

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: P1298289

Luminaire Tested: P3A13R60W2N902750DE010 E3DLD1MW\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R60W2N902750DE010 E3DLD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,  
E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

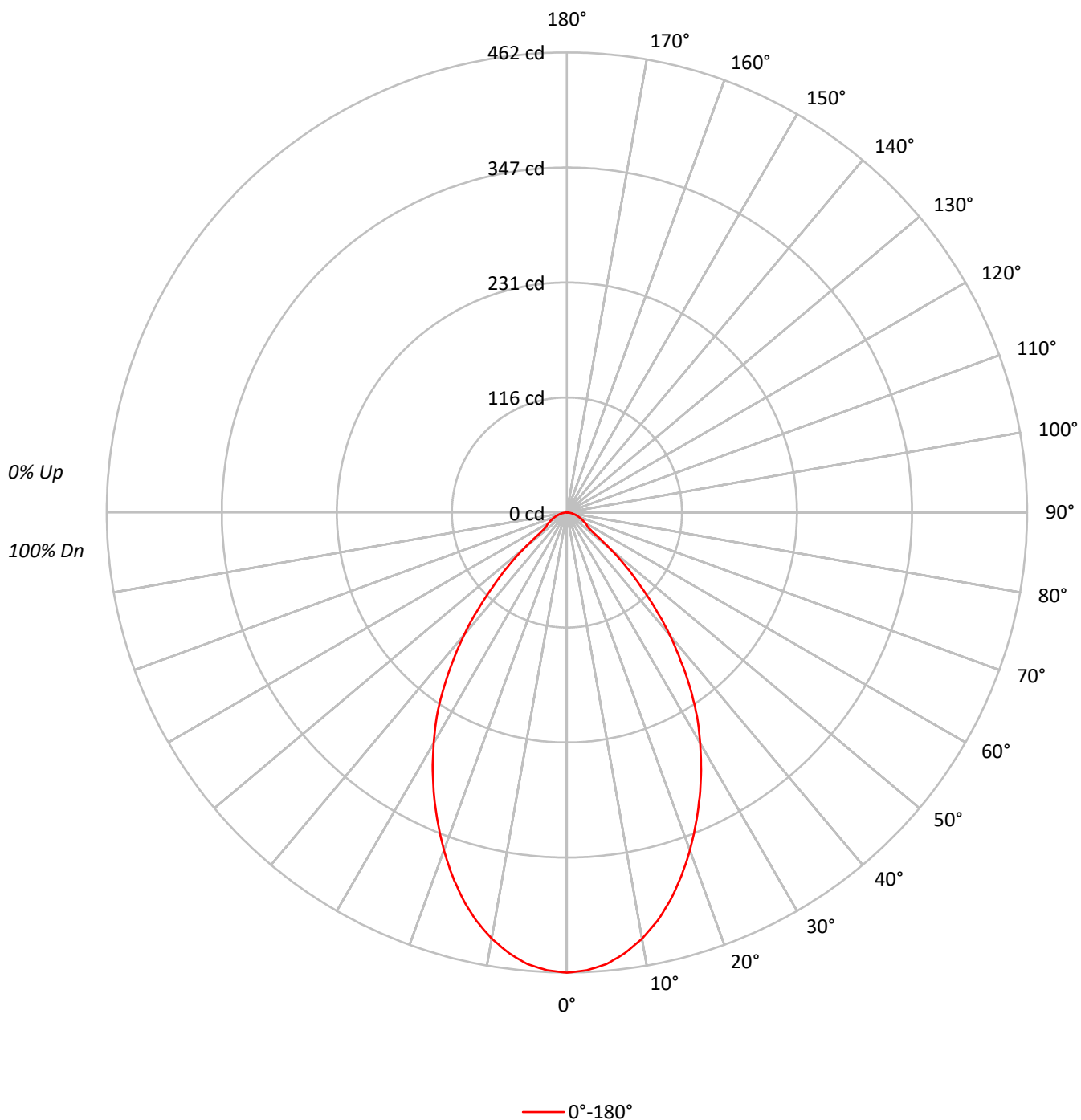
Lumens per Lamp: N/A  
Luminaire Lumens: 571.0 lumens  
Efficiency: N/A  
Efficacy: 46.4 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 102 | 100 | 98  |  | 99  | 97  | 95  |  | 95  | 94  | 93  | 91  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  |  | 91  | 88  | 85  |  | 88  | 86  | 84  | 82  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 79  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  | 78  | 76  | 74  |
| 4   | 92  | 83  | 77  | 72  | 90  | 82  | 76  | 71  | 80  | 75  | 70  |  | 78  | 73  | 70  |  | 76  | 72  | 69  | 67  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  |  | 72  | 67  | 63  |  | 71  | 66  | 63  | 61  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  | 61  | 58  | 56  |
| 7   | 77  | 66  | 59  | 54  | 75  | 65  | 59  | 54  | 64  | 58  | 54  |  | 63  | 57  | 53  |  | 61  | 57  | 53  | 51  |
| 8   | 72  | 61  | 55  | 50  | 71  | 61  | 54  | 50  | 60  | 54  | 49  |  | 59  | 53  | 49  |  | 58  | 53  | 49  | 47  |
| 9   | 68  | 57  | 51  | 46  | 67  | 57  | 50  | 46  | 56  | 50  | 46  |  | 55  | 49  | 46  |  | 54  | 49  | 45  | 44  |
| 10  | 65  | 54  | 47  | 43  | 64  | 53  | 47  | 43  | 52  | 47  | 43  |  | 52  | 46  | 42  |  | 51  | 46  | 42  | 41  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 101352 |
| 5°  | 100220 |
| 10° | 96747  |
| 15° | 91397  |
| 20° | 84264  |
| 25° | 76287  |
| 30° | 67732  |
| 35° | 57875  |
| 40° | 46029  |
| 45° | 32437  |
| 50° | 19377  |
| 55° | 9787   |
| 60° | 9429   |
| 65° | 8613   |
| 70° | 8014   |
| 75° | 7625   |
| 80° | 6945   |
| 85° | 5284   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32437 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.8   | 7.5       |
| 10°-20°   | 112.5  | 19.7      |
| 20°-30°   | 144.5  | 25.3      |
| 30°-40°   | 133.9  | 23.5      |
| 40°-50°   | 81.6   | 14.3      |
| 50°-60°   | 27.2   | 4.8       |
| 60°-70°   | 16.5   | 2.9       |
| 70°-80°   | 9.3    | 1.6       |
| 80°-90°   | 2.7    | 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°    | 299.8  | 52.5      |
| 0°-40°    | 433.8  | 76.0      |
| 0°-60°    | 542.5  | 95.0      |
| 0°-90°    | 571.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 571.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 462 |      |
| 5°  | 455 | 43   |
| 15° | 403 | 113  |
| 25° | 315 | 144  |
| 35° | 216 | 134  |
| 45° | 105 | 82   |
| 55° | 26  | 27   |
| 65° | 17  | 17   |
| 75° | 9   | 9    |
| 85° | 2   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 462.2 |
| 2.5°  | 460.2 |
| 5°    | 455.3 |
| 7.5°  | 446.3 |
| 10°   | 434.5 |
| 12.5° | 420.0 |
| 15°   | 402.6 |
| 17.5° | 382.5 |
| 20°   | 361.1 |
| 22.5° | 338.2 |
| 25°   | 315.3 |
| 27.5° | 291.8 |
| 30°   | 267.5 |
| 32.5° | 243.2 |
| 35°   | 216.2 |
| 37.5° | 187.8 |
| 40°   | 160.8 |
| 42.5° | 132.4 |
| 45°   | 104.6 |
| 47.5° | 81.1  |
| 50°   | 56.8  |
| 52.5° | 34.0  |
| 55°   | 25.6  |
| 57.5° | 23.6  |
| 60°   | 21.5  |
| 62.5° | 18.7  |
| 65°   | 16.6  |
| 67.5° | 14.6  |
| 70°   | 12.5  |
| 72.5° | 10.4  |
| 75°   | 9.0   |
| 77.5° | 6.9   |
| 80°   | 5.5   |
| 82.5° | 3.5   |
| 85°   | 2.1   |
| 87.5° | 1.4   |
| 90°   | 0.0   |

(END OF REPORT)