

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: P1297795

Luminaire Tested: P3A13R50W2N902765DE010 E3DL1WMH\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R50W2N902765DE010 E3DL1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

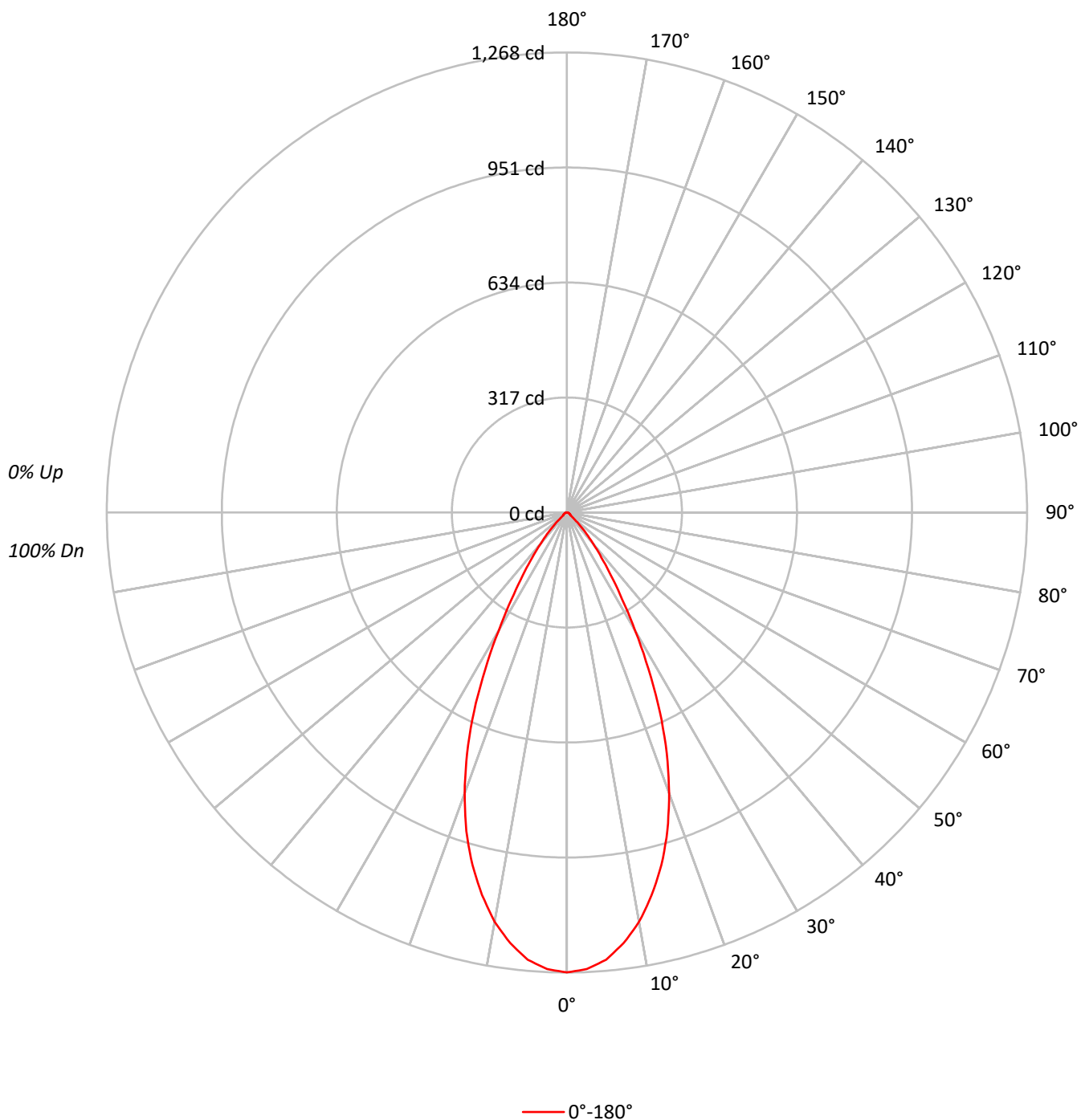
Lumens per Lamp: N/A  
Luminaire Lumens: 873.1 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1297795

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DL1WMH\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1297795

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DL1WMH\_4000K

**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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 88  |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  |  | 85  | 82  | 79  |  | 84  |
| 5   | 93  | 85  | 80  | 75  | 92  | 84  | 79  | 75  | 83  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 6   | 89  | 80  | 75  | 71  | 88  | 80  | 74  | 70  | 78  | 73  | 70  |  | 77  | 73  | 69  |  | 75  |
| 7   | 85  | 76  | 70  | 66  | 84  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  |
| 8   | 81  | 72  | 66  | 62  | 80  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 9   | 78  | 68  | 63  | 59  | 76  | 68  | 62  | 59  | 67  | 62  | 59  |  | 66  | 62  | 58  |  | 65  |
| 10  | 74  | 65  | 59  | 56  | 73  | 65  | 59  | 56  | 64  | 59  | 55  |  | 63  | 58  | 55  |  | 62  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 277938 |
| 5°  | 272352 |
| 10° | 255105 |
| 15° | 228378 |
| 20° | 192190 |
| 25° | 146670 |
| 30° | 95331  |
| 35° | 56510  |
| 40° | 32661  |
| 45° | 16374  |
| 50° | 6106   |
| 55° | 4741   |
| 60° | 4429   |
| 65° | 4047   |
| 70° | 3975   |
| 75° | 3982   |
| 80° | 3915   |
| 85° | 4026   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16374 cd/sqm

TEST NUMBER: P1297795

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DL1WMH\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 115.1  | 13.2      |
| 10°-20°   | 278.2  | 31.9      |
| 20°-30°   | 272.9  | 31.3      |
| 30°-40°   | 137.5  | 15.7      |
| 40°-50°   | 43.5   | 5.0       |
| 50°-60°   | 11.3   | 1.3       |
| 60°-70°   | 8.0    | 0.9       |
| 70°-80°   | 4.9    | 0.6       |
| 80°-90°   | 1.7    | 0.2       |
| 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°    | 666.2  | 76.3      |
| 0°-40°    | 803.7  | 92.1      |
| 0°-60°    | 858.5  | 98.3      |
| 0°-90°    | 873.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 873.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1268 |      |
| 5°  | 1237 | 115  |
| 15° | 1006 | 278  |
| 25° | 606  | 273  |
| 35° | 211  | 137  |
| 45° | 53   | 43   |
| 55° | 12   | 11   |
| 65° | 8    | 8    |
| 75° | 5    | 5    |
| 85° | 2    | 2    |
| 90° | 0    |      |

TEST NUMBER: P1297795

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DL1WMH\_4000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1267.5 |
| 2.5°  | 1259.8 |
| 5°    | 1237.3 |
| 7.5°  | 1196.9 |
| 10°   | 1145.7 |
| 12.5° | 1079.7 |
| 15°   | 1006.0 |
| 17.5° | 920.6  |
| 20°   | 823.6  |
| 22.5° | 718.8  |
| 25°   | 606.2  |
| 27.5° | 486.7  |
| 30°   | 376.5  |
| 32.5° | 283.3  |
| 35°   | 211.1  |
| 37.5° | 156.0  |
| 40°   | 114.1  |
| 42.5° | 80.7   |
| 45°   | 52.8   |
| 47.5° | 30.3   |
| 50°   | 17.9   |
| 52.5° | 13.2   |
| 55°   | 12.4   |
| 57.5° | 10.9   |
| 60°   | 10.1   |
| 62.5° | 9.3    |
| 65°   | 7.8    |
| 67.5° | 7.0    |
| 70°   | 6.2    |
| 72.5° | 5.4    |
| 75°   | 4.7    |
| 77.5° | 3.9    |
| 80°   | 3.1    |
| 82.5° | 2.3    |
| 85°   | 1.6    |
| 87.5° | 0.8    |
| 90°   | 0.0    |

(END OF REPORT)