

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: P1249542

Luminaire Tested: P3AS17R159027DE010 E3DL1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1249542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R159027DE010 E3DL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

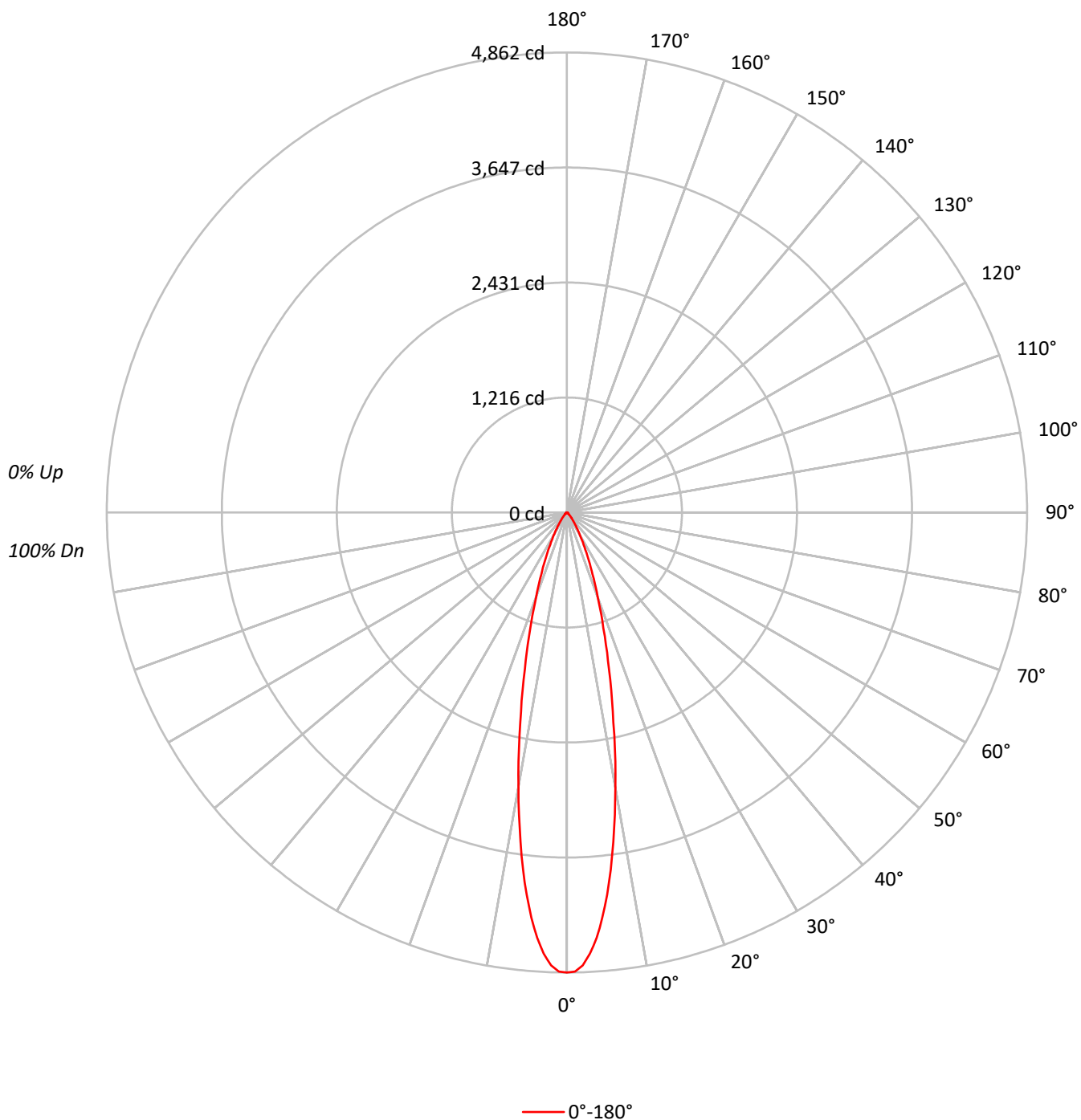
Lumens per Lamp: N/A  
Luminaire Lumens: 1247.9 lumens  
Efficiency: N/A  
Efficacy: 58.9 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 97  |  | 98  | 96  | 95  |  | 96  |
| 3   | 106 | 101 | 97  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 91  |  | 94  | 92  | 90  |  | 92  |
| 4   | 102 | 96  | 92  | 88  | 100 | 95  | 91  | 88  | 93  | 89  | 87  |  | 91  | 88  | 86  |  | 89  |
| 5   | 98  | 92  | 87  | 84  | 97  | 91  | 87  | 83  | 89  | 85  | 83  |  | 88  | 84  | 82  |  | 86  |
| 6   | 95  | 88  | 83  | 80  | 94  | 87  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 79  |  | 83  |
| 7   | 92  | 85  | 80  | 77  | 91  | 84  | 80  | 76  | 83  | 79  | 76  |  | 82  | 78  | 76  |  | 81  |
| 8   | 89  | 81  | 77  | 74  | 88  | 81  | 77  | 73  | 80  | 76  | 73  |  | 79  | 75  | 73  |  | 78  |
| 9   | 86  | 79  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  |  | 77  | 73  | 70  |  | 76  |
| 10  | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 71  | 68  |  | 74  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1066121 |
| 5°  | 946333  |
| 10° | 657191  |
| 15° | 388651  |
| 20° | 221359  |
| 25° | 126540  |
| 30° | 70011   |
| 35° | 37343   |
| 40° | 20639   |
| 45° | 11195   |
| 50° | 6959    |
| 55° | 5505    |
| 60° | 4736    |
| 65° | 4358    |
| 70° | 3847    |
| 75° | 4067    |
| 80° | 3031    |
| 85° | 3019    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11195 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 365.6  | 29.3      |
| 10°-20°   | 482.5  | 38.7      |
| 20°-30°   | 248.4  | 19.9      |
| 30°-40°   | 93.3   | 7.5       |
| 40°-50°   | 30.5   | 2.4       |
| 50°-60°   | 13.1   | 1.1       |
| 60°-70°   | 8.3    | 0.7       |
| 70°-80°   | 4.9    | 0.4       |
| 80°-90°   | 1.3    | 0.1       |
| 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°    | 1096.5 | 87.9      |
| 0°-40°    | 1189.8 | 95.3      |
| 0°-60°    | 1233.4 | 98.8      |
| 0°-90°    | 1247.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1247.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4862 |      |
| 5°  | 4299 | 366  |
| 15° | 1712 | 482  |
| 25° | 523  | 248  |
| 35° | 140  | 93   |
| 45° | 36   | 31   |
| 55° | 14   | 13   |
| 65° | 8    | 8    |
| 75° | 5    | 5    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4861.9 |
| 1°    | 4852.3 |
| 2°    | 4788.6 |
| 3°    | 4667.1 |
| 4°    | 4507.2 |
| 5°    | 4299.2 |
| 6°    | 4063.6 |
| 7°    | 3805.1 |
| 8°    | 3517.8 |
| 9°    | 3234.0 |
| 10°   | 2951.5 |
| 12.5° | 2271.0 |
| 15°   | 1712.0 |
| 17.5° | 1281.6 |
| 20°   | 948.6  |
| 22.5° | 708.1  |
| 25°   | 523.0  |
| 27.5° | 381.1  |
| 30°   | 276.5  |
| 32.5° | 196.0  |
| 35°   | 139.5  |
| 37.5° | 99.8   |
| 40°   | 72.1   |
| 42.5° | 51.7   |
| 45°   | 36.1   |
| 47.5° | 26.4   |
| 50°   | 20.4   |
| 52.5° | 16.8   |
| 55°   | 14.4   |
| 57.5° | 12.0   |
| 60°   | 10.8   |
| 62.5° | 9.6    |
| 65°   | 8.4    |
| 67.5° | 7.2    |
| 70°   | 6.0    |
| 72.5° | 6.0    |
| 75°   | 4.8    |
| 77.5° | 3.6    |
| 80°   | 2.4    |
| 82.5° | 2.4    |
| 85°   | 1.2    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)