

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: P1247286

Luminaire Tested: P3AS17R309024DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R309024DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

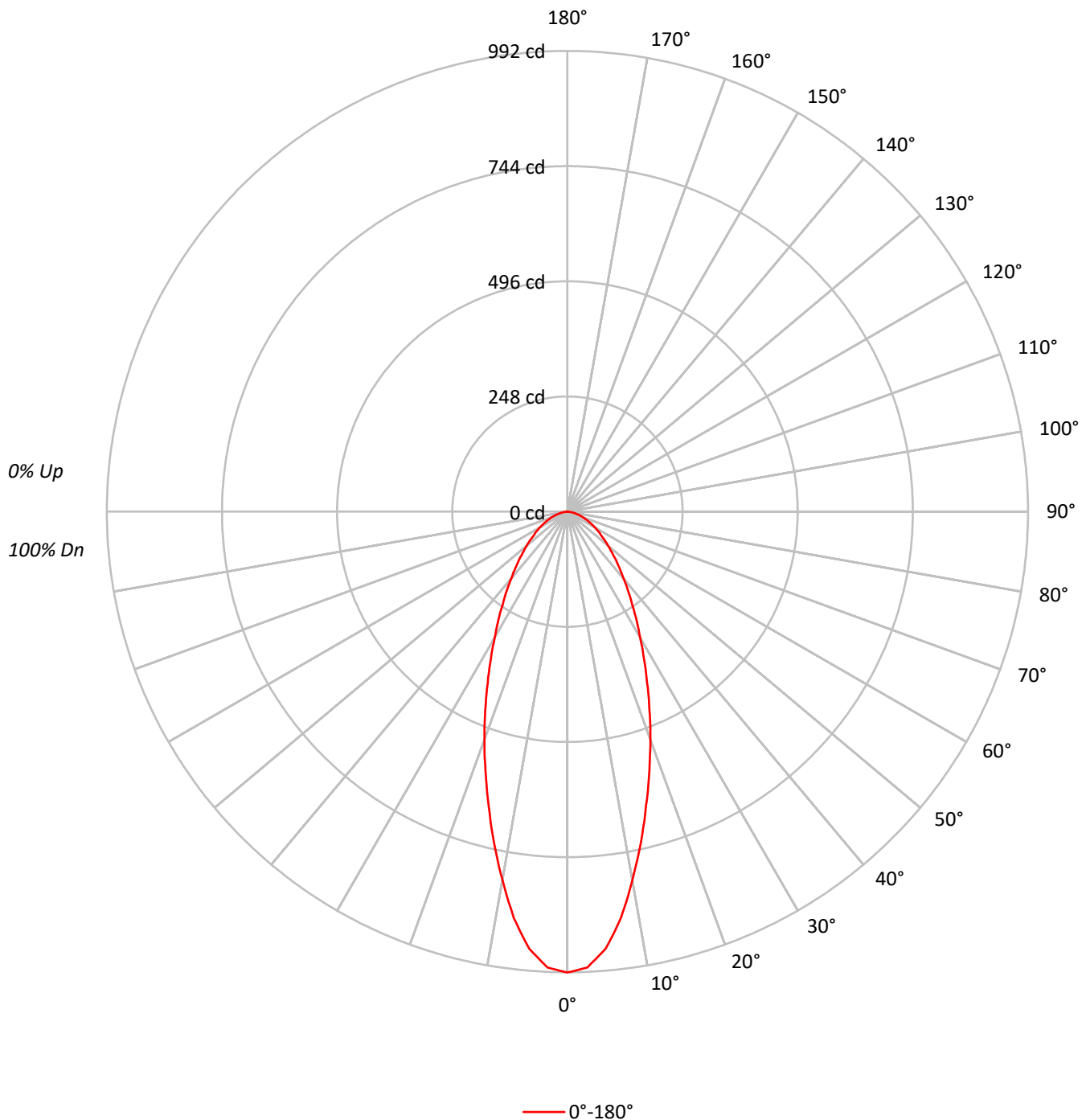
Lumens per Lamp: N/A  
Luminaire Lumens: 883.0 lumens  
Efficiency: N/A  
Efficacy: 41.7 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 82  | 78  | 75  |  | 80  |
| 4   | 91  | 82  | 75  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  |  | 76  | 71  | 67  |  | 74  |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  |  | 70  | 65  | 61  |  | 69  |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  |  | 65  | 60  | 56  |  | 64  |
| 7   | 76  | 65  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 8   | 71  | 60  | 53  | 48  | 70  | 60  | 53  | 48  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |
| 9   | 68  | 57  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |
| 10  | 64  | 53  | 47  | 42  | 63  | 53  | 46  | 42  | 52  | 46  | 42  |  | 51  | 46  | 42  |  | 50  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 217592 |
| 5°  | 207968 |
| 10° | 179378 |
| 15° | 148696 |
| 20° | 121881 |
| 25° | 98256  |
| 30° | 79177  |
| 35° | 64862  |
| 40° | 53901  |
| 45° | 45710  |
| 50° | 39095  |
| 55° | 33796  |
| 60° | 30173  |
| 65° | 26358  |
| 70° | 23081  |
| 75° | 19402  |
| 80° | 14522  |
| 85° | 8303   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45710 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.7   | 9.7       |
| 10°-20°   | 182.6  | 20.7      |
| 20°-30°   | 187.2  | 21.2      |
| 30°-40°   | 153.0  | 17.3      |
| 40°-50°   | 114.5  | 13.0      |
| 50°-60°   | 80.4   | 9.1       |
| 60°-70°   | 50.6   | 5.7       |
| 70°-80°   | 24.4   | 2.8       |
| 80°-90°   | 4.7    | 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°    | 455.5  | 51.6      |
| 0°-40°    | 608.5  | 68.9      |
| 0°-60°    | 803.4  | 91.0      |
| 0°-90°    | 883.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 883.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 992 |      |
| 5°  | 945 | 86   |
| 15° | 655 | 183  |
| 25° | 406 | 187  |
| 35° | 242 | 153  |
| 45° | 147 | 114  |
| 55° | 88  | 80   |
| 65° | 51  | 51   |
| 75° | 23  | 24   |
| 85° | 3   | 5    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 992.3 |
| 2.5°  | 982.4 |
| 5°    | 944.8 |
| 7.5°  | 882.6 |
| 10°   | 805.6 |
| 12.5° | 730.3 |
| 15°   | 655.0 |
| 17.5° | 586.2 |
| 20°   | 522.3 |
| 22.5° | 461.7 |
| 25°   | 406.1 |
| 27.5° | 357.0 |
| 30°   | 312.7 |
| 32.5° | 276.7 |
| 35°   | 242.3 |
| 37.5° | 214.5 |
| 40°   | 188.3 |
| 42.5° | 167.0 |
| 45°   | 147.4 |
| 47.5° | 129.4 |
| 50°   | 114.6 |
| 52.5° | 101.5 |
| 55°   | 88.4  |
| 57.5° | 78.6  |
| 60°   | 68.8  |
| 62.5° | 58.9  |
| 65°   | 50.8  |
| 67.5° | 42.6  |
| 70°   | 36.0  |
| 72.5° | 29.5  |
| 75°   | 22.9  |
| 77.5° | 16.4  |
| 80°   | 11.5  |
| 82.5° | 6.5   |
| 85°   | 3.3   |
| 87.5° | 1.6   |
| 90°   | 0.0   |

(END OF REPORT)