

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: P1297367

Luminaire Tested: P3A13R45W2N902750DE010 E3DLD1WMH\_3000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R45W2N902750DE010 E3DLD1WMH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,  
E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

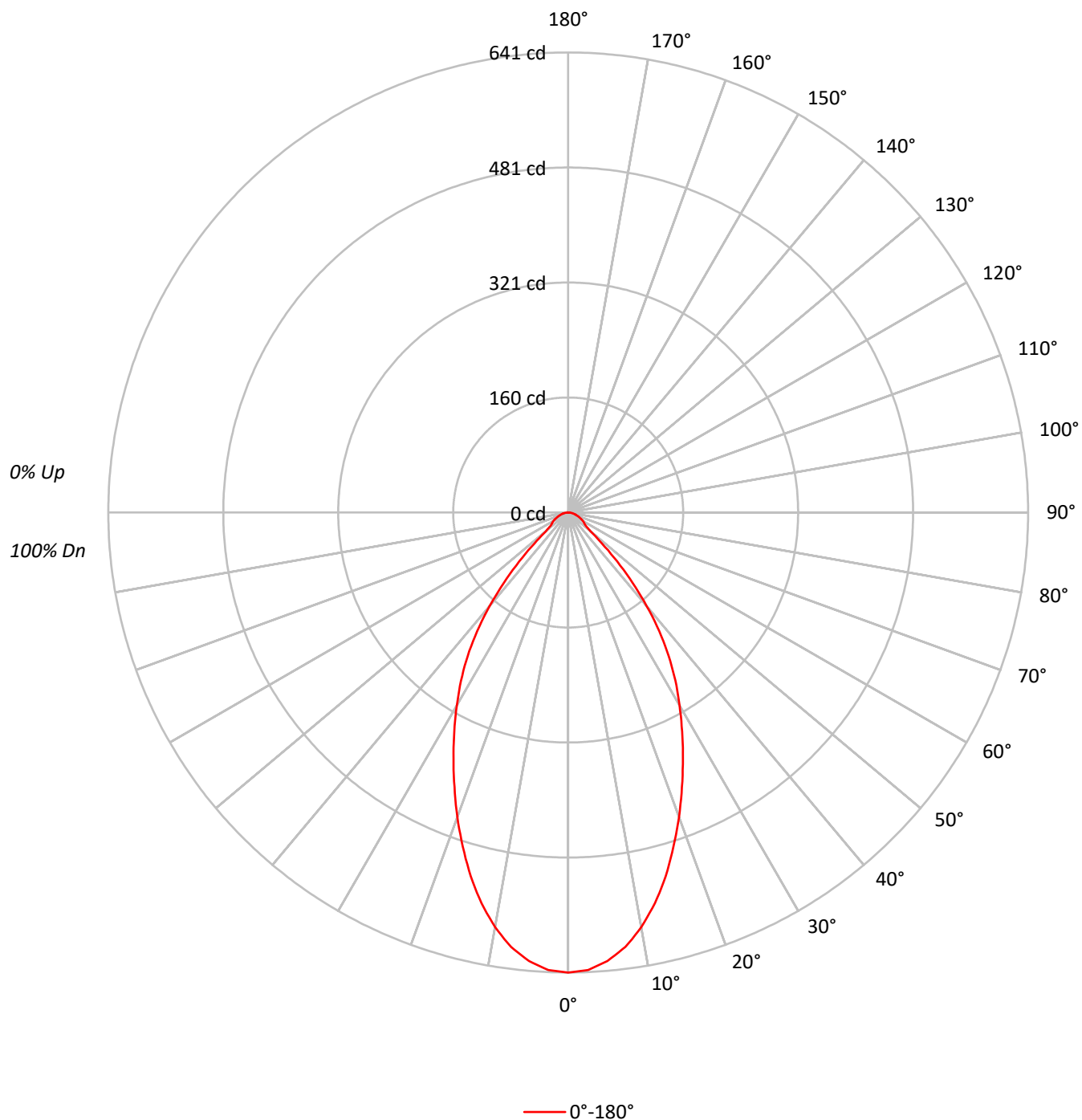
Lumens per Lamp: N/A  
Luminaire Lumens: 663.0 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1297367

CATALOG NUMBER: P3A13R45W2N902750DE010 E3DLD1WMH\_3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1297367

CATALOG NUMBER: P3A13R45W2N902750DE010 E3DLD1WMH\_3000K

**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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 96  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  |
| 3   | 99  | 92  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 83  | 80  |  | 85  | 81  | 78  |  | 83  |
| 4   | 94  | 85  | 78  | 74  | 92  | 84  | 78  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 66  | 61  | 71  | 65  | 61  |  | 69  | 64  | 60  |  | 68  |
| 7   | 78  | 68  | 61  | 57  | 77  | 67  | 61  | 56  | 66  | 60  | 56  |  | 65  | 60  | 56  |  | 64  |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 140581 |
| 5°  | 138080 |
| 10° | 130659 |
| 15° | 119161 |
| 20° | 105382 |
| 25° | 91505  |
| 30° | 78544  |
| 35° | 65451  |
| 40° | 48777  |
| 45° | 29864  |
| 50° | 13816  |
| 55° | 10819  |
| 60° | 10394  |
| 65° | 9495   |
| 70° | 8848   |
| 75° | 8388   |
| 80° | 7703   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29864 cd/sqm

TEST NUMBER: P1297367

CATALOG NUMBER: P3A13R45W2N902750DE010 E3DLD1WMH\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.6   | 8.8       |
| 10°-20°   | 146.1  | 22.0      |
| 20°-30°   | 173.6  | 26.2      |
| 30°-40°   | 150.9  | 22.8      |
| 40°-50°   | 75.7   | 11.4      |
| 50°-60°   | 26.3   | 4.0       |
| 60°-70°   | 18.4   | 2.8       |
| 70°-80°   | 10.3   | 1.5       |
| 80°-90°   | 3.1    | 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       |
| 0°-30°    | 378.4  | 57.1      |
| 0°-40°    | 529.2  | 79.8      |
| 0°-60°    | 631.2  | 95.2      |
| 0°-90°    | 663.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 663.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 641 |      |
| 5°  | 627 | 59   |
| 15° | 525 | 146  |
| 25° | 378 | 174  |
| 35° | 244 | 151  |
| 45° | 96  | 76   |
| 55° | 28  | 26   |
| 65° | 18  | 18   |
| 75° | 10  | 10   |
| 85° | 2   | 3    |
| 90° | 0   |      |

TEST NUMBER: P1297367

CATALOG NUMBER: P3A13R45W2N902750DE010 E3DLD1WMH\_3000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 641.1 |
| 2.5°  | 638.0 |
| 5°    | 627.3 |
| 7.5°  | 610.5 |
| 10°   | 586.8 |
| 12.5° | 557.8 |
| 15°   | 524.9 |
| 17.5° | 488.2 |
| 20°   | 451.6 |
| 22.5° | 414.1 |
| 25°   | 378.2 |
| 27.5° | 343.8 |
| 30°   | 310.2 |
| 32.5° | 278.1 |
| 35°   | 244.5 |
| 37.5° | 208.6 |
| 40°   | 170.4 |
| 42.5° | 132.9 |
| 45°   | 96.3  |
| 47.5° | 63.4  |
| 50°   | 40.5  |
| 52.5° | 31.3  |
| 55°   | 28.3  |
| 57.5° | 26.0  |
| 60°   | 23.7  |
| 62.5° | 21.4  |
| 65°   | 18.3  |
| 67.5° | 16.0  |
| 70°   | 13.8  |
| 72.5° | 11.5  |
| 75°   | 9.9   |
| 77.5° | 7.6   |
| 80°   | 6.1   |
| 82.5° | 4.6   |
| 85°   | 2.3   |
| 87.5° | 1.5   |
| 90°   | 0.0   |

(END OF REPORT)