

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: P1270450

Luminaire Tested: P3AS20R159740D010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159740D010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

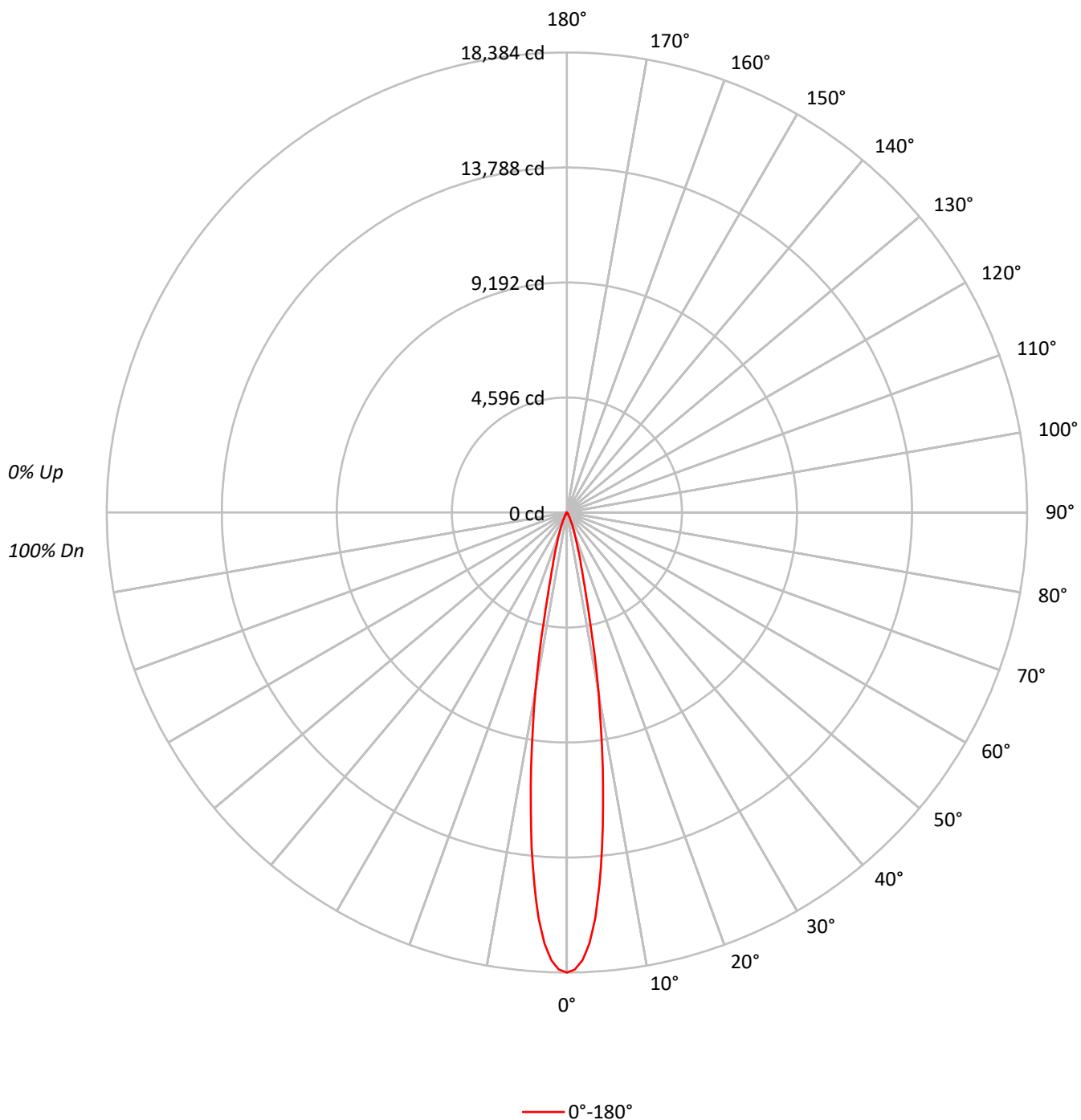
Lumens per Lamp: N/A  
Luminaire Lumens: 2117.0 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 |  | 104 | 103 | 102 |  | 101 |
| 2   | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 |  | 102 | 100 | 99  |  | 99  |
| 3   | 110 | 106 | 102 | 100 | 108 | 104 | 102 | 99  | 102 | 100 | 98  |  | 100 | 98  | 96  |  | 98  |
| 4   | 107 | 102 | 99  | 96  | 106 | 101 | 98  | 96  | 99  | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 96  | 94  | 103 | 99  | 96  | 93  | 97  | 94  | 92  |  | 96  | 93  | 92  |  | 94  |
| 6   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 92  | 90  |  | 94  | 92  | 90  |  | 93  |
| 7   | 100 | 95  | 91  | 89  | 99  | 94  | 91  | 89  | 93  | 90  | 88  |  | 92  | 90  | 88  |  | 91  |
| 8   | 98  | 93  | 89  | 87  | 97  | 92  | 89  | 87  | 91  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 9   | 96  | 91  | 88  | 85  | 96  | 91  | 87  | 85  | 90  | 87  | 85  |  | 89  | 87  | 85  |  | 89  |
| 10  | 95  | 89  | 86  | 84  | 94  | 89  | 86  | 84  | 88  | 85  | 83  |  | 88  | 85  | 83  |  | 87  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 4031322 |
| 5°  | 3287269 |
| 10° | 1609901 |
| 15° | 492761  |
| 20° | 208665  |
| 25° | 94384   |
| 30° | 36790   |
| 35° | 16972   |
| 40° | 5296    |
| 45° | 1985    |
| 50° | 819     |
| 55° | 306     |
| 60° | 351     |
| 65° | 415     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1985 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1162.4 | 54.9      |
| 10°-20°   | 713.3  | 33.7      |
| 20°-30°   | 191.6  | 9.1       |
| 30°-40°   | 42.2   | 2.0       |
| 40°-50°   | 5.9    | 0.3       |
| 50°-60°   | 1.1    | 0.1       |
| 60°-70°   | 0.5    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 2067.3 | 97.7      |
| 0°-40°    | 2109.5 | 99.6      |
| 0°-60°    | 2116.5 | 100.0     |
| 0°-90°    | 2117.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2117.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 18384 |      |
| 5°  | 14934 | ###  |
| 15° | 2171  | 713  |
| 25° | 390   | 192  |
| 35° | 63    | 42   |
| 45° | 6     | 6    |
| 55° | 1     | 1    |
| 65° | 1     | 0    |
| 75° | 0     | 0    |
| 85° | 0     | 0    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 18384.3 |
| 1°    | 18269.5 |
| 2°    | 17901.0 |
| 3°    | 17237.2 |
| 4°    | 16237.7 |
| 5°    | 14934.1 |
| 6°    | 13459.5 |
| 7°    | 11817.1 |
| 8°    | 10307.9 |
| 9°    | 8708.1  |
| 10°   | 7230.2  |
| 11°   | 5767.7  |
| 12°   | 4437.5  |
| 13°   | 3413.2  |
| 14°   | 2702.0  |
| 15°   | 2170.6  |
| 17.5° | 1345.4  |
| 20°   | 894.2   |
| 22.5° | 602.1   |
| 25°   | 390.1   |
| 27.5° | 231.2   |
| 30°   | 145.3   |
| 32.5° | 97.9    |
| 35°   | 63.4    |
| 37.5° | 35.3    |
| 40°   | 18.5    |
| 42.5° | 10.4    |
| 45°   | 6.4     |
| 47.5° | 4.0     |
| 50°   | 2.4     |
| 52.5° | 1.6     |
| 55°   | 0.8     |
| 57.5° | 0.8     |
| 60°   | 0.8     |
| 62.5° | 0.8     |
| 65°   | 0.8     |
| 67.5° | 0.0     |
| 70°   | 0.0     |
| 72.5° | 0.0     |
| 75°   | 0.0     |
| 77.5° | 0.0     |
| 80°   | 0.0     |
| 82.5° | 0.0     |
| 85°   | 0.0     |
| 87.5° | 0.0     |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)