

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: P1307849

Luminaire Tested: P3SQAS09R309030DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307849  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R309030DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

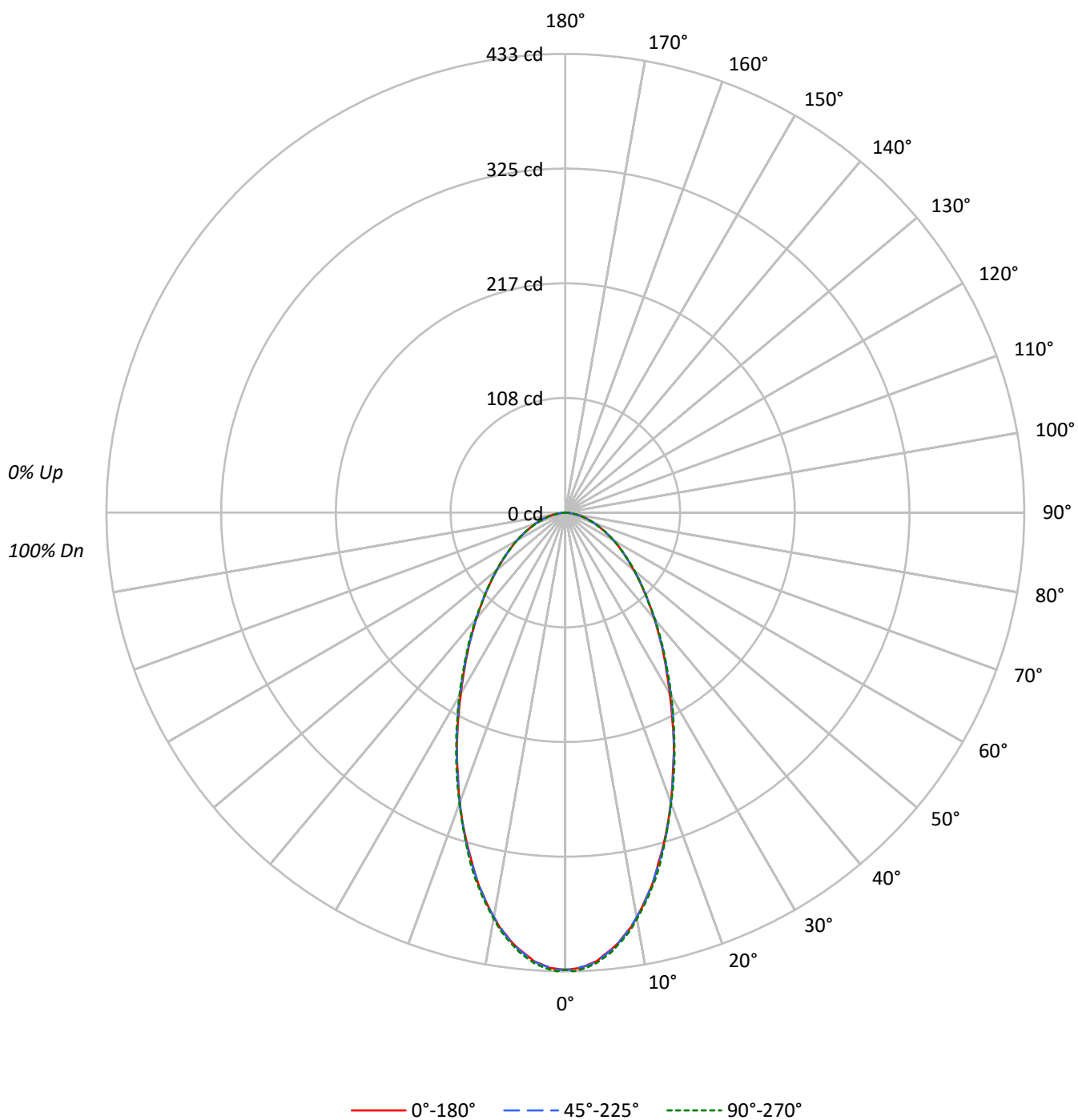
Lumens per Lamp: N/A  
Luminaire Lumens: 554.0 lumens  
Efficiency: N/A  
Efficacy: 49.9 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1307849

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQPHLD1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1307849

CATALOG NUMBER: P3SQAS09R309030DE010 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 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  |  | 87  | 84  | 81  |  | 85  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 73  | 82  | 77  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 89  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 67  | 63  |  | 71  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |  | 62  | 56  | 51  |  | 60  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  |  | 57  | 51  | 47  |  | 56  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 74297 | 74297 | 74297 |
| 5°  | 72472 | 72610 | 72869 |
| 10° | 67818 | 67818 | 68081 |
| 15° | 60800 | 60942 | 61352 |
| 20° | 53370 | 53370 | 53516 |
| 25° | 46024 | 46024 | 46309 |
| 30° | 39157 | 39614 | 39773 |
| 35° | 33828 | 33997 | 34165 |
| 40° | 29294 | 29452 | 29631 |
| 45° | 25574 | 25769 | 25769 |
| 50° | 22587 | 22587 | 22801 |
| 55° | 20238 | 20238 | 20238 |
| 60° | 18221 | 18221 | 18221 |
| 65° | 16219 | 16219 | 16219 |
| 70° | 14653 | 14653 | 14653 |
| 75° | 13242 | 12776 | 12776 |
| 80° | 11406 | 10612 | 10612 |
| 85° | 7509  | 7509  | 7509  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25769 cd/sqm

TEST NUMBER: P1307849

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQPHLD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.1   | 7.1       |
| 10°-20°   | 95.3   | 17.2      |
| 20°-30°   | 111.3  | 20.1      |
| 30°-40°   | 101.2  | 18.3      |
| 40°-50°   | 81.8   | 14.8      |
| 50°-60°   | 60.4   | 10.9      |
| 60°-70°   | 39.8   | 7.2       |
| 70°-80°   | 20.6   | 3.7       |
| 80°-90°   | 4.7    | 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°    | 245.6  | 44.3      |
| 0°-40°    | 346.8  | 62.6      |
| 0°-60°    | 489.0  | 88.3      |
| 0°-90°    | 554.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 554.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 431 | 431   | 431 | 431   | 431 |      |
| 5°  | 419 | 419   | 420 | 420   | 422 | 39   |
| 15° | 341 | 342   | 342 | 342   | 344 | 95   |
| 25° | 242 | 241   | 242 | 242   | 244 | 111  |
| 35° | 161 | 160   | 162 | 162   | 162 | 101  |
| 45° | 105 | 106   | 106 | 106   | 106 | 82   |
| 55° | 67  | 67    | 67  | 67    | 67  | 60   |
| 65° | 40  | 40    | 40  | 40    | 40  | 40   |
| 75° | 20  | 19    | 19  | 19    | 19  | 21   |
| 85° | 4   | 4     | 4   | 4     | 4   | 5    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1307849

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQPHLD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 431.4 | 431.4 | 431.4 | 431.4 | 431.4 |
| 1°    | 430.7 | 430.7 | 431.4 | 430.7 | 433.0 |
| 2°    | 429.9 | 429.1 | 429.1 | 429.1 | 431.4 |
| 3°    | 426.8 | 426.8 | 427.6 | 426.8 | 429.1 |
| 4°    | 424.5 | 423.8 | 424.5 | 423.8 | 426.1 |
| 5°    | 419.2 | 419.2 | 420.0 | 420.0 | 421.5 |
| 6°    | 414.6 | 414.6 | 415.4 | 414.6 | 416.9 |
| 7°    | 409.2 | 409.2 | 409.2 | 409.2 | 410.8 |
| 8°    | 402.3 | 402.3 | 403.1 | 403.1 | 404.6 |
| 9°    | 396.2 | 395.4 | 395.4 | 395.4 | 397.7 |
| 10°   | 387.8 | 387.8 | 387.8 | 387.8 | 389.3 |
| 11°   | 379.3 | 379.3 | 379.3 | 379.3 | 380.9 |
| 12°   | 370.1 | 370.1 | 370.9 | 370.1 | 372.4 |
| 13°   | 361.7 | 361.7 | 361.7 | 361.7 | 363.2 |
| 14°   | 351.7 | 351.0 | 351.7 | 351.7 | 354.0 |
| 15°   | 341.0 | 341.8 | 341.8 | 341.8 | 344.1 |
| 17.5° | 316.5 | 316.5 | 317.3 | 315.7 | 317.3 |
| 20°   | 291.2 | 290.4 | 291.2 | 291.2 | 292.0 |
| 22.5° | 265.2 | 265.9 | 265.9 | 265.9 | 267.5 |
| 25°   | 242.2 | 241.4 | 242.2 | 242.2 | 243.7 |
| 27.5° | 218.4 | 219.2 | 219.9 | 219.2 | 220.7 |
| 30°   | 196.9 | 198.5 | 199.2 | 197.7 | 200.0 |
| 32.5° | 177.8 | 177.8 | 178.6 | 179.3 | 180.1 |
| 35°   | 160.9 | 160.2 | 161.7 | 161.7 | 162.5 |
| 37.5° | 144.8 | 144.8 | 144.8 | 145.6 | 146.4 |
| 40°   | 130.3 | 130.3 | 131.0 | 131.0 | 131.8 |
| 42.5° | 117.2 | 116.5 | 117.2 | 117.2 | 117.2 |
| 45°   | 105.0 | 105.8 | 105.8 | 105.8 | 105.8 |
| 47.5° | 94.3  | 94.3  | 95.0  | 94.3  | 95.0  |
| 50°   | 84.3  | 84.3  | 84.3  | 84.3  | 85.1  |
| 52.5° | 75.1  | 75.1  | 75.1  | 75.1  | 75.9  |
| 55°   | 67.4  | 66.7  | 67.4  | 66.7  | 67.4  |
| 57.5° | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  |
| 60°   | 52.9  | 52.1  | 52.9  | 52.1  | 52.9  |
| 62.5° | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  |
| 65°   | 39.8  | 39.8  | 39.8  | 39.8  | 39.8  |
| 67.5° | 34.5  | 34.5  | 34.5  | 33.7  | 33.7  |
| 70°   | 29.1  | 29.1  | 29.1  | 29.1  | 29.1  |
| 72.5° | 24.5  | 23.8  | 23.8  | 23.8  | 23.8  |
| 75°   | 19.9  | 19.2  | 19.2  | 19.2  | 19.2  |
| 77.5° | 15.3  | 15.3  | 14.6  | 14.6  | 15.3  |
| 80°   | 11.5  | 10.7  | 10.7  | 10.7  | 10.7  |
| 82.5° | 6.9   | 6.9   | 6.9   | 6.9   | 6.9   |
| 85°   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   |
| 87.5° | 0.8   | 0.8   | 0.8   | 1.5   | 1.5   |



TEST NUMBER: P1307849

CATALOG NUMBER: P3SQAS09R309030DE010 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)