

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: P1301443

Luminaire Tested: P3AS17R50W2N902750DE010 E3DLD1LI\_3500K

Issue Date: 1/30/2026

**Test Information**

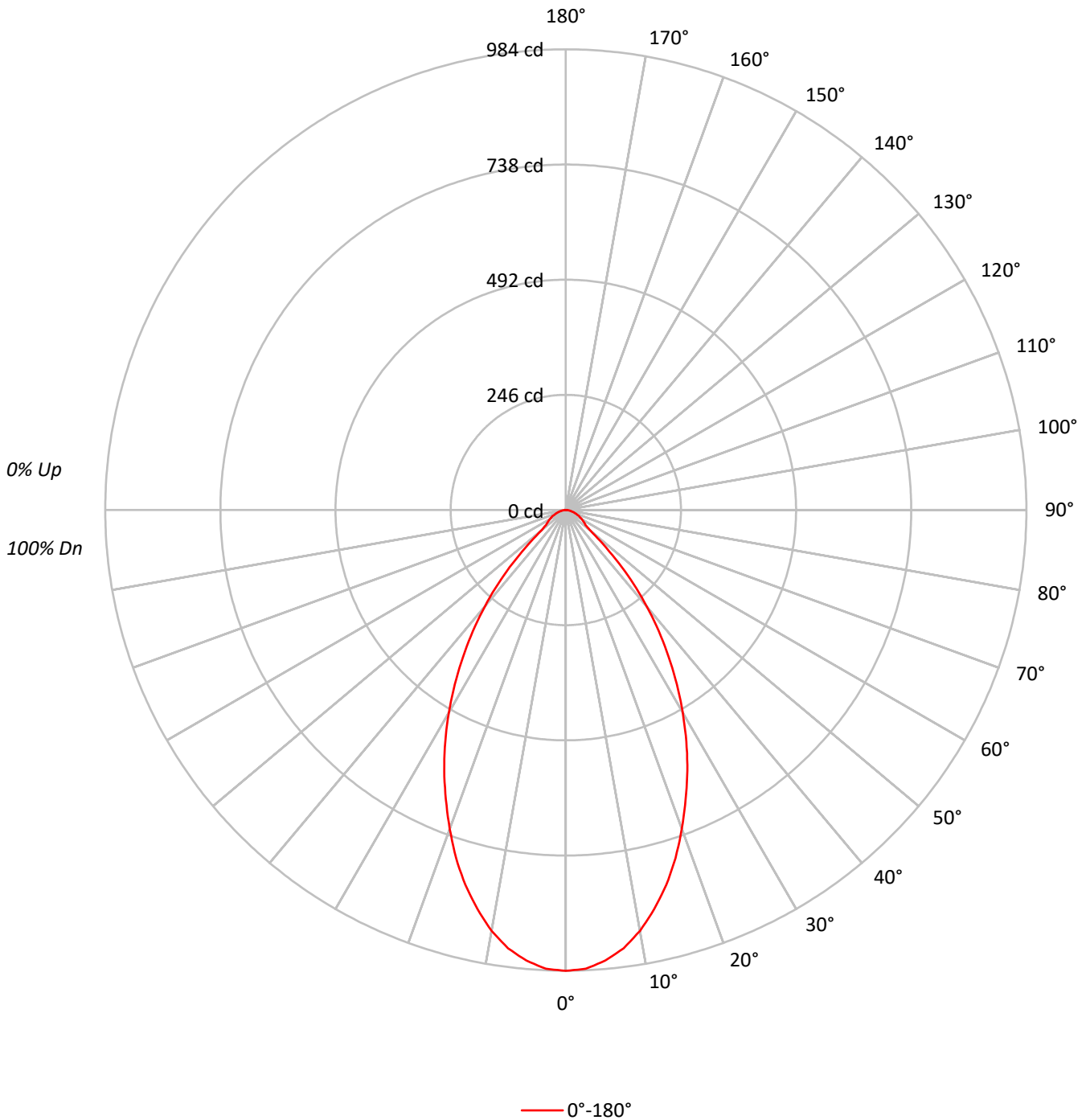
Test Method: LM-79-2019  
Report Number: P1301443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R50W2N902750DE010 E3DLD1LI\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,  
E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1062.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
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 | 100 |    |    | 100 |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |    |    | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 83  |    |    | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    | 75  |
| 4   | 93  | 85  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 69  |    |    | 69  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 64  | 63  |    |    | 63  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  | 69  | 64  | 60  | 67  | 63  | 59  | 58  |    |    | 58  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63  | 59  | 55  | 53  |    |    | 53  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 59  | 55  | 51  | 50  |    |    | 50  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |    |    | 46  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  | 54  | 48  | 45  | 53  | 48  | 45  | 43  |    |    | 43  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 215816 |
| 5°  | 212634 |
| 10° | 203225 |
| 15° | 188219 |
| 20° | 169135 |
| 25° | 148678 |
| 30° | 126450 |
| 35° | 102526 |
| 40° | 77030  |
| 45° | 49618  |
| 50° | 23573  |
| 55° | 18542  |
| 60° | 17542  |
| 65° | 16344  |
| 70° | 14746  |
| 75° | 13386  |
| 80° | 12249  |
| 85° | 12077  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 49618 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.5   | 8.5       |
| 10°-20°   | 231.2  | 21.8      |
| 20°-30°   | 280.8  | 26.4      |
| 30°-40°   | 238.2  | 22.4      |
| 40°-50°   | 123.7  | 11.6      |
| 50°-60°   | 44.6   | 4.2       |
| 60°-70°   | 30.9   | 2.9       |
| 70°-80°   | 16.8   | 1.6       |
| 80°-90°   | 5.3    | 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°    | 602.5  | 56.7      |
| 0°-40°    | 840.7  | 79.2      |
| 0°-60°    | 1009.1 | 95.0      |
| 0°-90°    | 1062.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1062.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 984 |      |
| 5°  | 966 | 91   |
| 15° | 829 | 231  |
| 25° | 614 | 281  |
| 35° | 383 | 238  |
| 45° | 160 | 124  |
| 55° | 48  | 45   |
| 65° | 32  | 31   |
| 75° | 16  | 17   |
| 85° | 5   | 5    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 984.2 |
| 2.5°  | 980.6 |
| 5°    | 966.0 |
| 7.5°  | 944.2 |
| 10°   | 912.7 |
| 12.5° | 872.7 |
| 15°   | 829.1 |
| 17.5° | 779.4 |
| 20°   | 724.8 |
| 22.5° | 669.1 |
| 25°   | 614.5 |
| 27.5° | 557.6 |
| 30°   | 499.4 |
| 32.5° | 441.2 |
| 35°   | 383.0 |
| 37.5° | 326.1 |
| 40°   | 269.1 |
| 42.5° | 214.5 |
| 45°   | 160.0 |
| 47.5° | 106.7 |
| 50°   | 69.1  |
| 52.5° | 53.3  |
| 55°   | 48.5  |
| 57.5° | 43.6  |
| 60°   | 40.0  |
| 62.5° | 35.2  |
| 65°   | 31.5  |
| 67.5° | 26.7  |
| 70°   | 23.0  |
| 72.5° | 19.4  |
| 75°   | 15.8  |
| 77.5° | 12.1  |
| 80°   | 9.7   |
| 82.5° | 7.3   |
| 85°   | 4.8   |
| 87.5° | 2.4   |
| 90°   | 0.0   |

(END OF REPORT)