

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: P1297828

Luminaire Tested: P3A13R50W2N902765DE010 E3DLD1WMH\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297828  
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: P3A13R50W2N902765DE010 E3DLD1WMH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

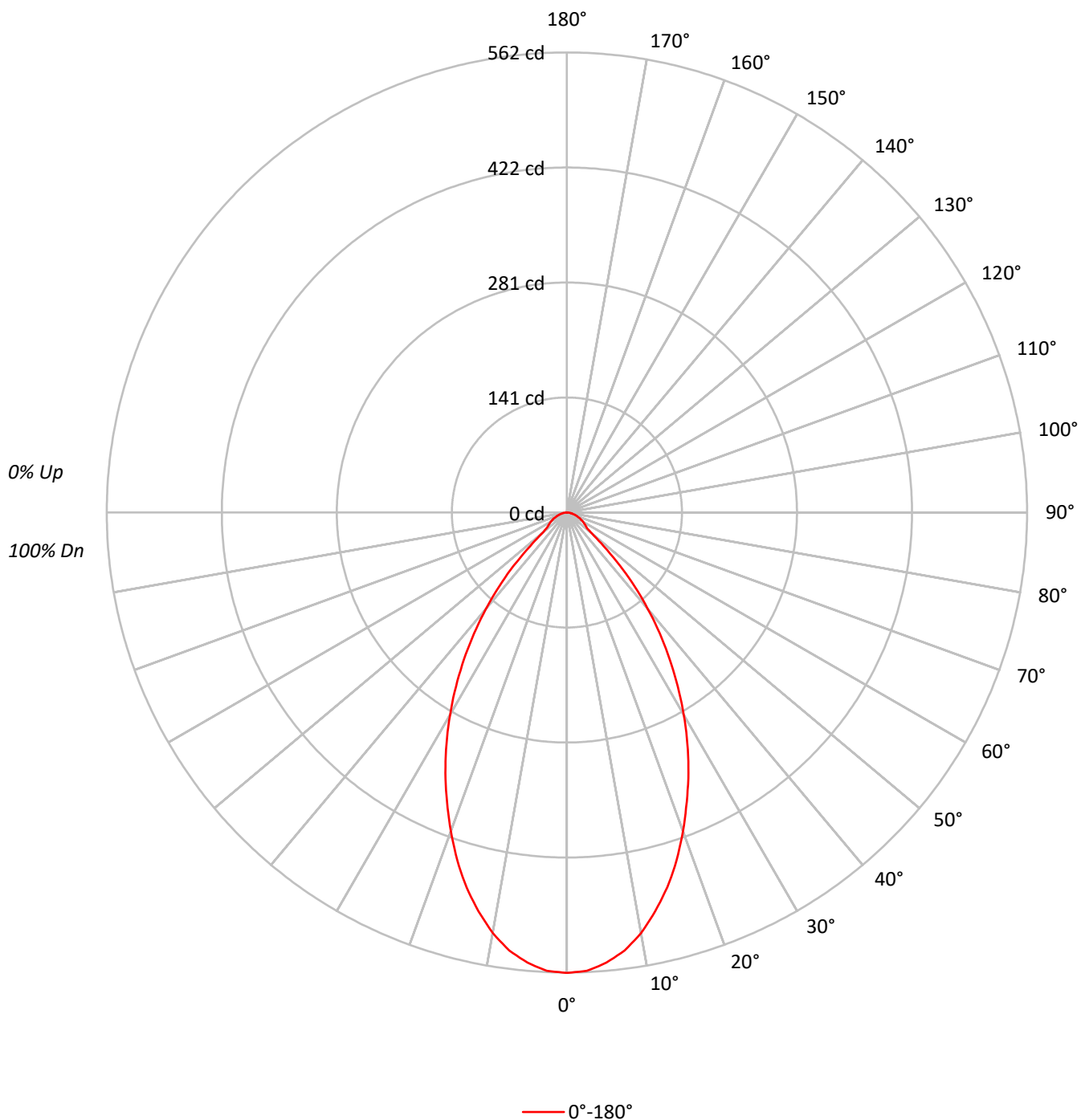
Lumens per Lamp: N/A  
Luminaire Lumens: 607.0 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 95  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  |  | 85  | 81  | 78  |  | 83  |
| 4   | 93  | 85  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  |  | 69  | 64  | 60  |  | 67  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 51  |  | 59  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  |  | 54  | 48  | 45  |  | 53  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 123345 |
| 5°  | 121527 |
| 10° | 116164 |
| 15° | 107583 |
| 20° | 96678  |
| 25° | 84973  |
| 30° | 72264  |
| 35° | 58598  |
| 40° | 44025  |
| 45° | 28344  |
| 50° | 13475  |
| 55° | 10590  |
| 60° | 10043  |
| 65° | 9340   |
| 70° | 8463   |
| 75° | 7625   |
| 80° | 6945   |
| 85° | 7045   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28344 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.8   | 8.5       |
| 10°-20°   | 132.1  | 21.8      |
| 20°-30°   | 160.5  | 26.4      |
| 30°-40°   | 136.1  | 22.4      |
| 40°-50°   | 70.7   | 11.6      |
| 50°-60°   | 25.5   | 4.2       |
| 60°-70°   | 17.6   | 2.9       |
| 70°-80°   | 9.6    | 1.6       |
| 80°-90°   | 3.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 344.4  | 56.7      |
| 0°-40°    | 480.5  | 79.2      |
| 0°-60°    | 576.8  | 95.0      |
| 0°-90°    | 607.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 607.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 562 |      |
| 5°  | 552 | 52   |
| 15° | 474 | 132  |
| 25° | 351 | 161  |
| 35° | 219 | 136  |
| 45° | 91  | 71   |
| 55° | 28  | 26   |
| 65° | 18  | 18   |
| 75° | 9   | 10   |
| 85° | 3   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 562.5 |
| 2.5°  | 560.5 |
| 5°    | 552.1 |
| 7.5°  | 539.7 |
| 10°   | 521.7 |
| 12.5° | 498.8 |
| 15°   | 473.9 |
| 17.5° | 445.5 |
| 20°   | 414.3 |
| 22.5° | 382.4 |
| 25°   | 351.2 |
| 27.5° | 318.7 |
| 30°   | 285.4 |
| 32.5° | 252.2 |
| 35°   | 218.9 |
| 37.5° | 186.4 |
| 40°   | 153.8 |
| 42.5° | 122.6 |
| 45°   | 91.4  |
| 47.5° | 61.0  |
| 50°   | 39.5  |
| 52.5° | 30.5  |
| 55°   | 27.7  |
| 57.5° | 24.9  |
| 60°   | 22.9  |
| 62.5° | 20.1  |
| 65°   | 18.0  |
| 67.5° | 15.2  |
| 70°   | 13.2  |
| 72.5° | 11.1  |
| 75°   | 9.0   |
| 77.5° | 6.9   |
| 80°   | 5.5   |
| 82.5° | 4.2   |
| 85°   | 2.8   |
| 87.5° | 1.4   |
| 90°   | 0.0   |

(END OF REPORT)