

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: P1298136

Luminaire Tested: P3A13R55W2N902765DE010 E3DLD1MW\_3000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R55W2N902765DE010 E3DLD1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

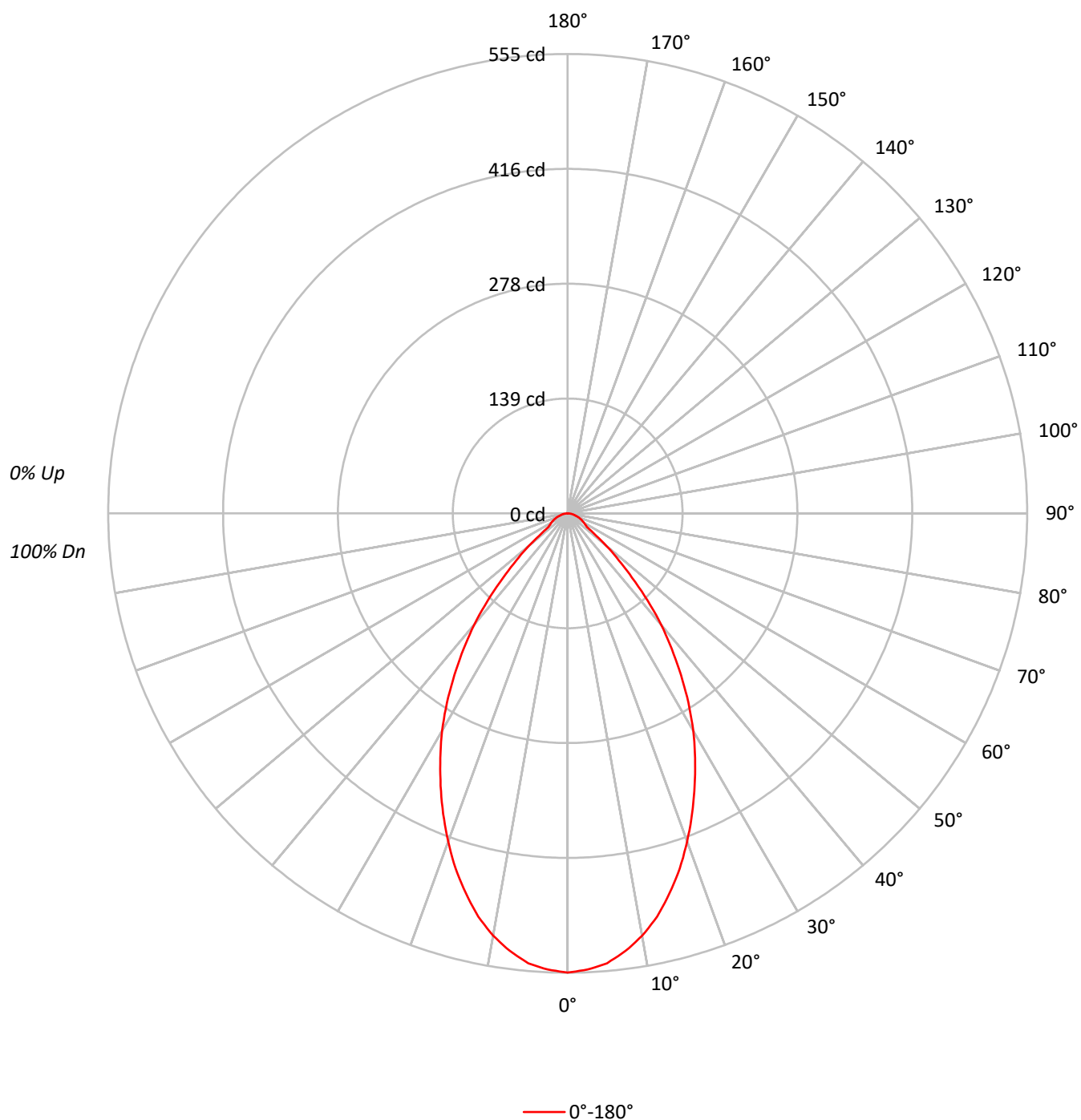
Lumens per Lamp: N/A  
Luminaire Lumens: 647.0 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 100 | 98  |  | 99  | 97  | 96  |  | 95  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  |  | 91  | 88  | 86  |  | 89  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 77  |  | 82  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 76  |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  |  | 59  | 54  | 50  |  | 58  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  |  | 56  | 50  | 46  |  | 55  |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 52  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 121657 |
| 5°  | 120097 |
| 10° | 115362 |
| 15° | 107901 |
| 20° | 98429  |
| 25° | 87828  |
| 30° | 76822  |
| 35° | 63818  |
| 40° | 50323  |
| 45° | 34112  |
| 50° | 20844  |
| 55° | 10819  |
| 60° | 10043  |
| 65° | 9495   |
| 70° | 8848   |
| 75° | 7795   |
| 80° | 7703   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 34112 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.2   | 7.9       |
| 10°-20°   | 132.8  | 20.5      |
| 20°-30°   | 166.4  | 25.7      |
| 30°-40°   | 148.5  | 23.0      |
| 40°-50°   | 87.0   | 13.4      |
| 50°-60°   | 30.0   | 4.6       |
| 60°-70°   | 18.1   | 2.8       |
| 70°-80°   | 10.1   | 1.6       |
| 80°-90°   | 2.9    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 350.4  | 54.2      |
| 0°-40°    | 498.9  | 77.1      |
| 0°-60°    | 615.9  | 95.2      |
| 0°-90°    | 647.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 647.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 555 |      |
| 5°  | 546 | 51   |
| 15° | 475 | 133  |
| 25° | 363 | 166  |
| 35° | 238 | 149  |
| 45° | 110 | 87   |
| 55° | 28  | 30   |
| 65° | 18  | 18   |
| 75° | 9   | 10   |
| 85° | 2   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 554.8 |
| 2.5°  | 551.7 |
| 5°    | 545.6 |
| 7.5°  | 533.4 |
| 10°   | 518.1 |
| 12.5° | 499.0 |
| 15°   | 475.3 |
| 17.5° | 450.1 |
| 20°   | 421.8 |
| 22.5° | 392.8 |
| 25°   | 363.0 |
| 27.5° | 333.2 |
| 30°   | 303.4 |
| 32.5° | 271.3 |
| 35°   | 238.4 |
| 37.5° | 206.3 |
| 40°   | 175.8 |
| 42.5° | 142.9 |
| 45°   | 110.0 |
| 47.5° | 84.1  |
| 50°   | 61.1  |
| 52.5° | 39.7  |
| 55°   | 28.3  |
| 57.5° | 25.2  |
| 60°   | 22.9  |
| 62.5° | 20.6  |
| 65°   | 18.3  |
| 67.5° | 16.0  |
| 70°   | 13.8  |
| 72.5° | 11.5  |
| 75°   | 9.2   |
| 77.5° | 7.6   |
| 80°   | 6.1   |
| 82.5° | 3.8   |
| 85°   | 2.3   |
| 87.5° | 1.5   |
| 90°   | 0.0   |

(END OF REPORT)