

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: P1301182

Luminaire Tested: P3A17R45W2N902750DE010 E3DLP1MW\_3000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1301182  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R45W2N902750DE010 E3DLP1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,  
E3DLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

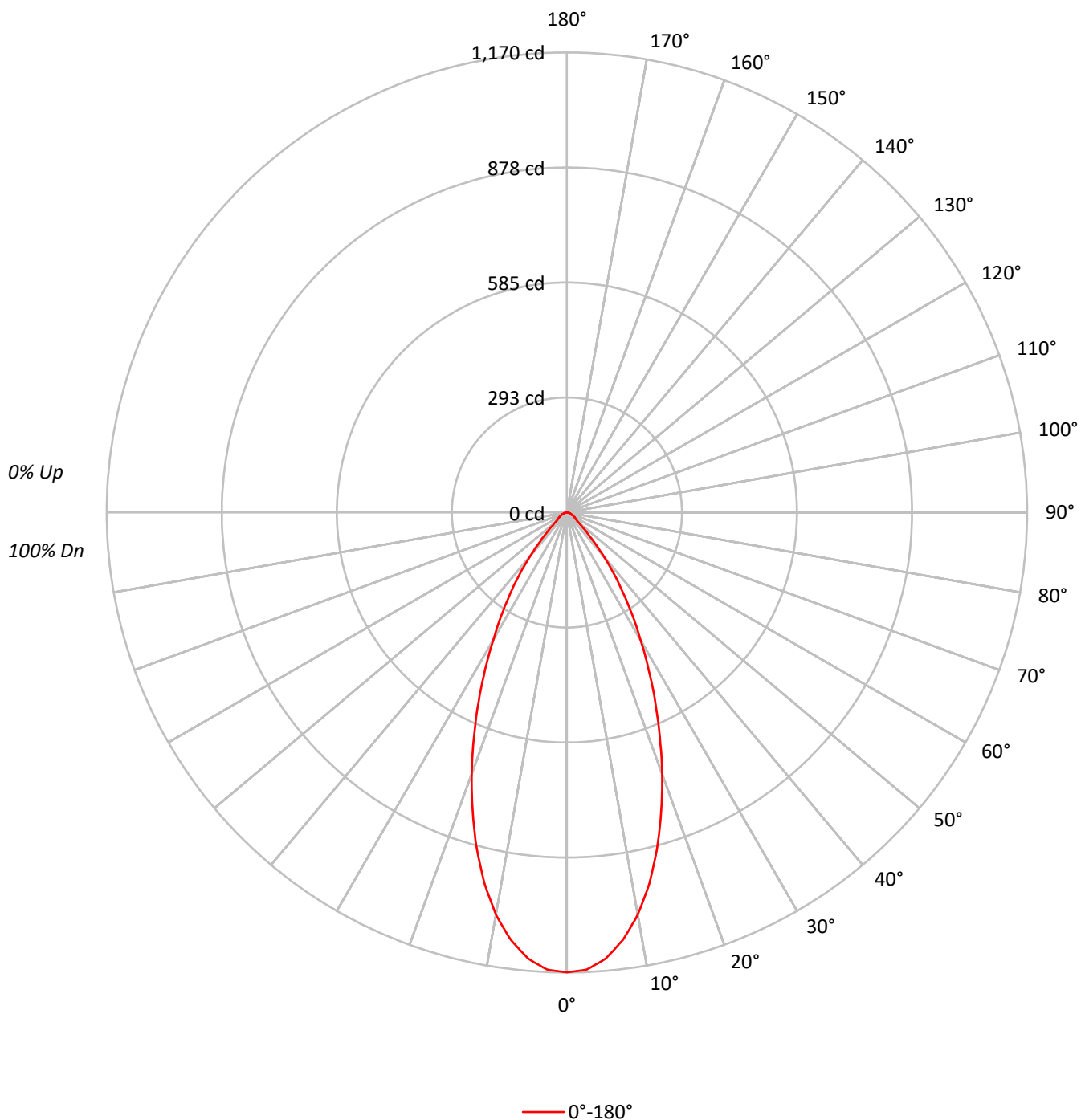
Lumens per Lamp: N/A  
Luminaire Lumens: 861.0 lumens  
Efficiency: N/A  
Efficacy: 44.4 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| 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  | 96  | 94  | 93  |    |    |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 86  |    |    |
| 3   | 102 | 95  | 90  | 85  | 100 | 93  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 79  |    |    |
| 4   | 96  | 88  | 83  | 78  | 94  | 87  | 82  | 78  | 85  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 69  |    |    |
| 6   | 87  | 78  | 72  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 64  |    |    |
| 7   | 83  | 73  | 67  | 63  | 81  | 72  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 61  | 60  |    |    |
| 8   | 79  | 69  | 63  | 59  | 77  | 68  | 63  | 59  | 67  | 62  | 58  | 66  | 62  | 58  | 65  | 61  | 58  | 56  |    |    |
| 9   | 75  | 65  | 59  | 55  | 74  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 53  |    |    |
| 10  | 72  | 62  | 56  | 52  | 71  | 61  | 56  | 52  | 61  | 55  | 52  | 60  | 55  | 52  | 59  | 55  | 52  | 50  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 256449 |
| 5°  | 250605 |
| 10° | 231191 |
| 15° | 201023 |
| 20° | 165144 |
| 25° | 128499 |
| 30° | 94875  |
| 35° | 66762  |
| 40° | 41678  |
| 45° | 22576  |
| 50° | 12213  |
| 55° | 10475  |
| 60° | 9429   |
| 65° | 8042   |
| 70° | 6860   |
| 75° | 7117   |
| 80° | 6061   |
| 85° | 6038   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 22576 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 105.4  | 12.2      |
| 10°-20°   | 244.8  | 28.4      |
| 20°-30°   | 243.0  | 28.2      |
| 30°-40°   | 156.5  | 18.2      |
| 40°-50°   | 60.3   | 7.0       |
| 50°-60°   | 24.5   | 2.8       |
| 60°-70°   | 15.5   | 1.8       |
| 70°-80°   | 8.3    | 1.0       |
| 80°-90°   | 2.6    | 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°    | 593.3  | 68.9      |
| 0°-40°    | 749.8  | 87.1      |
| 0°-60°    | 834.6  | 96.9      |
| 0°-90°    | 861.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 861.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1170 |      |
| 5°  | 1138 | 105  |
| 15° | 886  | 245  |
| 25° | 531  | 243  |
| 35° | 249  | 157  |
| 45° | 73   | 60   |
| 55° | 27   | 25   |
| 65° | 16   | 15   |
| 75° | 8    | 8    |
| 85° | 2    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1169.5 |
| 2.5°  | 1163.6 |
| 5°    | 1138.5 |
| 7.5°  | 1095.6 |
| 10°   | 1038.3 |
| 12.5° | 966.7  |
| 15°   | 885.5  |
| 17.5° | 797.2  |
| 20°   | 707.7  |
| 22.5° | 617.0  |
| 25°   | 531.1  |
| 27.5° | 449.9  |
| 30°   | 374.7  |
| 32.5° | 309.1  |
| 35°   | 249.4  |
| 37.5° | 195.7  |
| 40°   | 145.6  |
| 42.5° | 105.0  |
| 45°   | 72.8   |
| 47.5° | 48.9   |
| 50°   | 35.8   |
| 52.5° | 29.8   |
| 55°   | 27.4   |
| 57.5° | 23.9   |
| 60°   | 21.5   |
| 62.5° | 17.9   |
| 65°   | 15.5   |
| 67.5° | 13.1   |
| 70°   | 10.7   |
| 72.5° | 9.5    |
| 75°   | 8.4    |
| 77.5° | 6.0    |
| 80°   | 4.8    |
| 82.5° | 3.6    |
| 85°   | 2.4    |
| 87.5° | 1.2    |
| 90°   | 0.0    |

(END OF REPORT)