

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: P1248737

Luminaire Tested: P3AS09R109027DE010 E3DLD1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1248737  
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: P3AS09R109027DE010 E3DLD1WMH  
Description: 3in Adjustable LED luminaire with, R10 optic, 2700K CCT AND, 90CRI , E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

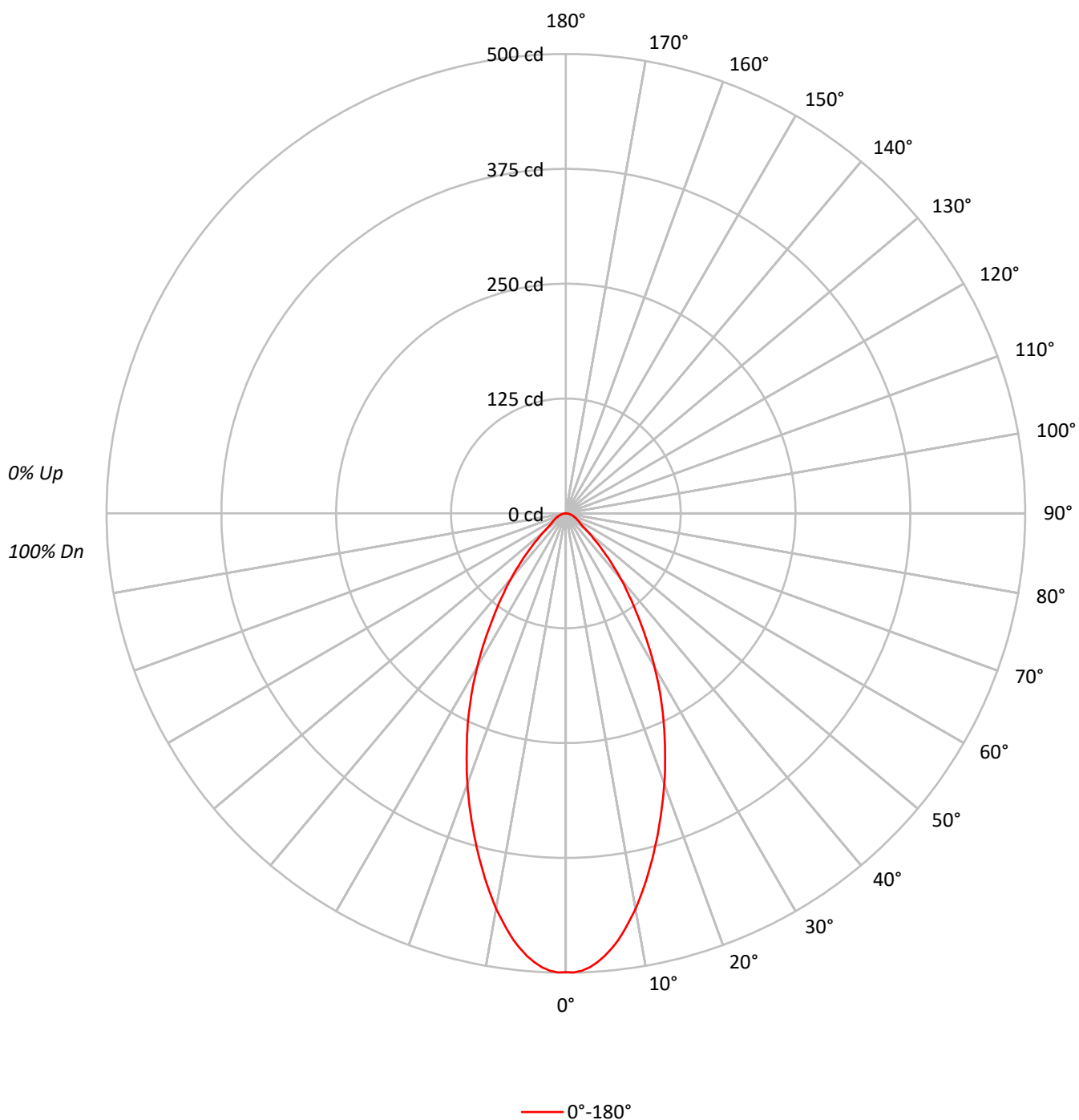
Lumens per Lamp: N/A  
Luminaire Lumens: 433.9 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.5  
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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 95  | 91  | 95  | 92  | 89  |  | 92  | 90  | 87  |  | 90  |
| 3   | 100 | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 89  | 84  | 81  |  | 86  | 82  | 79  |  | 84  |
| 4   | 94  | 86  | 80  | 75  | 92  | 85  | 79  | 74  | 82  | 77  | 74  |  | 80  | 76  | 73  |  | 78  |
| 5   | 89  | 80  | 73  | 68  | 87  | 79  | 73  | 68  | 77  | 72  | 68  |  | 75  | 71  | 67  |  | 74  |
| 6   | 84  | 74  | 68  | 63  | 83  | 73  | 67  | 63  | 72  | 66  | 62  |  | 70  | 66  | 62  |  | 69  |
| 7   | 80  | 70  | 63  | 58  | 78  | 69  | 63  | 58  | 67  | 62  | 58  |  | 66  | 61  | 58  |  | 65  |
| 8   | 76  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  |  | 59  | 54  | 50  |  | 58  |
| 10  | 68  | 58  | 52  | 48  | 67  | 57  | 51  | 47  | 57  | 51  | 47  |  | 56  | 51  | 47  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 109465 |
| 5°  | 106493 |
| 10° | 97326  |
| 15° | 85245  |
| 20° | 73133  |
| 25° | 61068  |
| 30° | 48868  |
| 35° | 36647  |
| 40° | 26593  |
| 45° | 17397  |
| 50° | 10882  |
| 55° | 7340   |
| 60° | 6491   |
| 65° | 5967   |
| 70° | 5642   |
| 75° | 5083   |
| 80° | 4799   |
| 85° | 4026   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 17397 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 44.6   | 10.3      |
| 10°-20°   | 104.6  | 24.1      |
| 20°-30°   | 115.3  | 26.6      |
| 30°-40°   | 86.3   | 19.9      |
| 40°-50°   | 44.7   | 10.3      |
| 50°-60°   | 18.5   | 4.3       |
| 60°-70°   | 11.5   | 2.6       |
| 70°-80°   | 6.4    | 1.5       |
| 80°-90°   | 1.8    | 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°    | 264.6  | 61.0      |
| 0°-40°    | 350.9  | 80.9      |
| 0°-60°    | 414.2  | 95.5      |
| 0°-90°    | 433.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 433.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 499 |      |
| 5°  | 484 | 45   |
| 15° | 376 | 105  |
| 25° | 252 | 115  |
| 35° | 137 | 86   |
| 45° | 56  | 45   |
| 55° | 19  | 19   |
| 65° | 12  | 11   |
| 75° | 6   | 6    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 499.2 |
| 1°    | 499.8 |
| 2°    | 498.1 |
| 3°    | 494.8 |
| 4°    | 489.9 |
| 5°    | 483.8 |
| 6°    | 476.1 |
| 7°    | 467.9 |
| 8°    | 458.0 |
| 9°    | 447.5 |
| 10°   | 437.1 |
| 12.5° | 406.9 |
| 15°   | 375.5 |
| 17.5° | 344.2 |
| 20°   | 313.4 |
| 22.5° | 282.1 |
| 25°   | 252.4 |
| 27.5° | 222.7 |
| 30°   | 193.0 |
| 32.5° | 163.8 |
| 35°   | 136.9 |
| 37.5° | 113.8 |
| 40°   | 92.9  |
| 42.5° | 73.7  |
| 45°   | 56.1  |
| 47.5° | 42.3  |
| 50°   | 31.9  |
| 52.5° | 23.6  |
| 55°   | 19.2  |
| 57.5° | 17.0  |
| 60°   | 14.8  |
| 62.5° | 13.2  |
| 65°   | 11.5  |
| 67.5° | 9.9   |
| 70°   | 8.8   |
| 72.5° | 7.1   |
| 75°   | 6.0   |
| 77.5° | 4.9   |
| 80°   | 3.8   |
| 82.5° | 2.7   |
| 85°   | 1.6   |
| 87.5° | 0.5   |
| 90°   | 0.0   |

(END OF REPORT)