

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: P1247396

Luminaire Tested: P3A17R509024DE010 E3DLP1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R509024DE010 E3DLP1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

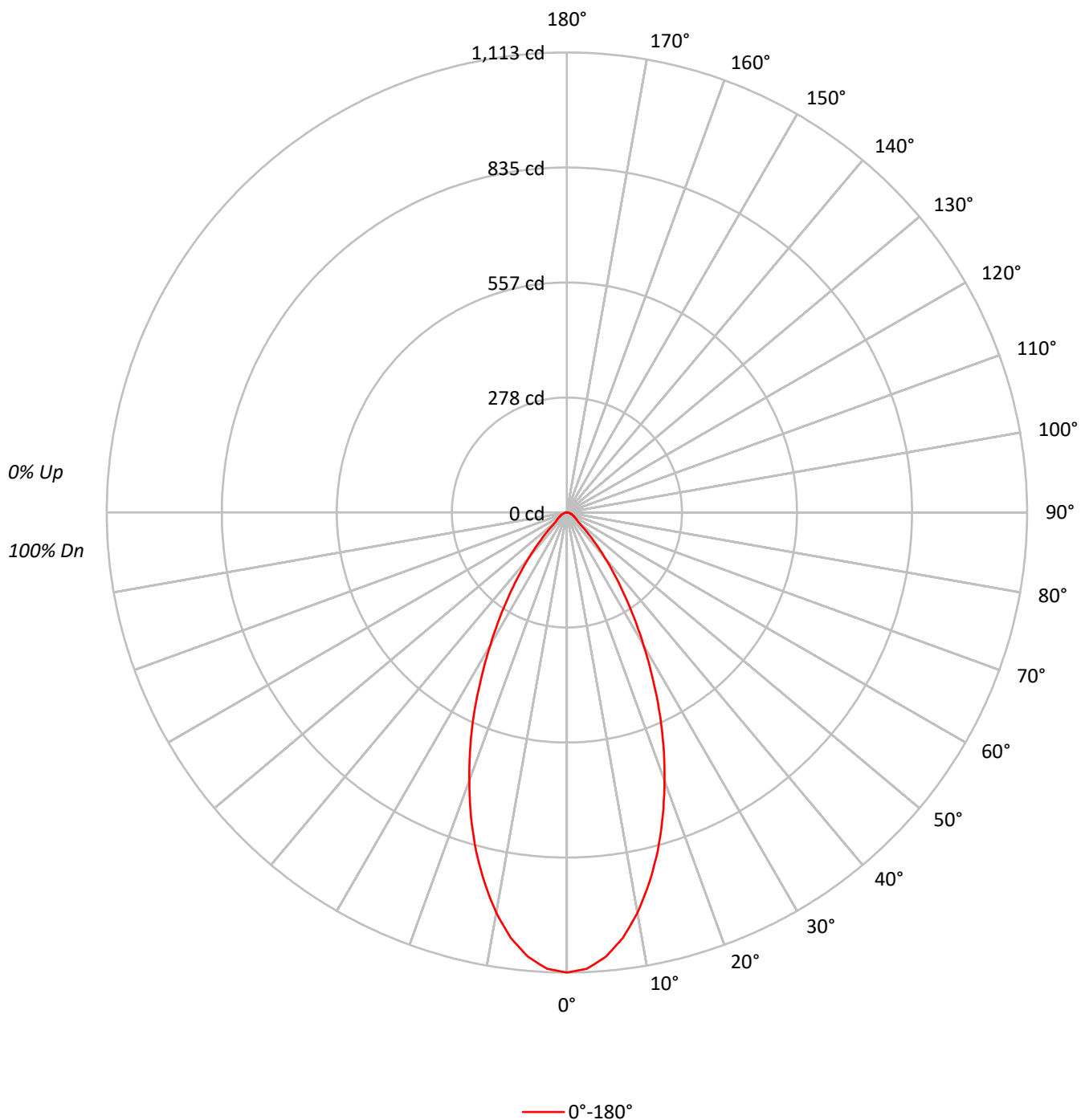
Lumens per Lamp: N/A  
Luminaire Lumens: 839.0 lumens  
Efficiency: N/A  
Efficacy: 39.6 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 83  |  | 88  | 85  | 82  |  | 86  |
| 4   | 96  | 88  | 82  | 78  | 94  | 87  | 82  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 81  |
| 5   | 91  | 83  | 76  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 77  |
| 6   | 87  | 77  | 71  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  |  | 74  | 69  | 66  |  | 72  |
| 7   | 82  | 73  | 67  | 62  | 81  | 72  | 66  | 62  | 71  | 66  | 62  |  | 70  | 65  | 61  |  | 68  |
| 8   | 78  | 69  | 63  | 58  | 77  | 68  | 62  | 58  | 67  | 62  | 58  |  | 66  | 61  | 58  |  | 65  |
| 9   | 75  | 65  | 59  | 55  | 74  | 64  | 59  | 55  | 63  | 58  | 55  |  | 63  | 58  | 54  |  | 62  |
| 10  | 71  | 61  | 56  | 52  | 70  | 61  | 55  | 52  | 60  | 55  | 51  |  | 59  | 55  | 51  |  | 59  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 244016 |
| 5°  | 237464 |
| 10° | 218967 |
| 15° | 192555 |
| 20° | 161107 |
| 25° | 127749 |
| 30° | 93736  |
| 35° | 64434  |
| 40° | 40962  |
| 45° | 22886  |
| 50° | 12383  |
| 55° | 10437  |
| 60° | 8947   |
| 65° | 8250   |
| 70° | 7309   |
| 75° | 6693   |
| 80° | 5683   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22886 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.9   | 11.9      |
| 10°-20°   | 234.9  | 28.0      |
| 20°-30°   | 240.3  | 28.6      |
| 30°-40°   | 152.4  | 18.2      |
| 40°-50°   | 60.6   | 7.2       |
| 50°-60°   | 24.6   | 2.9       |
| 60°-70°   | 15.7   | 1.9       |
| 70°-80°   | 8.1    | 1.0       |
| 80°-90°   | 2.5    | 0.3       |
| 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°    | 575.1  | 68.6      |
| 0°-40°    | 727.5  | 86.7      |
| 0°-60°    | 812.7  | 96.9      |
| 0°-90°    | 839.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 839.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1113 |      |
| 5°  | 1079 | 100  |
| 15° | 848  | 235  |
| 25° | 528  | 240  |
| 35° | 241  | 152  |
| 45° | 74   | 61   |
| 55° | 27   | 25   |
| 65° | 16   | 16   |
| 75° | 8    | 8    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1112.8 |
| 2.5°  | 1104.9 |
| 5°    | 1078.8 |
| 7.5°  | 1037.9 |
| 10°   | 983.4  |
| 12.5° | 918.6  |
| 15°   | 848.2  |
| 17.5° | 771.0  |
| 20°   | 690.4  |
| 22.5° | 609.8  |
| 25°   | 528.0  |
| 27.5° | 446.3  |
| 30°   | 370.2  |
| 32.5° | 302.1  |
| 35°   | 240.7  |
| 37.5° | 188.5  |
| 40°   | 143.1  |
| 42.5° | 105.6  |
| 45°   | 73.8   |
| 47.5° | 50.0   |
| 50°   | 36.3   |
| 52.5° | 30.7   |
| 55°   | 27.3   |
| 57.5° | 23.8   |
| 60°   | 20.4   |
| 62.5° | 18.2   |
| 65°   | 15.9   |
| 67.5° | 13.6   |
| 70°   | 11.4   |
| 72.5° | 9.1    |
| 75°   | 7.9    |
| 77.5° | 5.7    |
| 80°   | 4.5    |
| 82.5° | 3.4    |
| 85°   | 2.3    |
| 87.5° | 1.1    |
| 90°   | 0.0    |

(END OF REPORT)