

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: P1301486

Luminaire Tested: P3A17R50W2N902750DE010 E3DLP1WMH\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1301486  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R50W2N902750DE010 E3DLP1WMH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

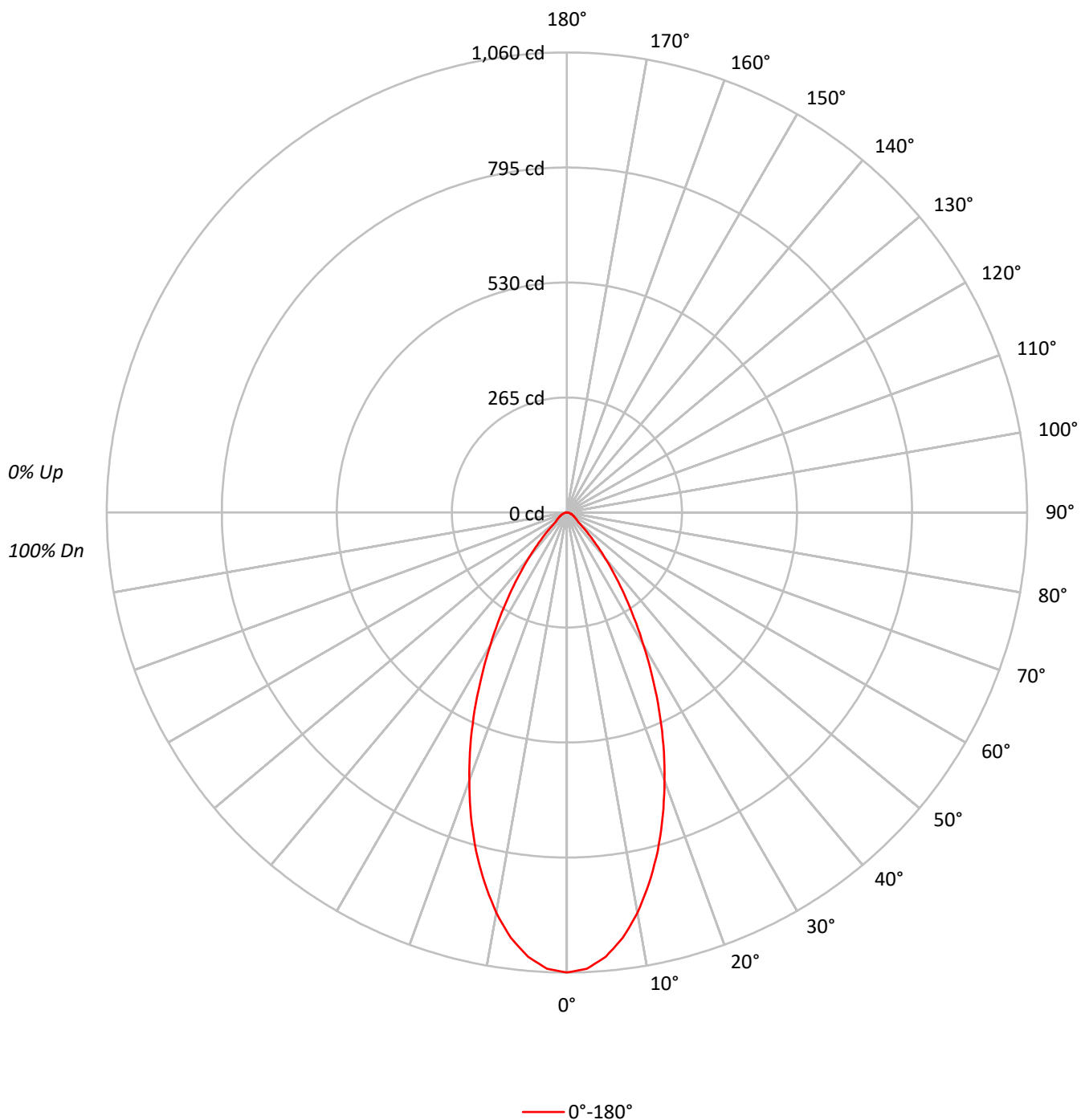
Lumens per Lamp: N/A  
Luminaire Lumens: 799.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  | 95  | 94  | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  | 89  | 87  | 85  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 83  |  | 88  | 85  | 82  |  | 86  | 83  | 81  | 79  |
| 4   | 96  | 88  | 82  | 78  | 94  | 87  | 82  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 81  | 78  | 75  | 73  |
| 5   | 91  | 83  | 76  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 77  | 73  | 70  | 68  |
| 6   | 87  | 77  | 71  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  |  | 74  | 69  | 66  |  | 72  | 68  | 65  | 64  |
| 7   | 82  | 73  | 67  | 62  | 81  | 72  | 66  | 62  | 71  | 66  | 62  |  | 70  | 65  | 61  |  | 68  | 64  | 61  | 60  |
| 8   | 78  | 69  | 63  | 58  | 77  | 68  | 62  | 58  | 67  | 62  | 58  |  | 66  | 61  | 58  |  | 65  | 61  | 57  | 56  |
| 9   | 75  | 65  | 59  | 55  | 74  | 64  | 59  | 55  | 63  | 58  | 55  |  | 63  | 58  | 54  |  | 62  | 57  | 54  | 53  |
| 10  | 71  | 61  | 56  | 52  | 70  | 61  | 55  | 52  | 60  | 55  | 51  |  | 59  | 55  | 51  |  | 59  | 54  | 51  | 50  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 232394 |
| 5°  | 226128 |
| 10° | 208524 |
| 15° | 183384 |
| 20° | 153430 |
| 25° | 121652 |
| 30° | 89254  |
| 35° | 61382  |
| 40° | 39016  |
| 45° | 21801  |
| 50° | 11803  |
| 55° | 9940   |
| 60° | 8552   |
| 65° | 7835   |
| 70° | 6924   |
| 75° | 6439   |
| 80° | 5430   |
| 85° | 5535   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21801 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.2   | 11.9      |
| 10°-20°   | 223.7  | 28.0      |
| 20°-30°   | 228.8  | 28.6      |
| 30°-40°   | 145.1  | 18.2      |
| 40°-50°   | 57.8   | 7.2       |
| 50°-60°   | 23.4   | 2.9       |
| 60°-70°   | 15.0   | 1.9       |
| 70°-80°   | 7.7    | 1.0       |
| 80°-90°   | 2.4    | 0.3       |
| 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°    | 547.7  | 68.5      |
| 0°-40°    | 692.8  | 86.7      |
| 0°-60°    | 774.0  | 96.9      |
| 0°-90°    | 799.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 799.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1060 |      |
| 5°  | 1027 | 95   |
| 15° | 808  | 224  |
| 25° | 503  | 229  |
| 35° | 229  | 145  |
| 45° | 70   | 58   |
| 55° | 26   | 23   |
| 65° | 15   | 15   |
| 75° | 8    | 8    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1059.8 |
| 2.5°  | 1052.2 |
| 5°    | 1027.3 |
| 7.5°  | 988.4  |
| 10°   | 936.5  |
| 12.5° | 874.8  |
| 15°   | 807.8  |
| 17.5° | 734.3  |
| 20°   | 657.5  |
| 22.5° | 580.7  |
| 25°   | 502.8  |
| 27.5° | 425.0  |
| 30°   | 352.5  |
| 32.5° | 287.7  |
| 35°   | 229.3  |
| 37.5° | 179.5  |
| 40°   | 136.3  |
| 42.5° | 100.6  |
| 45°   | 70.3   |
| 47.5° | 47.6   |
| 50°   | 34.6   |
| 52.5° | 29.2   |
| 55°   | 26.0   |
| 57.5° | 22.7   |
| 60°   | 19.5   |
| 62.5° | 17.3   |
| 65°   | 15.1   |
| 67.5° | 13.0   |
| 70°   | 10.8   |
| 72.5° | 8.7    |
| 75°   | 7.6    |
| 77.5° | 5.4    |
| 80°   | 4.3    |
| 82.5° | 3.2    |
| 85°   | 2.2    |
| 87.5° | 1.1    |
| 90°   | 0.0    |

(END OF REPORT)