

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: P1311033

Luminaire Tested: P3SQAS05R359050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311033  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359050DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

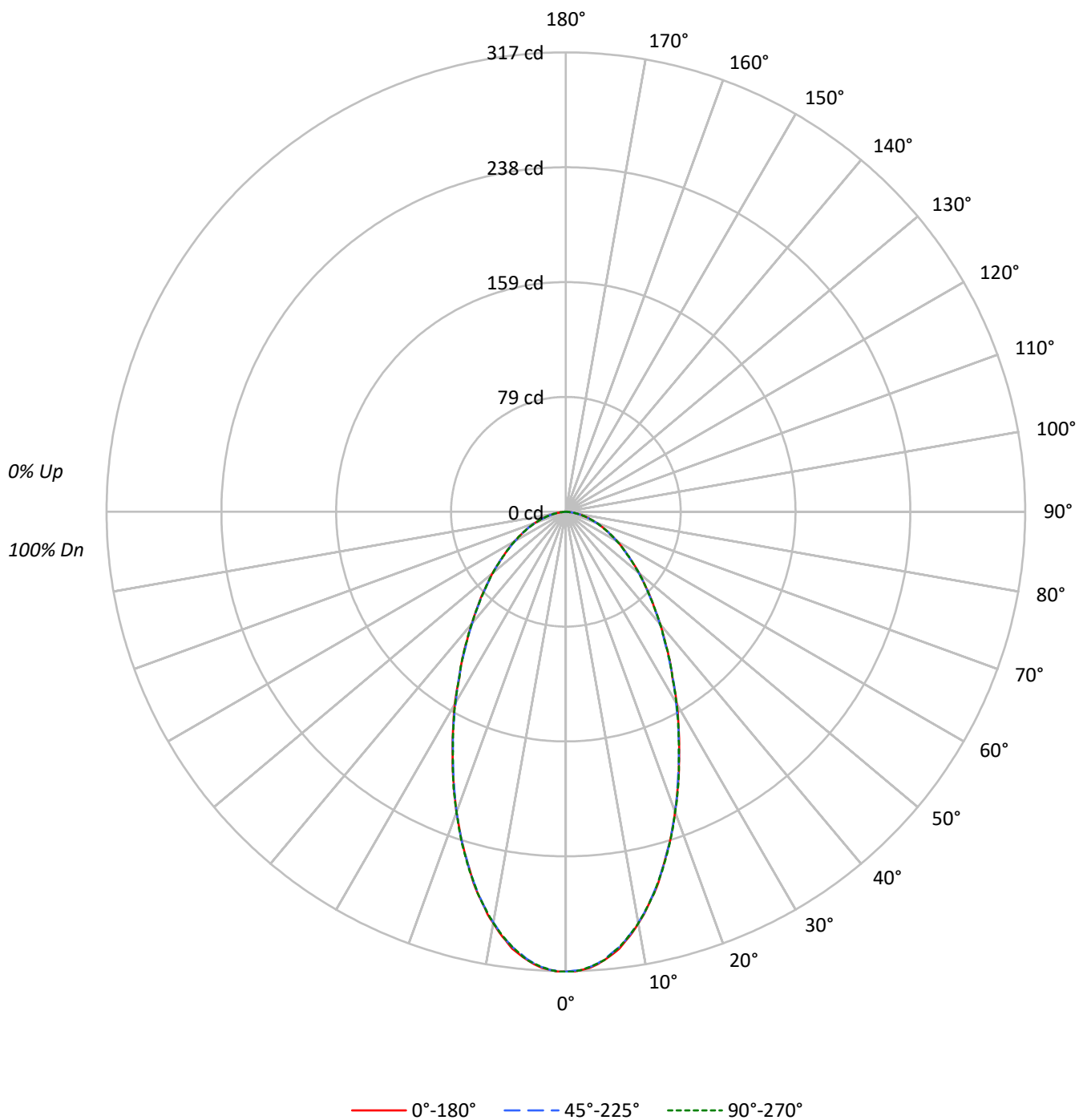
Lumens per Lamp: N/A  
Luminaire Lumens: 424.0 lumens  
Efficiency: N/A  
Efficacy: 58.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1311033

CATALOG NUMBER: P3SQAS05R359050DE010 E3SQPHLD1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1311033

CATALOG NUMBER: P3SQAS05R359050DE010 E3SQPHLD1MW

**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 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  |  | 87  | 84  | 81  |  | 84  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  |  | 66  | 61  | 56  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  |  | 49  | 44  | 39  |  | 48  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  |  | 46  | 41  | 36  |  | 45  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 54663 | 54663 | 54663 |
| 5°  | 53645 | 53541 | 53645 |
| 10° | 50435 | 50330 | 50435 |
| 15° | 45662 | 45662 | 45751 |
| 20° | 40412 | 40412 | 40412 |
| 25° | 35155 | 35041 | 35041 |
| 30° | 30466 | 30247 | 30367 |
| 35° | 26239 | 26112 | 26239 |
| 40° | 22752 | 22639 | 22752 |
| 45° | 19996 | 19850 | 19850 |
| 50° | 17737 | 17603 | 17603 |
| 55° | 15614 | 15614 | 15614 |
| 60° | 14122 | 13950 | 14122 |
| 65° | 12714 | 12714 | 12714 |
| 70° | 11279 | 11279 | 11279 |
| 75° | 10181 | 9848  | 10181 |
| 80° | 8728  | 8728  | 8728  |
| 85° | 5335  | 5335  | 5335  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19996 cd/sqm

TEST NUMBER: P1311033

CATALOG NUMBER: P3SQAS05R359050DE010 E3SQPHLD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.9   | 6.8       |
| 10°-20°   | 71.4   | 16.8      |
| 20°-30°   | 84.9   | 20.0      |
| 30°-40°   | 78.0   | 18.4      |
| 40°-50°   | 63.3   | 14.9      |
| 50°-60°   | 46.9   | 11.1      |
| 60°-70°   | 31.0   | 7.3       |
| 70°-80°   | 16.0   | 3.8       |
| 80°-90°   | 3.6    | 0.8       |
| 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°    | 185.2  | 43.7      |
| 0°-40°    | 263.2  | 62.1      |
| 0°-60°    | 373.4  | 88.1      |
| 0°-90°    | 424.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 424.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 317 | 317   | 317 | 317   | 317 |      |
| 5°  | 310 | 310   | 310 | 310   | 310 | 29   |
| 15° | 256 | 256   | 256 | 256   | 257 | 71   |
| 25° | 185 | 184   | 184 | 185   | 184 | 85   |
| 35° | 125 | 124   | 124 | 125   | 125 | 78   |
| 45° | 82  | 82    | 82  | 82    | 82  | 64   |
| 55° | 52  | 52    | 52  | 52    | 52  | 47   |
| 65° | 31  | 31    | 31  | 31    | 31  | 31   |
| 75° | 15  | 15    | 15  | 15    | 15  | 16   |
| 85° | 3   | 3     | 3   | 3     | 3   | 4    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1311033

CATALOG NUMBER: P3SQAS05R359050DE010 E3SQPHLD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 317.4 | 317.4 | 317.4 | 317.4 | 317.4 |
| 1°    | 317.4 | 316.8 | 316.8 | 316.8 | 317.4 |
| 2°    | 316.3 | 316.3 | 316.3 | 316.3 | 316.3 |
| 3°    | 315.2 | 314.6 | 314.6 | 314.6 | 314.6 |
| 4°    | 313.0 | 312.5 | 312.5 | 312.5 | 312.5 |
| 5°    | 310.3 | 309.7 | 309.7 | 309.7 | 310.3 |
| 6°    | 307.0 | 306.4 | 305.9 | 305.9 | 306.4 |
| 7°    | 303.7 | 302.6 | 302.6 | 302.6 | 302.6 |
| 8°    | 298.8 | 298.2 | 298.2 | 298.2 | 298.2 |
| 9°    | 293.9 | 292.8 | 293.3 | 293.3 | 293.3 |
| 10°   | 288.4 | 287.8 | 287.8 | 287.8 | 288.4 |
| 11°   | 282.9 | 282.4 | 282.4 | 281.8 | 282.4 |
| 12°   | 276.3 | 276.3 | 276.3 | 276.3 | 276.3 |
| 13°   | 270.3 | 269.8 | 269.8 | 269.8 | 270.3 |
| 14°   | 263.8 | 263.2 | 263.2 | 263.2 | 263.2 |
| 15°   | 256.1 | 256.1 | 256.1 | 256.1 | 256.6 |
| 17.5° | 238.6 | 238.0 | 238.6 | 238.6 | 239.1 |
| 20°   | 220.5 | 220.0 | 220.5 | 220.5 | 220.5 |
| 22.5° | 202.5 | 202.5 | 201.9 | 202.5 | 203.0 |
| 25°   | 185.0 | 184.4 | 184.4 | 185.0 | 184.4 |
| 27.5° | 168.5 | 168.0 | 168.0 | 168.0 | 168.0 |
| 30°   | 153.2 | 152.1 | 152.1 | 152.7 | 152.7 |
| 32.5° | 137.3 | 137.3 | 137.9 | 137.3 | 137.3 |
| 35°   | 124.8 | 124.2 | 124.2 | 124.8 | 124.8 |
| 37.5° | 112.2 | 111.6 | 111.6 | 112.2 | 112.2 |
| 40°   | 101.2 | 101.2 | 100.7 | 101.2 | 101.2 |
| 42.5° | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  |
| 45°   | 82.1  | 81.5  | 81.5  | 81.5  | 81.5  |
| 47.5° | 73.3  | 73.3  | 73.3  | 72.8  | 73.3  |
| 50°   | 66.2  | 65.7  | 65.7  | 65.7  | 65.7  |
| 52.5° | 58.6  | 58.6  | 58.6  | 58.6  | 58.6  |
| 55°   | 52.0  | 52.0  | 52.0  | 52.0  | 52.0  |
| 57.5° | 46.5  | 46.0  | 46.0  | 46.0  | 46.0  |
| 60°   | 41.0  | 41.0  | 40.5  | 41.0  | 41.0  |
| 62.5° | 35.6  | 35.6  | 35.6  | 35.6  | 35.6  |
| 65°   | 31.2  | 31.2  | 31.2  | 31.2  | 31.2  |
| 67.5° | 26.8  | 26.8  | 26.8  | 26.8  | 26.8  |
| 70°   | 22.4  | 22.4  | 22.4  | 22.4  | 22.4  |
| 72.5° | 19.2  | 18.6  | 18.6  | 18.6  | 18.6  |
| 75°   | 15.3  | 15.3  | 14.8  | 15.3  | 15.3  |
| 77.5° | 11.5  | 11.5  | 11.5  | 11.5  | 11.5  |
| 80°   | 8.8   | 8.8   | 8.8   | 8.2   | 8.8   |
| 82.5° | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   |
| 85°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   |
| 87.5° | 0.5   | 0.5   | 0.5   | 1.1   | 1.1   |



TEST NUMBER: P1311033

CATALOG NUMBER: P3SQAS05R359050DE010 E3SQPHLD1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)