

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: P1247537

Luminaire Tested: P3AS20R159024D010 E3DLP1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247537  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159024D010 E3DLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

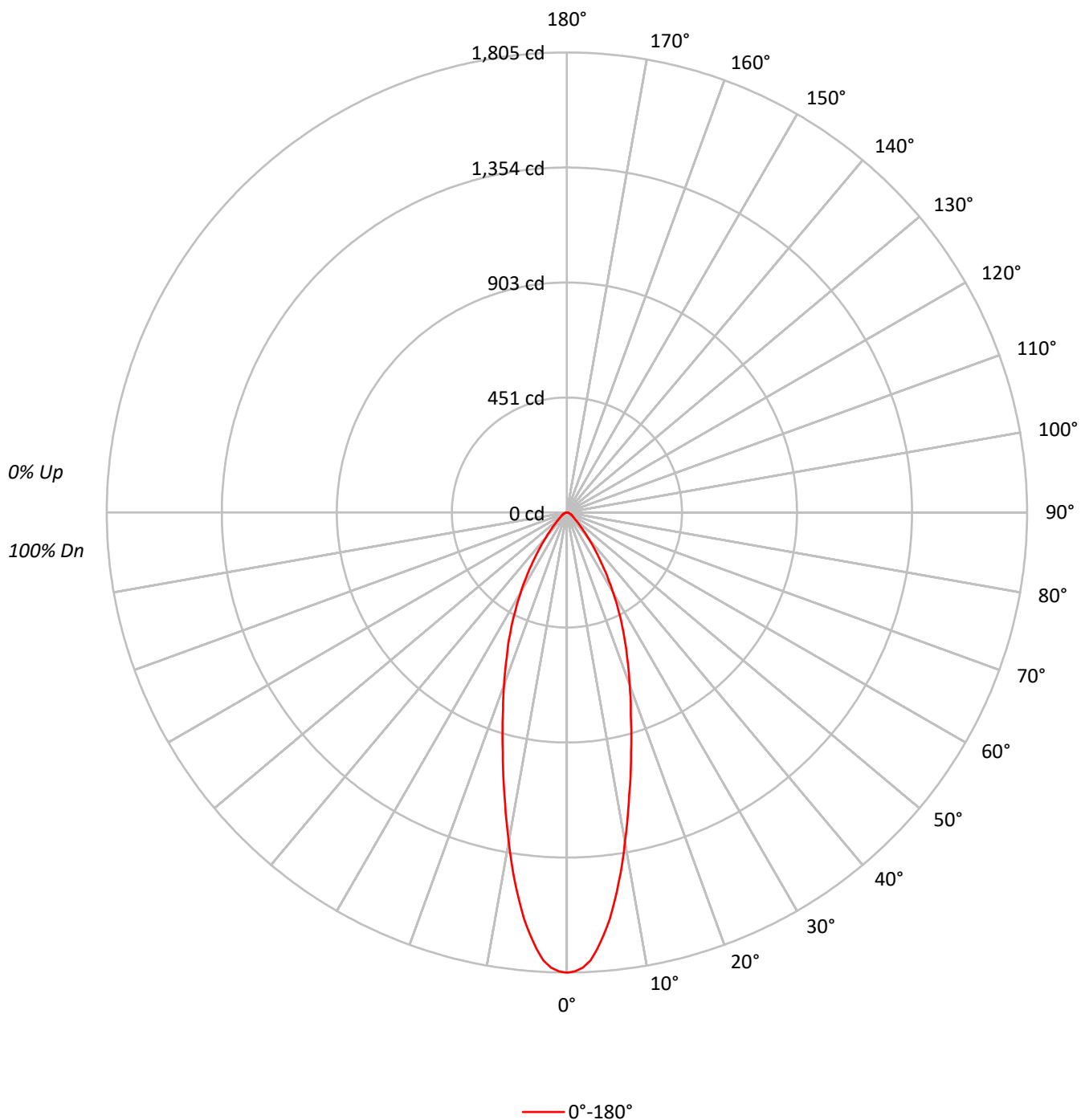
Lumens per Lamp: N/A  
Luminaire Lumens: 918.0 lumens  
Efficiency: N/A  
Efficacy: 31.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 102 | 101 |  | 100 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 87  |
| 4   | 97  | 90  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 81  | 78  |  | 82  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  |  | 80  | 76  | 72  |  | 78  |
| 6   | 88  | 79  | 73  | 69  | 87  | 79  | 73  | 69  | 77  | 72  | 69  |  | 76  | 71  | 68  |  | 74  |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 69  | 65  | 73  | 68  | 64  |  | 72  | 67  | 64  |  | 71  |
| 8   | 80  | 71  | 65  | 61  | 79  | 71  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  |
| 9   | 77  | 68  | 62  | 58  | 76  | 67  | 62  | 58  | 66  | 61  | 58  |  | 65  | 61  | 57  |  | 64  |
| 10  | 74  | 64  | 59  | 55  | 73  | 64  | 59  | 55  | 63  | 58  | 55  |  | 62  | 58  | 55  |  | 62  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 395867 |
| 5°  | 365881 |
| 10° | 292090 |
| 15° | 220660 |
| 20° | 168015 |
| 25° | 128040 |
| 30° | 91710  |
| 35° | 59856  |
| 40° | 36697  |
| 45° | 22204  |
| 50° | 14737  |
| 55° | 11393  |
| 60° | 9824   |
| 65° | 8509   |
| 70° | 7629   |
| 75° | 7540   |
| 80° | 5683   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22204 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 147.2  | 16.0      |
| 10°-20°   | 271.7  | 29.6      |
| 20°-30°   | 241.9  | 26.3      |
| 30°-40°   | 143.1  | 15.6      |
| 40°-50°   | 58.7   | 6.4       |
| 50°-60°   | 27.6   | 3.0       |
| 60°-70°   | 16.8   | 1.8       |
| 70°-80°   | 8.8    | 1.0       |
| 80°-90°   | 2.2    | 0.2       |
| 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°    | 660.8  | 72.0      |
| 0°-40°    | 803.9  | 87.6      |
| 0°-60°    | 890.2  | 97.0      |
| 0°-90°    | 918.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 918.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1805 |      |
| 5°  | 1662 | 147  |
| 15° | 972  | 272  |
| 25° | 529  | 242  |
| 35° | 224  | 143  |
| 45° | 72   | 59   |
| 55° | 30   | 28   |
| 65° | 16   | 17   |
| 75° | 9    | 9    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1805.3 |
| 1°    | 1800.8 |
| 2°    | 1787.4 |
| 3°    | 1760.6 |
| 4°    | 1715.8 |
| 5°    | 1662.2 |
| 6°    | 1604.0 |
| 7°    | 1535.5 |
| 8°    | 1463.9 |
| 9°    | 1390.9 |
| 10°   | 1311.8 |
| 12.5° | 1131.5 |
| 15°   | 972.0  |
| 17.5° | 834.8  |
| 20°   | 720.0  |
| 22.5° | 618.7  |
| 25°   | 529.2  |
| 27.5° | 442.7  |
| 30°   | 362.2  |
| 32.5° | 289.2  |
| 35°   | 223.6  |
| 37.5° | 171.4  |
| 40°   | 128.2  |
| 42.5° | 95.4   |
| 45°   | 71.6   |
| 47.5° | 55.2   |
| 50°   | 43.2   |
| 52.5° | 35.8   |
| 55°   | 29.8   |
| 57.5° | 25.3   |
| 60°   | 22.4   |
| 62.5° | 19.4   |
| 65°   | 16.4   |
| 67.5° | 14.9   |
| 70°   | 11.9   |
| 72.5° | 10.4   |
| 75°   | 8.9    |
| 77.5° | 6.0    |
| 80°   | 4.5    |
| 82.5° | 3.0    |
| 85°   | 1.5    |
| 87.5° | 1.5    |
| 90°   | 0.0    |

(END OF REPORT)