

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: P1293265

Luminaire Tested: P3A09R40W2N902750DE010 E3DLD1MW\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1293265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R40W2N902750DE010 E3DLD1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,  
E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

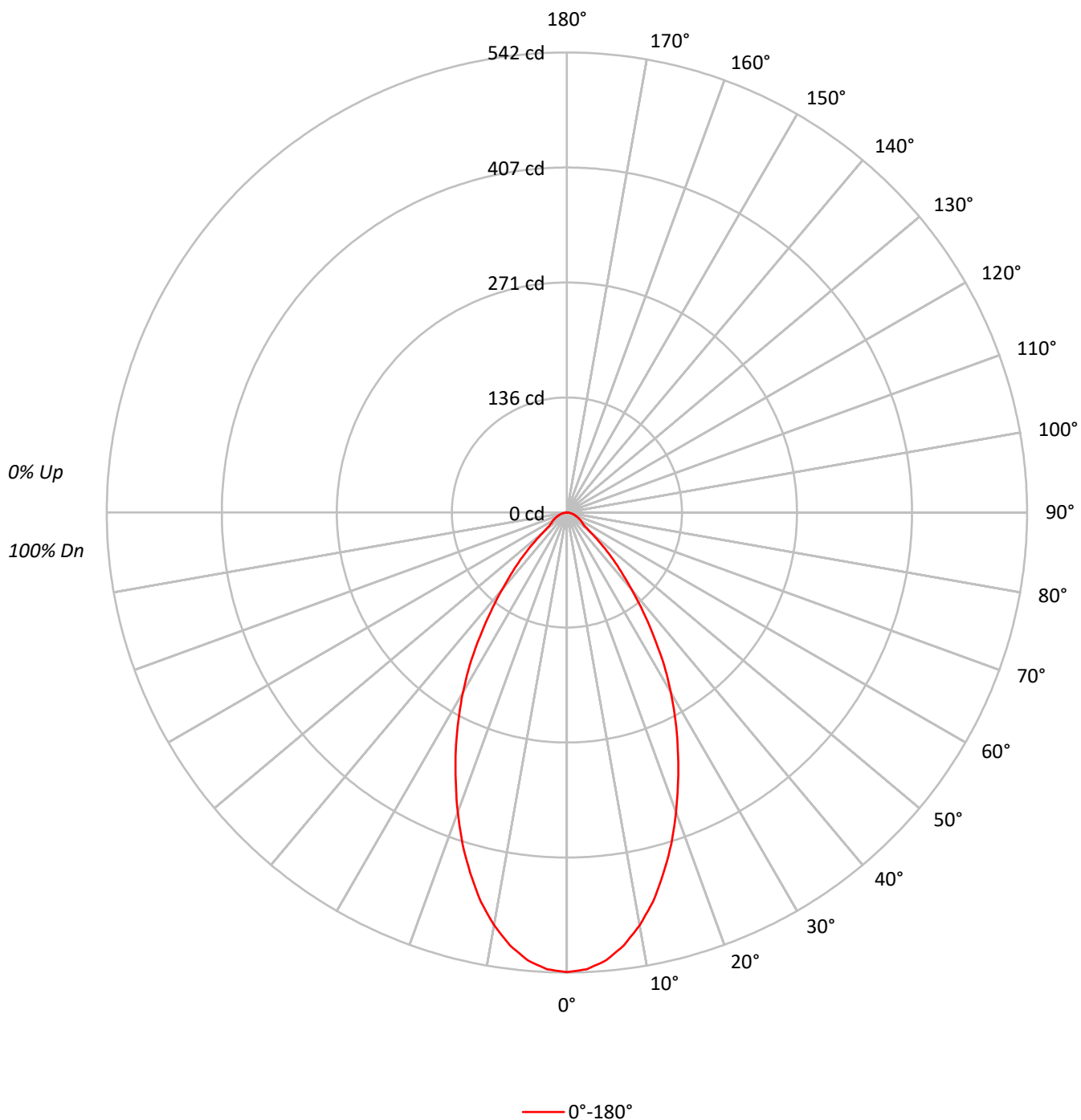
Lumens per Lamp: N/A  
Luminaire Lumens: 529.0 lumens  
Efficiency: N/A  
Efficacy: 58.8 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |     |     |  | 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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  | 94  | 93  |  | 91  |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  |  | 92  | 89  | 87  |  | 89  | 87  | 85  |  | 83  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 83  | 80  | 78  |  | 76  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  |  | 80  | 75  | 72  |  | 78  | 74  | 71  |  | 69  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  |  | 75  | 70  | 66  |  | 73  | 69  | 66  |  | 64  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 61  |  | 70  | 65  | 61  |  | 68  | 64  | 61  |  | 59  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  |  | 65  | 60  | 57  |  | 64  | 60  | 56  |  | 55  |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 53  |  | 62  | 56  | 53  |  | 61  | 56  | 52  |  | 51  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  | 52  | 49  |  | 48  |
| 10  | 67  | 57  | 51  | 46  | 66  | 56  | 50  | 46  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  | 49  | 46  |  | 45  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 118740 |
| 5°  | 116597 |
| 10° | 109907 |
| 15° | 99819  |
| 20° | 87694  |
| 25° | 74883  |
| 30° | 62035  |
| 35° | 47837  |
| 40° | 34064  |
| 45° | 22948  |
| 50° | 12520  |
| 55° | 8831   |
| 60° | 8289   |
| 65° | 7679   |
| 70° | 6860   |
| 75° | 6524   |
| 80° | 5177   |
| 85° | 4529   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22948 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.4   | 9.3       |
| 10°-20°   | 122.5  | 23.2      |
| 20°-30°   | 141.6  | 26.8      |
| 30°-40°   | 111.6  | 21.1      |
| 40°-50°   | 57.3   | 10.8      |
| 50°-60°   | 21.9   | 4.1       |
| 60°-70°   | 14.5   | 2.7       |
| 70°-80°   | 7.9    | 1.5       |
| 80°-90°   | 2.4    | 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°    | 313.5  | 59.3      |
| 0°-40°    | 425.1  | 80.4      |
| 0°-60°    | 504.3  | 95.3      |
| 0°-90°    | 529.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 529.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 542 |      |
| 5°  | 530 | 49   |
| 15° | 440 | 122  |
| 25° | 310 | 142  |
| 35° | 179 | 112  |
| 45° | 74  | 57   |
| 55° | 23  | 22   |
| 65° | 15  | 14   |
| 75° | 8   | 8    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 541.5 |
| 2.5°  | 538.6 |
| 5°    | 529.7 |
| 7.5°  | 514.3 |
| 10°   | 493.6 |
| 12.5° | 469.3 |
| 15°   | 439.7 |
| 17.5° | 409.0 |
| 20°   | 375.8 |
| 22.5° | 342.1 |
| 25°   | 309.5 |
| 27.5° | 277.0 |
| 30°   | 245.0 |
| 32.5° | 212.5 |
| 35°   | 178.7 |
| 37.5° | 147.4 |
| 40°   | 119.0 |
| 42.5° | 94.7  |
| 45°   | 74.0  |
| 47.5° | 53.9  |
| 50°   | 36.7  |
| 52.5° | 26.6  |
| 55°   | 23.1  |
| 57.5° | 20.7  |
| 60°   | 18.9  |
| 62.5° | 16.6  |
| 65°   | 14.8  |
| 67.5° | 12.4  |
| 70°   | 10.7  |
| 72.5° | 8.9   |
| 75°   | 7.7   |
| 77.5° | 5.9   |
| 80°   | 4.1   |
| 82.5° | 3.6   |
| 85°   | 1.8   |
| 87.5° | 1.2   |
| 90°   | 0.0   |

(END OF REPORT)