

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: P1300244

Luminaire Tested: P3AS17R30W2N902750DE010 E3PHLD1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

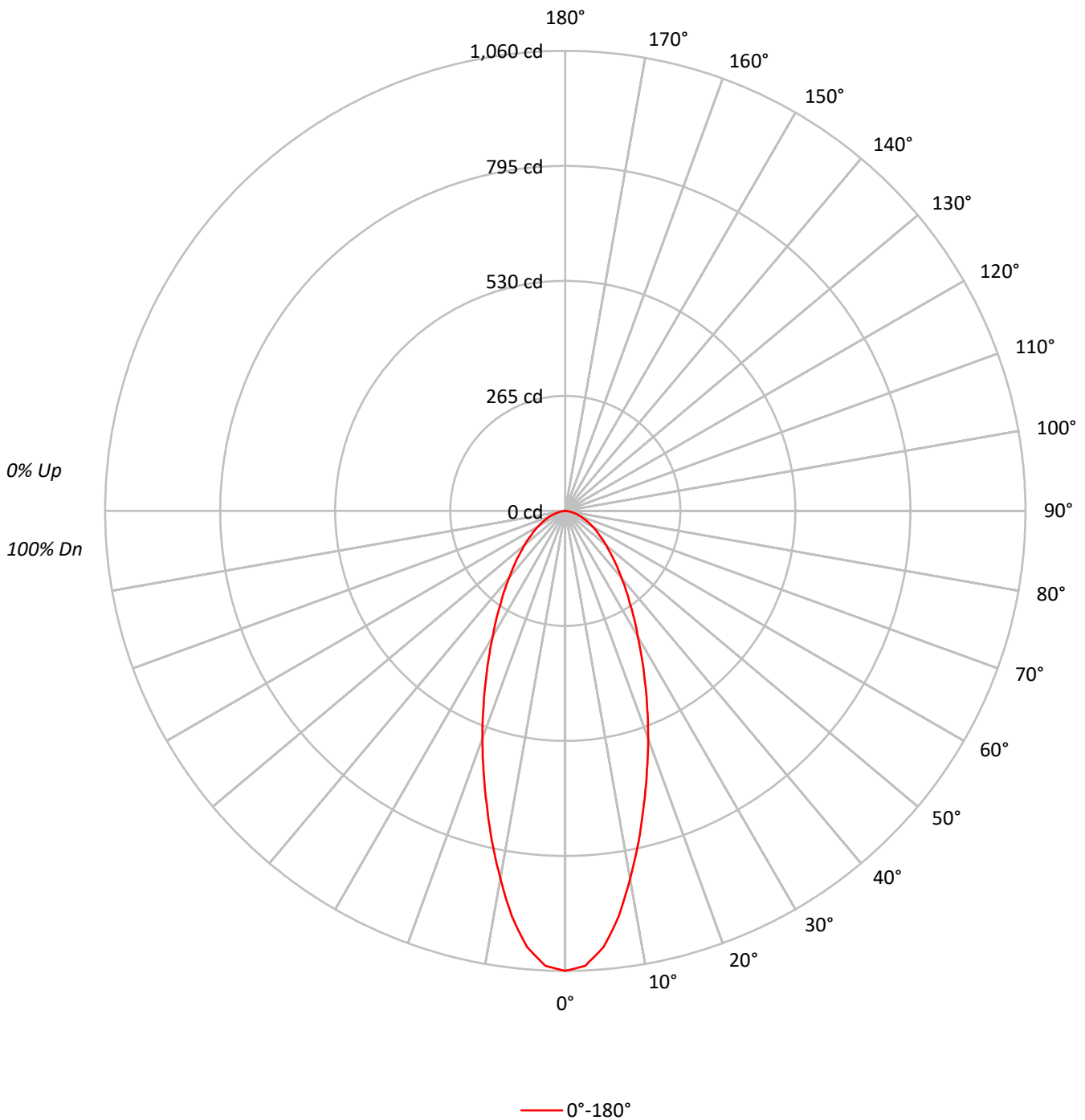
Test Method: LM-79-2019  
Report Number: P1300244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R30W2N902750DE010 E3PHLD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 943.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 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): 19.4  
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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 94  | 93  | 91  | 90  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 83  | 87  | 84  | 82  | 87  | 84  | 82  | 80  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 75  | 80  | 76  | 73  | 80  | 76  | 73  | 71  |
| 4   | 91  | 82  | 75  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  | 76  | 71  | 67  | 74  | 70  | 66  | 74  | 70  | 66  | 65  |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 69  | 64  | 61  | 59  |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 64  | 59  | 56  | 54  |
| 7   | 76  | 65  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 60  | 55  | 51  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 60  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 56  | 51  | 48  | 46  |
| 9   | 68  | 57  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 44  | 53  | 48  | 44  | 43  |
| 10  | 64  | 53  | 47  | 42  | 63  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 42  | 50  | 45  | 42  | 40  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 232372 |
| 5°  | 222099 |
| 10° | 191557 |
| 15° | 158798 |
| 20° | 130165 |
| 25° | 104933 |
| 30° | 84570  |
| 35° | 69279  |
| 40° | 57565  |
| 45° | 48811  |
| 50° | 41756  |
| 55° | 36090  |
| 60° | 32190  |
| 65° | 28122  |
| 70° | 24684  |
| 75° | 20757  |
| 80° | 15406  |
| 85° | 8806   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 48811 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 91.5   | 9.7       |
| 10°-20°   | 195.1  | 20.7      |
| 20°-30°   | 199.9  | 21.2      |
| 30°-40°   | 163.4  | 17.3      |
| 40°-50°   | 122.2  | 13.0      |
| 50°-60°   | 85.8   | 9.1       |
| 60°-70°   | 54.0   | 5.7       |
| 70°-80°   | 26.0   | 2.8       |
| 80°-90°   | 5.0    | 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       |
| 0°-30°    | 486.4  | 51.6      |
| 0°-40°    | 649.9  | 68.9      |
| 0°-60°    | 857.9  | 91.0      |
| 0°-90°    | 943.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 943.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1060 |      |
| 5°  | 1009 | 91   |
| 15° | 700  | 195  |
| 25° | 434  | 200  |
| 35° | 259  | 163  |
| 45° | 157  | 122  |
| 55° | 94   | 86   |
| 65° | 54   | 54   |
| 75° | 24   | 26   |
| 85° | 4    | 5    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1059.7 |
| 2.5°  | 1049.2 |
| 5°    | 1009.0 |
| 7.5°  | 942.5  |
| 10°   | 860.3  |
| 12.5° | 779.9  |
| 15°   | 699.5  |
| 17.5° | 626.0  |
| 20°   | 557.8  |
| 22.5° | 493.1  |
| 25°   | 433.7  |
| 27.5° | 381.2  |
| 30°   | 334.0  |
| 32.5° | 295.5  |
| 35°   | 258.8  |
| 37.5° | 229.1  |
| 40°   | 201.1  |
| 42.5° | 178.4  |
| 45°   | 157.4  |
| 47.5° | 138.1  |
| 50°   | 122.4  |
| 52.5° | 108.4  |
| 55°   | 94.4   |
| 57.5° | 83.9   |
| 60°   | 73.4   |
| 62.5° | 63.0   |
| 65°   | 54.2   |
| 67.5° | 45.5   |
| 70°   | 38.5   |
| 72.5° | 31.5   |
| 75°   | 24.5   |
| 77.5° | 17.5   |
| 80°   | 12.2   |
| 82.5° | 7.0    |
| 85°   | 3.5    |
| 87.5° | 1.7    |
| 90°   | 0.0    |

(END OF REPORT)