

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: P1290031

Luminaire Tested: P3A05R50W2N902750DE010 E3DL1MW\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1290031  
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: P3A05R50W2N902750DE010 E3DL1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

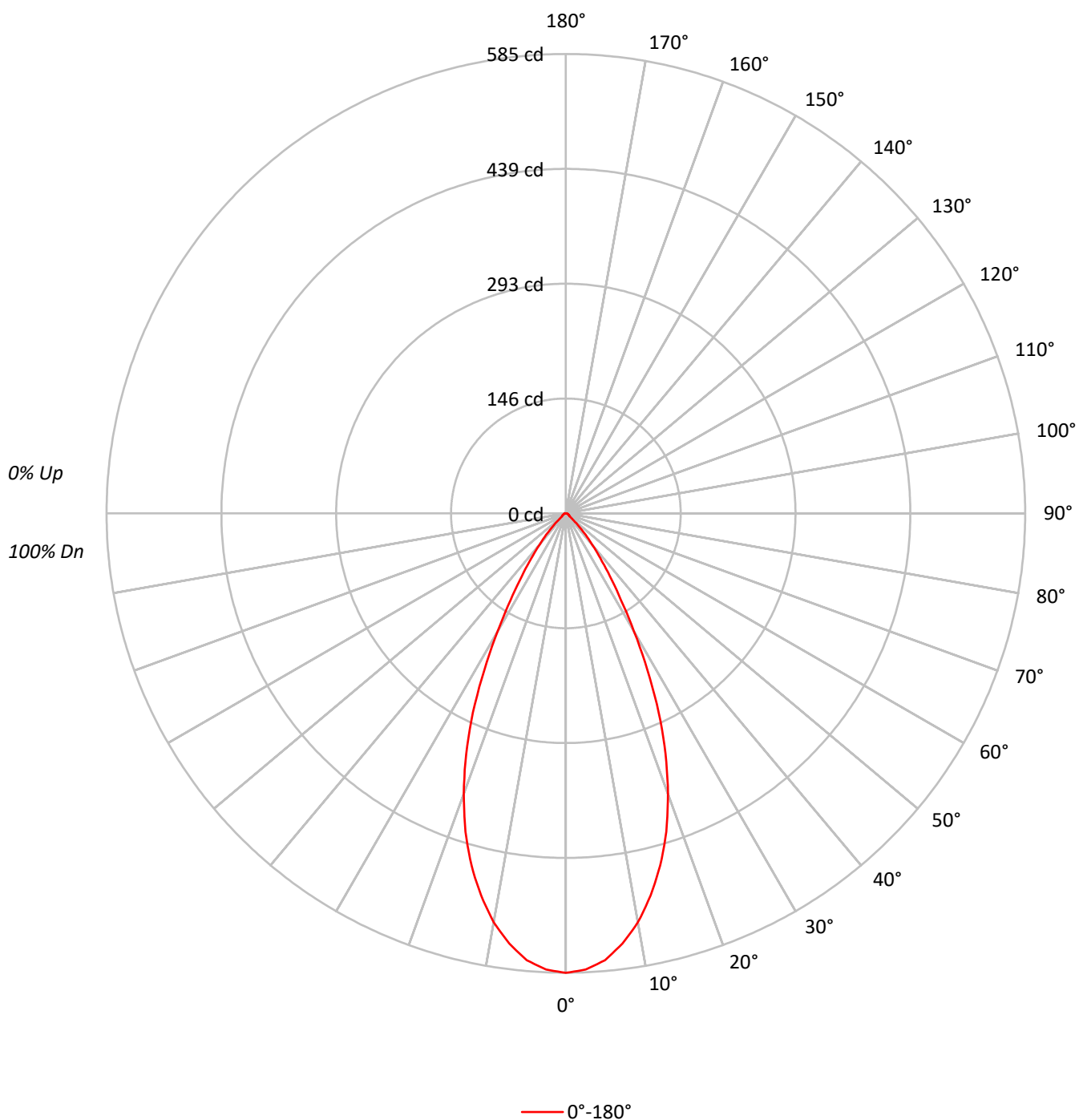
Lumens per Lamp: N/A  
Luminaire Lumens: 403.0 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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   | 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°  | 128301 |
| 5°  | 125732 |
| 10° | 117767 |
| 15° | 105426 |
| 20° | 88721  |
| 25° | 67697  |
| 30° | 44007  |
| 35° | 26100  |
| 40° | 15085  |
| 45° | 7567   |
| 50° | 2797   |
| 55° | 2179   |
| 60° | 2061   |
| 65° | 1868   |
| 70° | 1859   |
| 75° | 1779   |
| 80° | 1768   |
| 85° | 1761   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 7567 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.1   | 13.2      |
| 10°-20°   | 128.4  | 31.9      |
| 20°-30°   | 126.0  | 31.3      |
| 30°-40°   | 63.5   | 15.8      |
| 40°-50°   | 20.1   | 5.0       |
| 50°-60°   | 5.2    | 1.3       |
| 60°-70°   | 3.7    | 0.9       |
| 70°-80°   | 2.3    | 0.6       |
| 80°-90°   | 0.8    | 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°    | 307.6  | 76.3      |
| 0°-40°    | 371.0  | 92.1      |
| 0°-60°    | 396.3  | 98.3      |
| 0°-90°    | 403.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 403.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 585 |      |
| 5°  | 571 | 53   |
| 15° | 464 | 128  |
| 25° | 280 | 126  |
| 35° | 98  | 63   |
| 45° | 24  | 20   |
| 55° | 6   | 5    |
| 65° | 4   | 4    |
| 75° | 2   | 2    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 585.1 |
| 2.5°  | 581.5 |
| 5°    | 571.2 |
| 7.5°  | 552.5 |
| 10°   | 528.9 |
| 12.5° | 498.4 |
| 15°   | 464.4 |
| 17.5° | 425.0 |
| 20°   | 380.2 |
| 22.5° | 331.8 |
| 25°   | 279.8 |
| 27.5° | 224.7 |
| 30°   | 173.8 |
| 32.5° | 130.8 |
| 35°   | 97.5  |
| 37.5° | 72.0  |
| 40°   | 52.7  |
| 42.5° | 37.3  |
| 45°   | 24.4  |
| 47.5° | 14.0  |
| 50°   | 8.2   |
| 52.5° | 6.1   |
| 55°   | 5.7   |
| 57.5° | 5.0   |
| 60°   | 4.7   |
| 62.5° | 4.3   |
| 65°   | 3.6   |
| 67.5° | 3.2   |
| 70°   | 2.9   |
| 72.5° | 2.5   |
| 75°   | 2.1   |
| 77.5° | 1.8   |
| 80°   | 1.4   |
| 82.5° | 1.1   |
| 85°   | 0.7   |
| 87.5° | 0.4   |
| 90°   | 0.0   |

(END OF REPORT)