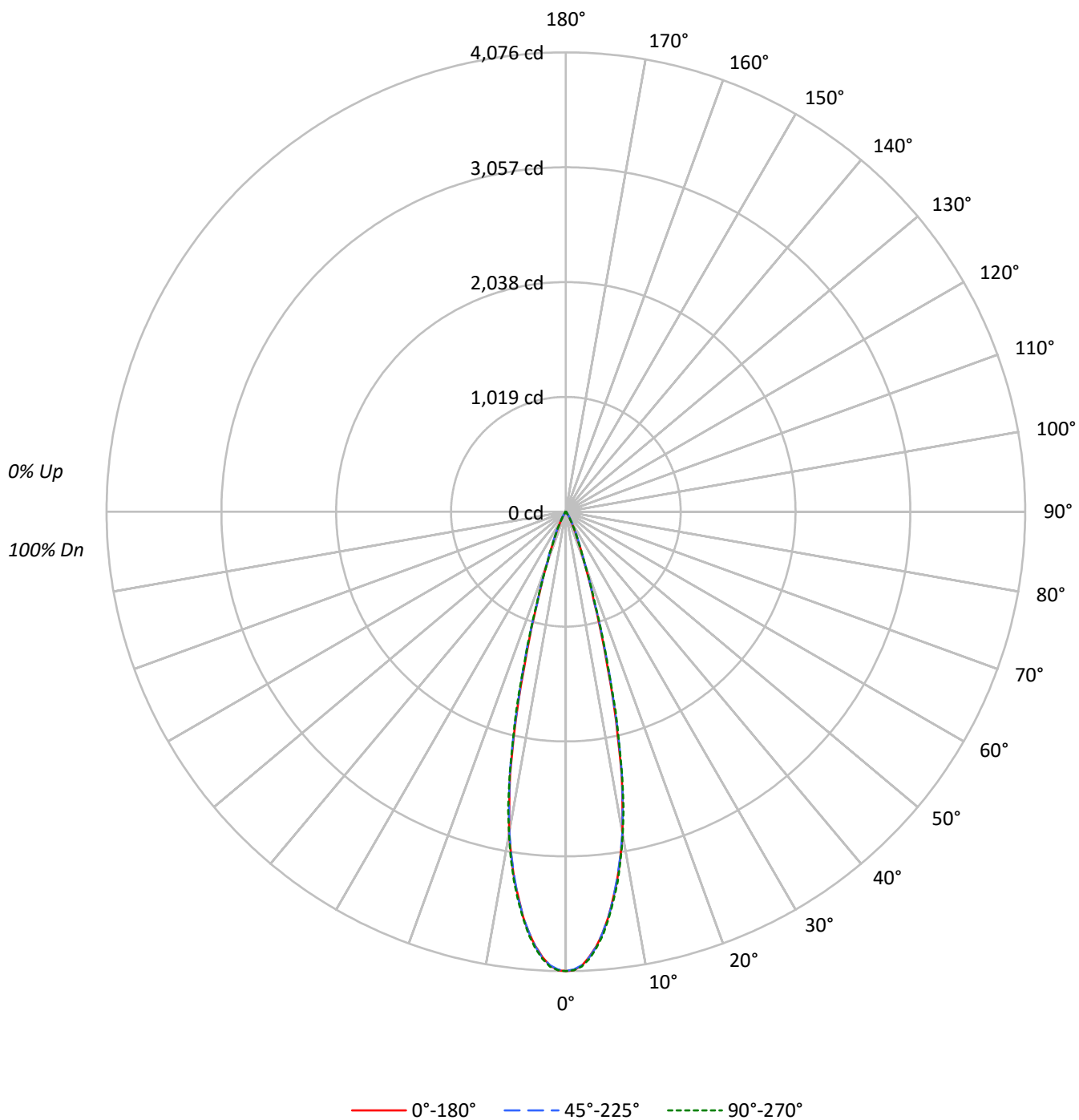
Lumens per Lamp: N/A  
Luminaire Lumens: 861.0 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 102 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 106 | 104 | 102 | 103 | 101 | 100 |  | 101 | 99  | 97  |  | 98  |
| 3   | 108 | 104 | 100 | 98  | 107 | 103 | 99  | 97  | 100 | 98  | 95  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 96  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 6   | 100 | 94  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 88  | 86  |  | 90  | 88  | 86  |  | 89  |
| 7   | 97  | 91  | 87  | 84  | 96  | 90  | 87  | 84  | 89  | 86  | 84  |  | 88  | 85  | 83  |  | 87  |
| 8   | 95  | 88  | 84  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 9   | 92  | 86  | 82  | 80  | 91  | 86  | 82  | 79  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 83  |
| 10  | 90  | 84  | 80  | 78  | 89  | 83  | 80  | 77  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 701911 | 701911 | 701911 |
| 5°  | 648336 | 648112 | 651742 |
| 10° | 506451 | 505069 | 508514 |
| 15° | 254788 | 265432 | 265200 |
| 20° | 87184  | 89585  | 88137  |
| 25° | 35041  | 39393  | 36523  |
| 30° | 14219  | 16963  | 13821  |
| 35° | 4142   | 7443   | 4142   |
| 40° | 1911   | 3237   | 1911   |
| 45° | 633    | 1267   | 633    |
| 50° | 348    | 536    | 348    |
| 55° | 390    | 390    | 390    |
| 60° | 448    | 448    | 448    |
| 65° | 285    | 285    | 285    |
| 70° | 352    | 352    | 352    |
| 75° | 466    | 466    | 466    |
| 80° | 0      | 694    | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1267 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 330.6  | 38.4      |
| 10°-20°   | 404.7  | 47.0      |
| 20°-30°   | 98.9   | 11.5      |
| 30°-40°   | 20.4   | 2.4       |
| 40°-50°   | 3.6    | 0.4       |
| 50°-60°   | 1.2    | 0.1       |
| 60°-70°   | 1.0    | 0.1       |
| 70°-80°   | 0.7    | 0.1       |
| 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°    | 834.2  | 96.9      |
| 0°-40°    | 854.6  | 99.3      |
| 0°-60°    | 859.4  | 99.8      |
| 0°-90°    | 861.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 861.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4076 | 4076  | 4076 | 4076  | 4076 |      |
| 5°  | 3750 | 3754  | 3749 | 3757  | 3770 | 330  |
| 15° | 1429 | 1453  | 1489 | 1495  | 1487 | 399  |
| 25° | 184  | 193   | 207  | 196   | 192  | 94   |
| 35° | 20   | 28    | 35   | 27    | 20   | 17   |
| 45° | 3    | 4     | 5    | 4     | 3    | 3    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4075.6 | 4075.6 | 4075.6 | 4075.6 | 4075.6 |
| 1°    | 4067.8 | 4062.5 | 4061.2 | 4061.9 | 4068.4 |
| 2°    | 4031.0 | 4027.7 | 4027.1 | 4029.1 | 4038.2 |
| 3°    | 3956.2 | 3960.2 | 3961.5 | 3968.0 | 3972.6 |
| 4°    | 3864.4 | 3872.2 | 3869.0 | 3876.8 | 3882.1 |
| 5°    | 3750.2 | 3753.5 | 3748.9 | 3756.8 | 3769.9 |
| 6°    | 3617.0 | 3605.2 | 3616.4 | 3619.7 | 3628.8 |
| 7°    | 3451.0 | 3453.7 | 3457.6 | 3461.5 | 3475.3 |
| 8°    | 3287.7 | 3279.8 | 3277.8 | 3296.2 | 3307.4 |
| 9°    | 3096.7 | 3098.1 | 3090.8 | 3111.8 | 3115.1 |
| 10°   | 2896.0 | 2879.6 | 2888.1 | 2904.5 | 2907.8 |
| 11°   | 2630.9 | 2626.3 | 2638.8 | 2664.4 | 2684.7 |
| 12°   | 2382.3 | 2384.9 | 2398.0 | 2406.5 | 2401.9 |
| 13°   | 2053.6 | 2073.2 | 2089.6 | 2098.2 | 2087.0 |
| 14°   | 1756.4 | 1756.4 | 1777.4 | 1780.6 | 1820.7 |
| 15°   | 1429.0 | 1453.2 | 1488.7 | 1495.2 | 1487.4 |
| 17.5° | 825.4  | 828.6  | 845.7  | 845.0  | 857.5  |
| 20°   | 475.7  | 480.3  | 488.8  | 486.8  | 480.9  |
| 22.5° | 286.1  | 295.9  | 316.2  | 299.8  | 295.2  |
| 25°   | 184.4  | 192.9  | 207.3  | 195.5  | 192.2  |
| 27.5° | 115.5  | 121.4  | 132.5  | 122.0  | 116.8  |
| 30°   | 71.5   | 74.8   | 85.3   | 75.5   | 69.5   |
| 32.5° | 38.7   | 47.2   | 55.8   | 47.2   | 38.7   |
| 35°   | 19.7   | 27.6   | 35.4   | 26.9   | 19.7   |
| 37.5° | 13.1   | 15.7   | 23.0   | 15.1   | 13.1   |
| 40°   | 8.5    | 10.5   | 14.4   | 10.5   | 8.5    |
| 42.5° | 4.6    | 6.6    | 7.9    | 7.2    | 4.6    |
| 45°   | 2.6    | 3.9    | 5.2    | 3.9    | 2.6    |
| 47.5° | 2.0    | 2.0    | 3.3    | 2.0    | 1.3    |
| 50°   | 1.3    | 1.3    | 2.0    | 1.3    | 1.3    |
| 52.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 55°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 57.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 60°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 62.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 65°   | 0.7    | 1.3    | 0.7    | 0.7    | 0.7    |
| 67.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 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°   | 0.0    | 0.0    | 0.7    | 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)