

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: P1295409

Luminaire Tested: P3A13R15W2N902750DE010 E3DLD1MW\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1295409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R15W2N902750DE010 E3DLD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,  
E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

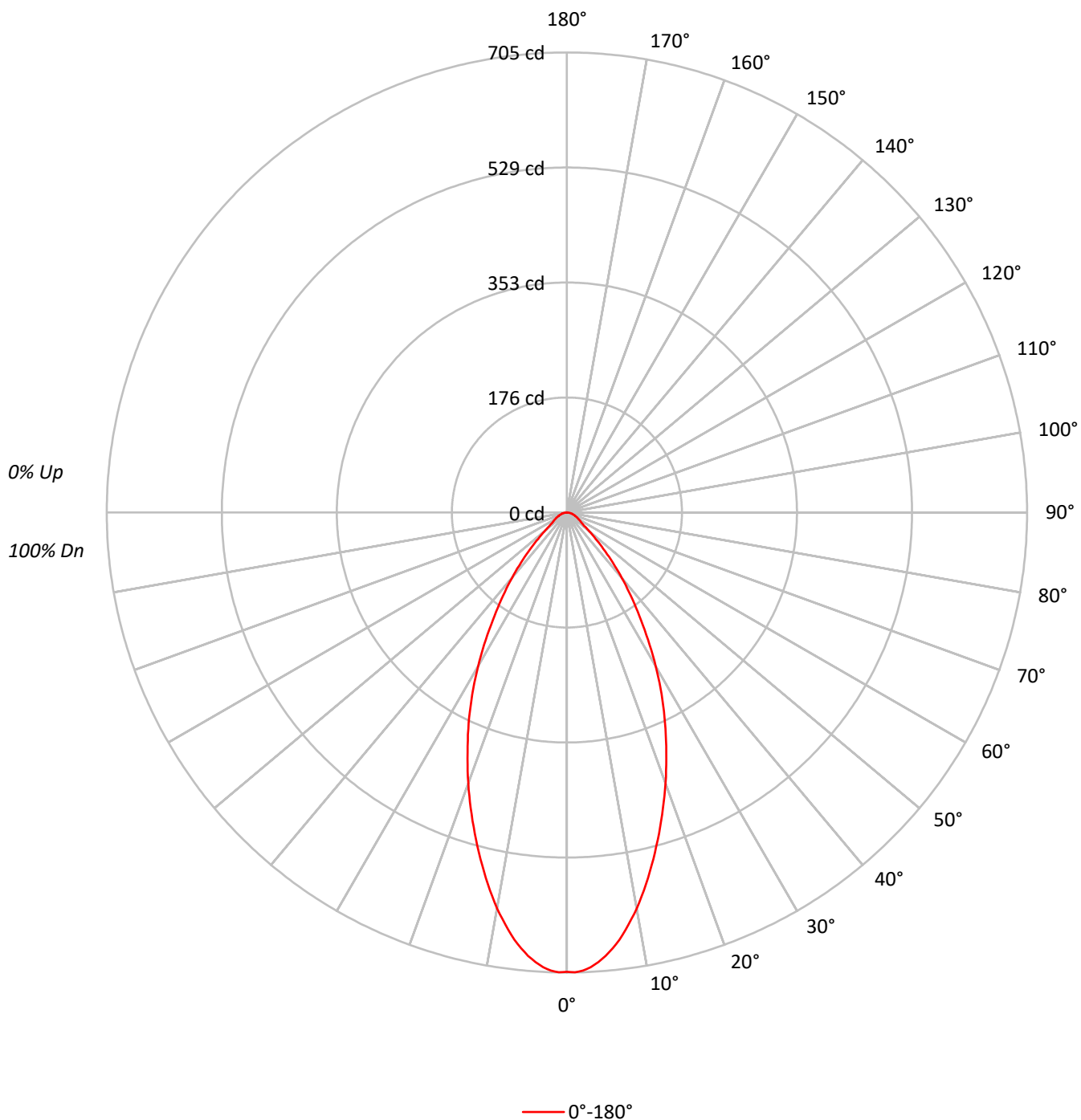
Lumens per Lamp: N/A  
Luminaire Lumens: 612.0 lumens  
Efficiency: N/A  
Efficacy: 49.8 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |    |    |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 95  | 91  | 95  | 92  | 89  | 92  | 90  | 87  | 90  | 87  | 85  | 83  |    |    |
| 3   | 100 | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 89  | 84  | 81  | 86  | 82  | 79  | 84  | 81  | 78  | 76  |    |    |
| 4   | 94  | 86  | 80  | 75  | 92  | 85  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 73  | 78  | 75  | 72  | 70  |    |    |
| 5   | 89  | 80  | 73  | 68  | 87  | 79  | 73  | 68  | 77  | 72  | 67  | 75  | 71  | 67  | 74  | 69  | 66  | 65  |    |    |
| 6   | 84  | 74  | 68  | 63  | 83  | 73  | 67  | 63  | 72  | 66  | 62  | 70  | 66  | 62  | 69  | 65  | 61  | 60  |    |    |
| 7   | 80  | 69  | 63  | 58  | 78  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 56  |    |    |
| 8   | 76  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 53  | 52  |    |    |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 49  |    |    |
| 10  | 68  | 58  | 52  | 48  | 67  | 57  | 51  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 46  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 154374 |
| 5°  | 150187 |
| 10° | 137250 |
| 15° | 120205 |
| 20° | 103119 |
| 25° | 86110  |
| 30° | 68897  |
| 35° | 51691  |
| 40° | 37499  |
| 45° | 24530  |
| 50° | 15351  |
| 55° | 10360  |
| 60° | 9166   |
| 65° | 8457   |
| 70° | 7950   |
| 75° | 7202   |
| 80° | 6819   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 24530 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.0   | 10.3      |
| 10°-20°   | 147.5  | 24.1      |
| 20°-30°   | 162.6  | 26.6      |
| 30°-40°   | 121.7  | 19.9      |
| 40°-50°   | 63.1   | 10.3      |
| 50°-60°   | 26.1   | 4.3       |
| 60°-70°   | 16.2   | 2.6       |
| 70°-80°   | 9.1    | 1.5       |
| 80°-90°   | 2.6    | 0.4       |
| 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°    | 373.1  | 61.0      |
| 0°-40°    | 494.8  | 80.9      |
| 0°-60°    | 584.0  | 95.4      |
| 0°-90°    | 612.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 612.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 704 |      |
| 5°  | 682 | 63   |
| 15° | 530 | 148  |
| 25° | 356 | 163  |
| 35° | 193 | 122  |
| 45° | 79  | 63   |
| 55° | 27  | 26   |
| 65° | 16  | 16   |
| 75° | 8   | 9    |
| 85° | 2   | 3    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 704.0 |
| 1°    | 704.8 |
| 2°    | 702.4 |
| 3°    | 697.8 |
| 4°    | 690.8 |
| 5°    | 682.3 |
| 6°    | 671.4 |
| 7°    | 659.8 |
| 8°    | 645.8 |
| 9°    | 631.1 |
| 10°   | 616.4 |
| 12.5° | 573.7 |
| 15°   | 529.5 |
| 17.5° | 485.3 |
| 20°   | 441.9 |
| 22.5° | 397.7 |
| 25°   | 355.9 |
| 27.5° | 314.0 |
| 30°   | 272.1 |
| 32.5° | 231.0 |
| 35°   | 193.1 |
| 37.5° | 160.5 |
| 40°   | 131.0 |
| 42.5° | 103.9 |
| 45°   | 79.1  |
| 47.5° | 59.7  |
| 50°   | 45.0  |
| 52.5° | 33.3  |
| 55°   | 27.1  |
| 57.5° | 24.0  |
| 60°   | 20.9  |
| 62.5° | 18.6  |
| 65°   | 16.3  |
| 67.5° | 14.0  |
| 70°   | 12.4  |
| 72.5° | 10.1  |
| 75°   | 8.5   |
| 77.5° | 7.0   |
| 80°   | 5.4   |
| 82.5° | 3.9   |
| 85°   | 2.3   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)