

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: P1305620

Luminaire Tested: P3SQAS05R359024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359024DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

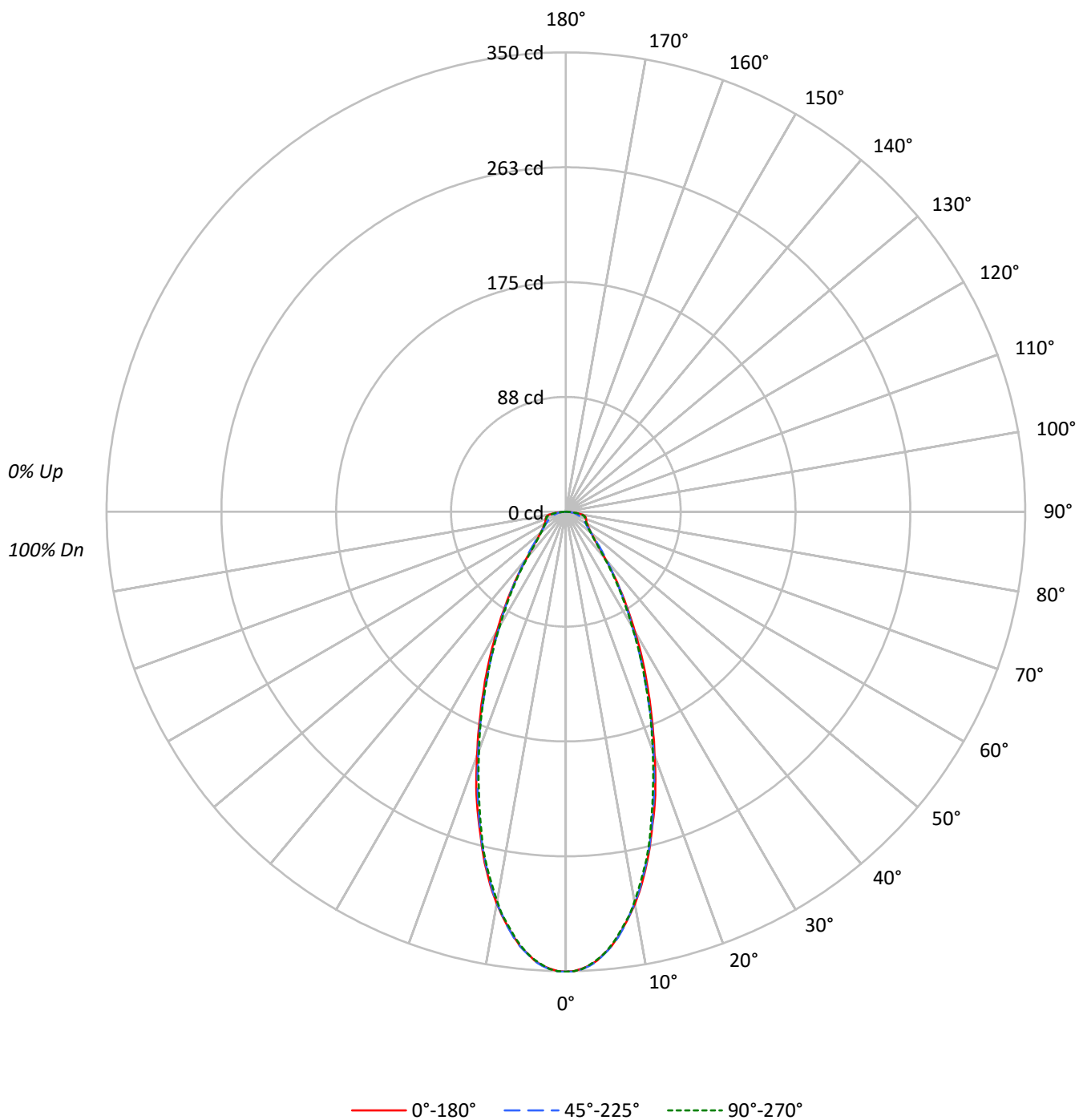
Lumens per Lamp: N/A  
Luminaire Lumens: 290.0 lumens  
Efficiency: N/A  
Efficacy: 40.3 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 104 | 98  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 82  | 78  | 75  |  | 80  |
| 4   | 92  | 82  | 75  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 7   | 77  | 66  | 60  | 55  | 76  | 66  | 59  | 54  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 56  | 51  | 72  | 62  | 55  | 51  | 61  | 55  | 51  |  | 60  | 54  | 50  |  | 59  |
| 9   | 70  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 47  |  | 56  | 51  | 47  |  | 55  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  |  | 53  | 48  | 45  |  | 53  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 60364 | 60364 | 60364 |
| 5°  | 58382 | 58451 | 58382 |
| 10° | 53041 | 52953 | 52726 |
| 15° | 45020 | 44860 | 44468 |
| 20° | 36252 | 35757 | 35445 |
| 25° | 28010 | 27174 | 27174 |
| 30° | 20901 | 20185 | 20006 |
| 35° | 15033 | 14843 | 14486 |
| 40° | 10522 | 10814 | 10117 |
| 45° | 7843  | 8281  | 7623  |
| 50° | 6752  | 6752  | 6618  |
| 55° | 6366  | 6095  | 6215  |
| 60° | 6544  | 5924  | 6234  |
| 65° | 7009  | 5950  | 6846  |
| 70° | 8208  | 6244  | 8006  |
| 75° | 10314 | 6455  | 9981  |
| 80° | 13092 | 7042  | 11802 |
| 85° | 10473 | 6916  | 10473 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 13092 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.1   | 10.7      |
| 10°-20°   | 69.5   | 24.0      |
| 20°-30°   | 66.3   | 22.9      |
| 30°-40°   | 44.6   | 15.4      |
| 40°-50°   | 26.2   | 9.0       |
| 50°-60°   | 18.7   | 6.5       |
| 60°-70°   | 15.6   | 5.4       |
| 70°-80°   | 12.8   | 4.4       |
| 80°-90°   | 5.3    | 1.8       |
| 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°    | 167.0  | 57.6      |
| 0°-40°    | 211.5  | 72.9      |
| 0°-60°    | 256.4  | 88.4      |
| 0°-90°    | 290.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 290.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 350 | 350   | 350 | 350   | 350 |      |
| 5°  | 338 | 339   | 338 | 338   | 338 | 31   |
| 15° | 252 | 253   | 252 | 250   | 249 | 70   |
| 25° | 147 | 146   | 143 | 143   | 143 | 68   |
| 35° | 72  | 72    | 71  | 69    | 69  | 45   |
| 45° | 32  | 33    | 34  | 32    | 31  | 26   |
| 55° | 21  | 21    | 20  | 20    | 21  | 19   |
| 65° | 17  | 16    | 15  | 16    | 17  | 17   |
| 75° | 16  | 12    | 10  | 12    | 15  | 16   |
| 85° | 5   | 6     | 4   | 6     | 5   | 6    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 350.5 | 350.5 | 350.5 | 350.5 | 350.5 |
| 1°    | 350.1 | 350.5 | 350.5 | 350.1 | 350.1 |
| 2°    | 348.3 | 349.2 | 348.7 | 348.3 | 348.7 |
| 3°    | 346.1 | 347.0 | 346.5 | 346.1 | 345.7 |
| 4°    | 342.6 | 343.4 | 343.0 | 342.1 | 342.1 |
| 5°    | 337.7 | 338.6 | 338.1 | 337.7 | 337.7 |
| 6°    | 332.9 | 333.7 | 332.9 | 332.0 | 332.0 |
| 7°    | 326.2 | 327.6 | 326.7 | 325.8 | 325.3 |
| 8°    | 318.7 | 320.0 | 319.2 | 318.7 | 317.8 |
| 9°    | 311.2 | 312.1 | 310.8 | 310.8 | 310.8 |
| 10°   | 303.3 | 303.7 | 302.8 | 301.5 | 301.5 |
| 11°   | 294.4 | 294.0 | 293.6 | 292.7 | 291.8 |
| 12°   | 284.7 | 284.7 | 283.4 | 282.5 | 282.1 |
| 13°   | 274.6 | 274.1 | 273.3 | 272.4 | 272.4 |
| 14°   | 264.0 | 264.0 | 263.1 | 261.3 | 261.8 |
| 15°   | 252.5 | 252.9 | 251.6 | 249.9 | 249.4 |
| 17.5° | 226.5 | 225.6 | 223.4 | 222.0 | 220.7 |
| 20°   | 197.8 | 197.3 | 195.1 | 193.8 | 193.4 |
| 22.5° | 171.3 | 170.8 | 168.6 | 167.3 | 168.2 |
| 25°   | 147.4 | 145.7 | 143.0 | 143.0 | 143.0 |
| 27.5° | 125.4 | 123.2 | 121.4 | 120.5 | 121.4 |
| 30°   | 105.1 | 103.3 | 101.5 | 101.1 | 100.6 |
| 32.5° | 87.0  | 86.1  | 85.2  | 83.9  | 83.9  |
| 35°   | 71.5  | 71.5  | 70.6  | 69.3  | 68.9  |
| 37.5° | 58.3  | 58.7  | 58.3  | 56.9  | 56.5  |
| 40°   | 46.8  | 47.7  | 48.1  | 46.8  | 45.0  |
| 42.5° | 38.4  | 39.7  | 40.6  | 38.4  | 37.1  |
| 45°   | 32.2  | 33.1  | 34.0  | 32.2  | 31.3  |
| 47.5° | 28.3  | 28.7  | 29.1  | 27.8  | 27.4  |
| 50°   | 25.2  | 25.2  | 25.2  | 24.7  | 24.7  |
| 52.5° | 23.0  | 23.0  | 22.5  | 22.1  | 22.1  |
| 55°   | 21.2  | 20.7  | 20.3  | 20.3  | 20.7  |
| 57.5° | 19.9  | 19.4  | 18.5  | 19.0  | 19.4  |
| 60°   | 19.0  | 18.1  | 17.2  | 17.7  | 18.1  |
| 62.5° | 17.7  | 16.8  | 15.9  | 16.3  | 17.2  |
| 65°   | 17.2  | 15.5  | 14.6  | 15.5  | 16.8  |
| 67.5° | 16.8  | 14.6  | 13.2  | 14.6  | 16.3  |
| 70°   | 16.3  | 13.7  | 12.4  | 13.7  | 15.9  |
| 72.5° | 15.9  | 12.8  | 11.0  | 12.8  | 15.5  |
| 75°   | 15.5  | 11.9  | 9.7   | 11.9  | 15.0  |
| 77.5° | 14.6  | 11.0  | 8.4   | 11.0  | 13.7  |
| 80°   | 13.2  | 10.2  | 7.1   | 9.7   | 11.9  |
| 82.5° | 9.7   | 8.4   | 5.7   | 8.4   | 8.8   |
| 85°   | 5.3   | 5.7   | 3.5   | 5.7   | 5.3   |
| 87.5° | 0.4   | 0.9   | 0.9   | 2.6   | 1.8   |



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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)