

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: P1247290

Luminaire Tested: P3A17R359024DE010 E3CB1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R359024DE010 E3CB1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3CB1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

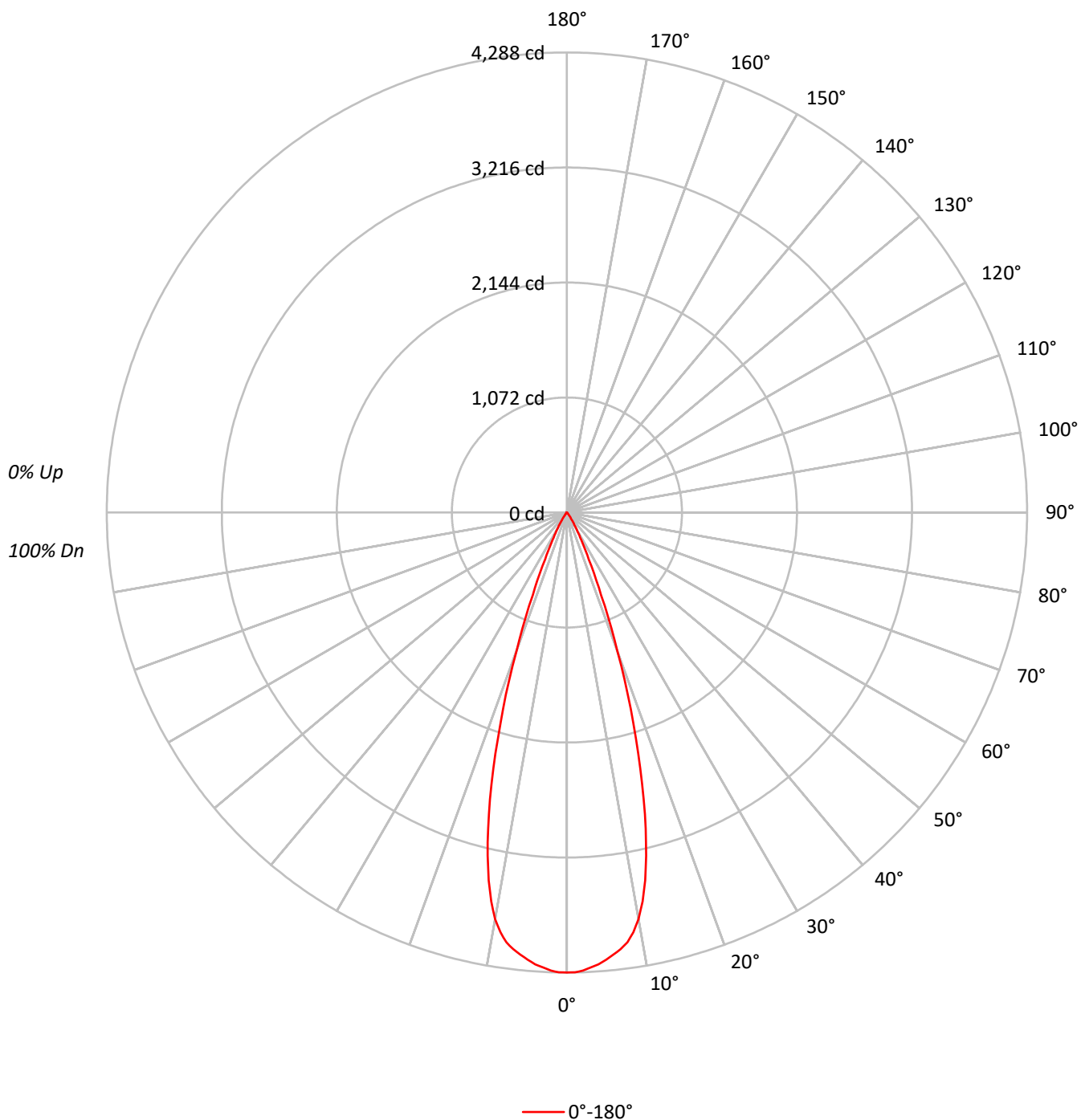
Lumens per Lamp: N/A  
Luminaire Lumens: 1442.0 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1247290

CATALOG NUMBER: P3A17R359024DE010 E3CB1MW

### 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  | 30  | 10  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 115 | 113 | 111 | 109 |  | 112 | 110 | 109 | 107 |  | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  | 99  | 98  |
| 2   | 111 | 107 | 104 | 101 |  | 109 | 105 | 103 | 100 |  | 102 | 100 | 98  |  | 99  | 98  | 96  |  | 97  | 95  | 94  |
| 3   | 107 | 102 | 98  | 95  |  | 105 | 101 | 97  | 95  |  | 98  | 96  | 93  |  | 96  | 94  | 92  |  | 94  | 92  | 90  |
| 4   | 104 | 98  | 94  | 91  |  | 102 | 97  | 93  | 90  |  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 89  | 87  |
| 5   | 100 | 94  | 90  | 87  |  | 99  | 93  | 89  | 86  |  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 89  | 86  | 84  |
| 6   | 97  | 91  | 86  | 83  |  | 96  | 90  | 86  | 83  |  | 89  | 85  | 82  |  | 87  | 84  | 82  |  | 86  | 83  | 81  |
| 7   | 94  | 87  | 83  | 80  |  | 93  | 87  | 83  | 80  |  | 86  | 82  | 79  |  | 85  | 81  | 79  |  | 84  | 81  | 79  |
| 8   | 91  | 84  | 80  | 77  |  | 90  | 84  | 80  | 77  |  | 83  | 79  | 77  |  | 82  | 79  | 76  |  | 81  | 78  | 76  |
| 9   | 89  | 82  | 77  | 74  |  | 88  | 81  | 77  | 74  |  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  | 76  | 74  |
| 10  | 86  | 79  | 75  | 72  |  | 85  | 79  | 75  | 72  |  | 78  | 74  | 72  |  | 77  | 74  | 72  |  | 77  | 74  | 71  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 940276 |
| 5°  | 921129 |
| 10° | 856920 |
| 15° | 628267 |
| 20° | 321701 |
| 25° | 115942 |
| 30° | 45146  |
| 35° | 15821  |
| 40° | 6498   |
| 45° | 1768   |
| 50° | 1535   |
| 55° | 1720   |
| 60° | 1491   |
| 65° | 1193   |
| 70° | 1475   |
| 75° | 1949   |
| 80° | 1389   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 1949 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 390.1  | 27.1      |
| 10°-20°   | 732.0  | 50.8      |
| 20°-30°   | 259.2  | 18.0      |
| 30°-40°   | 45.4   | 3.1       |
| 40°-50°   | 6.6    | 0.5       |
| 50°-60°   | 3.7    | 0.3       |
| 60°-70°   | 2.7    | 0.2       |
| 70°-80°   | 2.0    | 0.1       |
| 80°-90°   | 0.4    | 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       |
| 0°-30°    | 1381.2 | 95.8      |
| 0°-40°    | 1426.6 | 98.9      |
| 0°-60°    | 1436.9 | 99.6      |
| 0°-90°    | 1442.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1442.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4288 |      |
| 5°  | 4185 | 390  |
| 15° | 2768 | 732  |
| 25° | 479  | 259  |
| 35° | 59   | 45   |
| 45° | 6    | 7    |
| 55° | 4    | 4    |
| 65° | 2    | 3    |
| 75° | 2    | 2    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4288.0 |
| 1°    | 4286.9 |
| 2°    | 4273.3 |
| 3°    | 4247.1 |
| 4°    | 4223.3 |
| 5°    | 4184.7 |
| 6°    | 4144.9 |
| 7°    | 4100.6 |
| 8°    | 4046.1 |
| 9°    | 3961.0 |
| 10°   | 3848.5 |
| 11°   | 3693.0 |
| 12°   | 3505.6 |
| 13°   | 3283.0 |
| 14°   | 3037.7 |
| 15°   | 2767.5 |
| 17.5° | 2061.1 |
| 20°   | 1378.6 |
| 22.5° | 831.3  |
| 25°   | 479.2  |
| 27.5° | 286.2  |
| 30°   | 178.3  |
| 32.5° | 103.3  |
| 35°   | 59.1   |
| 37.5° | 37.5   |
| 40°   | 22.7   |
| 42.5° | 11.4   |
| 45°   | 5.7    |
| 47.5° | 4.5    |
| 50°   | 4.5    |
| 52.5° | 4.5    |
| 55°   | 4.5    |
| 57.5° | 3.4    |
| 60°   | 3.4    |
| 62.5° | 3.4    |
| 65°   | 2.3    |
| 67.5° | 2.3    |
| 70°   | 2.3    |
| 72.5° | 2.3    |
| 75°   | 2.3    |
| 77.5° | 1.1    |
| 80°   | 1.1    |
| 82.5° | 1.1    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)