

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: P1254157

Luminaire Tested: P3AS09R109035DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1254157  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R109035DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R10 optic, 3500K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

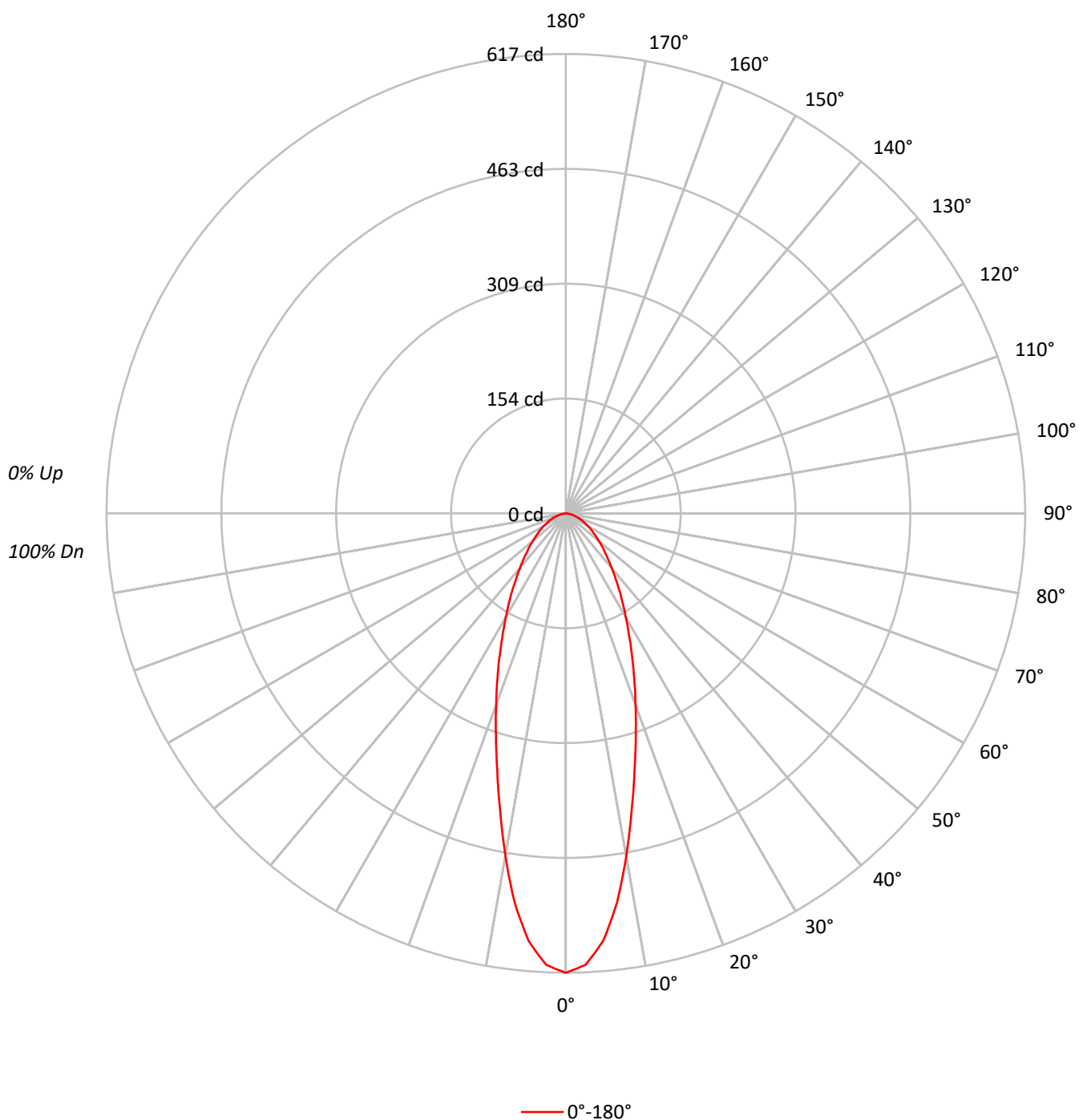
Lumens per Lamp: N/A  
Luminaire Lumens: 465.0 lumens  
Efficiency: N/A  
Efficacy: 37.2 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.5  
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   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97  |  | 98  | 96  | 95  |  | 95  |
| 2   | 104 | 98  | 93  | 89  | 102 | 97  | 92  | 88  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 87  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  |  | 83  | 79  | 75  |  | 81  |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 63  | 73  | 67  | 63  |  | 71  | 66  | 62  |  | 70  |
| 6   | 81  | 70  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  |  | 67  | 61  | 57  |  | 65  |
| 7   | 77  | 66  | 59  | 54  | 75  | 65  | 58  | 54  | 64  | 58  | 53  |  | 62  | 57  | 53  |  | 61  |
| 8   | 72  | 61  | 55  | 50  | 71  | 61  | 54  | 50  | 60  | 54  | 49  |  | 59  | 53  | 49  |  | 58  |
| 9   | 69  | 58  | 51  | 46  | 68  | 57  | 51  | 46  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |
| 10  | 65  | 54  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 52  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 135318 |
| 5°  | 126854 |
| 10° | 104028 |
| 15° | 80818  |
| 20° | 63799  |
| 25° | 50834  |
| 30° | 40816  |
| 35° | 33301  |
| 40° | 27451  |
| 45° | 23103  |
| 50° | 19820  |
| 55° | 17165  |
| 60° | 15218  |
| 65° | 13231  |
| 70° | 11797  |
| 75° | 9489   |
| 80° | 7703   |
| 85° | 5032   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23103 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.5   | 11.1      |
| 10°-20°   | 99.7   | 21.4      |
| 20°-30°   | 96.9   | 20.8      |
| 30°-40°   | 78.3   | 16.8      |
| 40°-50°   | 58.2   | 12.5      |
| 50°-60°   | 40.6   | 8.7       |
| 60°-70°   | 25.5   | 5.5       |
| 70°-80°   | 12.1   | 2.6       |
| 80°-90°   | 2.2    | 0.5       |
| 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°    | 248.1  | 53.4      |
| 0°-40°    | 326.4  | 70.2      |
| 0°-60°    | 425.3  | 91.4      |
| 0°-90°    | 465.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 465.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 617 |      |
| 5°  | 576 | 51   |
| 15° | 356 | 100  |
| 25° | 210 | 97   |
| 35° | 124 | 78   |
| 45° | 74  | 58   |
| 55° | 45  | 41   |
| 65° | 26  | 25   |
| 75° | 11  | 12   |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 617.1 |
| 2.5°  | 606.9 |
| 5°    | 576.3 |
| 7.5°  | 527.3 |
| 10°   | 467.2 |
| 12.5° | 408.0 |
| 15°   | 356.0 |
| 17.5° | 312.1 |
| 20°   | 273.4 |
| 22.5° | 239.7 |
| 25°   | 210.1 |
| 27.5° | 183.6 |
| 30°   | 161.2 |
| 32.5° | 141.8 |
| 35°   | 124.4 |
| 37.5° | 109.1 |
| 40°   | 95.9  |
| 42.5° | 84.7  |
| 45°   | 74.5  |
| 47.5° | 66.3  |
| 50°   | 58.1  |
| 52.5° | 51.0  |
| 55°   | 44.9  |
| 57.5° | 39.8  |
| 60°   | 34.7  |
| 62.5° | 29.6  |
| 65°   | 25.5  |
| 67.5° | 21.4  |
| 70°   | 18.4  |
| 72.5° | 14.3  |
| 75°   | 11.2  |
| 77.5° | 8.2   |
| 80°   | 6.1   |
| 82.5° | 3.1   |
| 85°   | 2.0   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)