

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: P1297864

Luminaire Tested: P3A13R50W2N902765DE010 E3DLP1WMH\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297864  
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: P3A13R50W2N902765DE010 E3DLP1WMH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

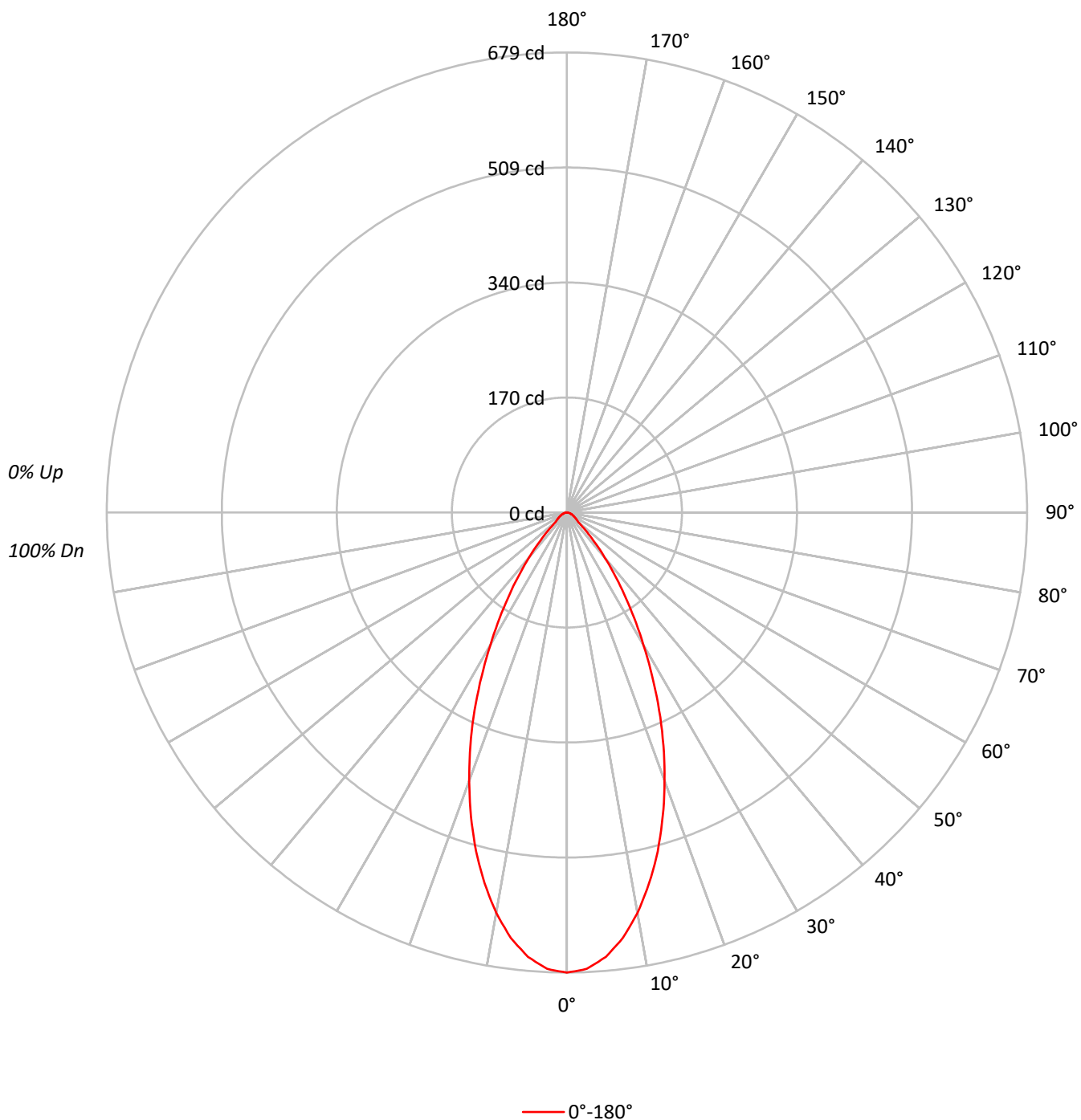
Lumens per Lamp: N/A  
Luminaire Lumens: 512.0 lumens  
Efficiency: N/A  
Efficacy: 41.6 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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  | 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°  | 148914 |
| 5°  | 144904 |
| 10° | 133620 |
| 15° | 117504 |
| 20° | 98312  |
| 25° | 77956  |
| 30° | 57199  |
| 35° | 39324  |
| 40° | 24990  |
| 45° | 13955  |
| 50° | 7573   |
| 55° | 6346   |
| 60° | 5482   |
| 65° | 5033   |
| 70° | 4424   |
| 75° | 4151   |
| 80° | 3536   |
| 85° | 3522   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 13955 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.0   | 11.9      |
| 10°-20°   | 143.4  | 28.0      |
| 20°-30°   | 146.6  | 28.6      |
| 30°-40°   | 93.0   | 18.2      |
| 40°-50°   | 37.0   | 7.2       |
| 50°-60°   | 15.0   | 2.9       |
| 60°-70°   | 9.6    | 1.9       |
| 70°-80°   | 4.9    | 1.0       |
| 80°-90°   | 1.5    | 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       |
| 0°-30°    | 351.0  | 68.5      |
| 0°-40°    | 443.9  | 86.7      |
| 0°-60°    | 495.9  | 96.9      |
| 0°-90°    | 512.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 512.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 679 |      |
| 5°  | 658 | 61   |
| 15° | 518 | 143  |
| 25° | 322 | 147  |
| 35° | 147 | 93   |
| 45° | 45  | 37   |
| 55° | 17  | 15   |
| 65° | 10  | 10   |
| 75° | 5   | 5    |
| 85° | 1   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 679.1 |
| 2.5°  | 674.2 |
| 5°    | 658.3 |
| 7.5°  | 633.4 |
| 10°   | 600.1 |
| 12.5° | 560.6 |
| 15°   | 517.6 |
| 17.5° | 470.5 |
| 20°   | 421.3 |
| 22.5° | 372.1 |
| 25°   | 322.2 |
| 27.5° | 272.3 |
| 30°   | 225.9 |
| 32.5° | 184.3 |
| 35°   | 146.9 |
| 37.5° | 115.0 |
| 40°   | 87.3  |
| 42.5° | 64.4  |
| 45°   | 45.0  |
| 47.5° | 30.5  |
| 50°   | 22.2  |
| 52.5° | 18.7  |
| 55°   | 16.6  |
| 57.5° | 14.6  |
| 60°   | 12.5  |
| 62.5° | 11.1  |
| 65°   | 9.7   |
| 67.5° | 8.3   |
| 70°   | 6.9   |
| 72.5° | 5.5   |
| 75°   | 4.9   |
| 77.5° | 3.5   |
| 80°   | 2.8   |
| 82.5° | 2.1   |
| 85°   | 1.4   |
| 87.5° | 0.7   |
| 90°   | 0.0   |

(END OF REPORT)