

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: P1258004

Luminaire Tested: P3AS20R159040D010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1258004  
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: P3AS20R159040D010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

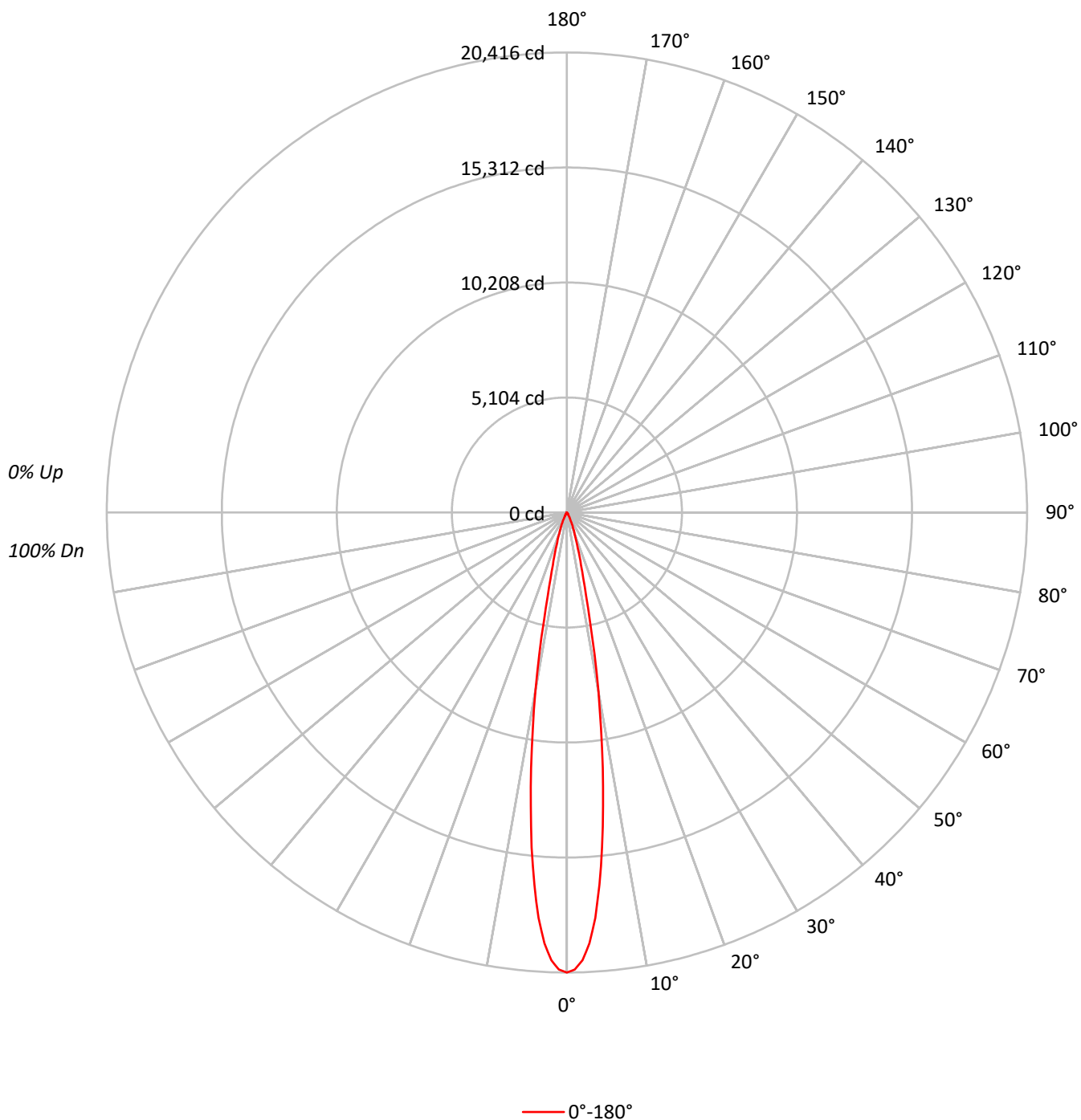
Lumens per Lamp: N/A  
Luminaire Lumens: 2351.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 105 | 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°  | 4476900 |
| 5°  | 3650618 |
| 10° | 1787854 |
| 15° | 547222  |
| 20° | 231743  |
| 25° | 104837  |
| 30° | 40867   |
| 35° | 18846   |
| 40° | 5868    |
| 45° | 2202    |
| 50° | 921     |
| 55° | 344     |
| 60° | 395     |
| 65° | 467     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2202 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1290.9 | 54.9      |
| 10°-20°   | 792.1  | 33.7      |
| 20°-30°   | 212.8  | 9.1       |
| 30°-40°   | 46.9   | 2.0       |
| 40°-50°   | 6.6    | 0.3       |
| 50°-60°   | 1.2    | 0.1       |
| 60°-70°   | 0.6    | 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°    | 2295.9 | 97.7      |
| 0°-40°    | 2342.7 | 99.6      |
| 0°-60°    | 2350.5 | 100.0     |
| 0°-90°    | 2351.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2351.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 20416 |      |
| 5°  | 16585 | ###  |
| 15° | 2410  | 792  |
| 25° | 433   | 213  |
| 35° | 70    | 47   |
| 45° | 7     | 7    |
| 55° | 1     | 1    |
| 65° | 1     | 1    |
| 75° | 0     | 0    |
| 85° | 0     | 0    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 20416.3 |
| 1°    | 20288.9 |
| 2°    | 19879.7 |
| 3°    | 19142.4 |
| 4°    | 18032.6 |
| 5°    | 16584.8 |
| 6°    | 14947.2 |
| 7°    | 13123.3 |
| 8°    | 11447.3 |
| 9°    | 9670.6  |
| 10°   | 8029.4  |
| 11°   | 6405.2  |
| 12°   | 4928.0  |
| 13°   | 3790.5  |
| 14°   | 3000.7  |
| 15°   | 2410.5  |
| 17.5° | 1494.1  |
| 20°   | 993.1   |
| 22.5° | 668.6   |
| 25°   | 433.3   |
| 27.5° | 256.7   |
| 30°   | 161.4   |
| 32.5° | 108.8   |
| 35°   | 70.4    |
| 37.5° | 39.2    |
| 40°   | 20.5    |
| 42.5° | 11.6    |
| 45°   | 7.1     |
| 47.5° | 4.5     |
| 50°   | 2.7     |
| 52.5° | 1.8     |
| 55°   | 0.9     |
| 57.5° | 0.9     |
| 60°   | 0.9     |
| 62.5° | 0.9     |
| 65°   | 0.9     |
| 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):

0°  
90° | 0.0

(END OF REPORT)