Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1246734

Luminaire Tested: P3A10R129024DE010 E3D1GPH

Issue Date: 1/30/2026

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | P1246734 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-24) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 1/30/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | IRiS |
| Catalog Number: | P3A10R129024DE010 E3D1GPH |
| Description: | 3in Adjustable LED luminaire with, R12 optic, 2400K CCT AND, 90CRI , E3D1GPH TRIM |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 770.0 lumens |
| Efficiency: | N/A |
| Efficacy: | 65.8 lumens/watt |
| Spacing Criteria (0/90/45): | 0.22 / 0.22 / 0.22 |
| Luminous Opening: | Circular (Dia: 0.25' x H: 0') |
| CIE Type: | Direct |

| | |
|---|---|
| Input Watts (W): | 11.7 |
| 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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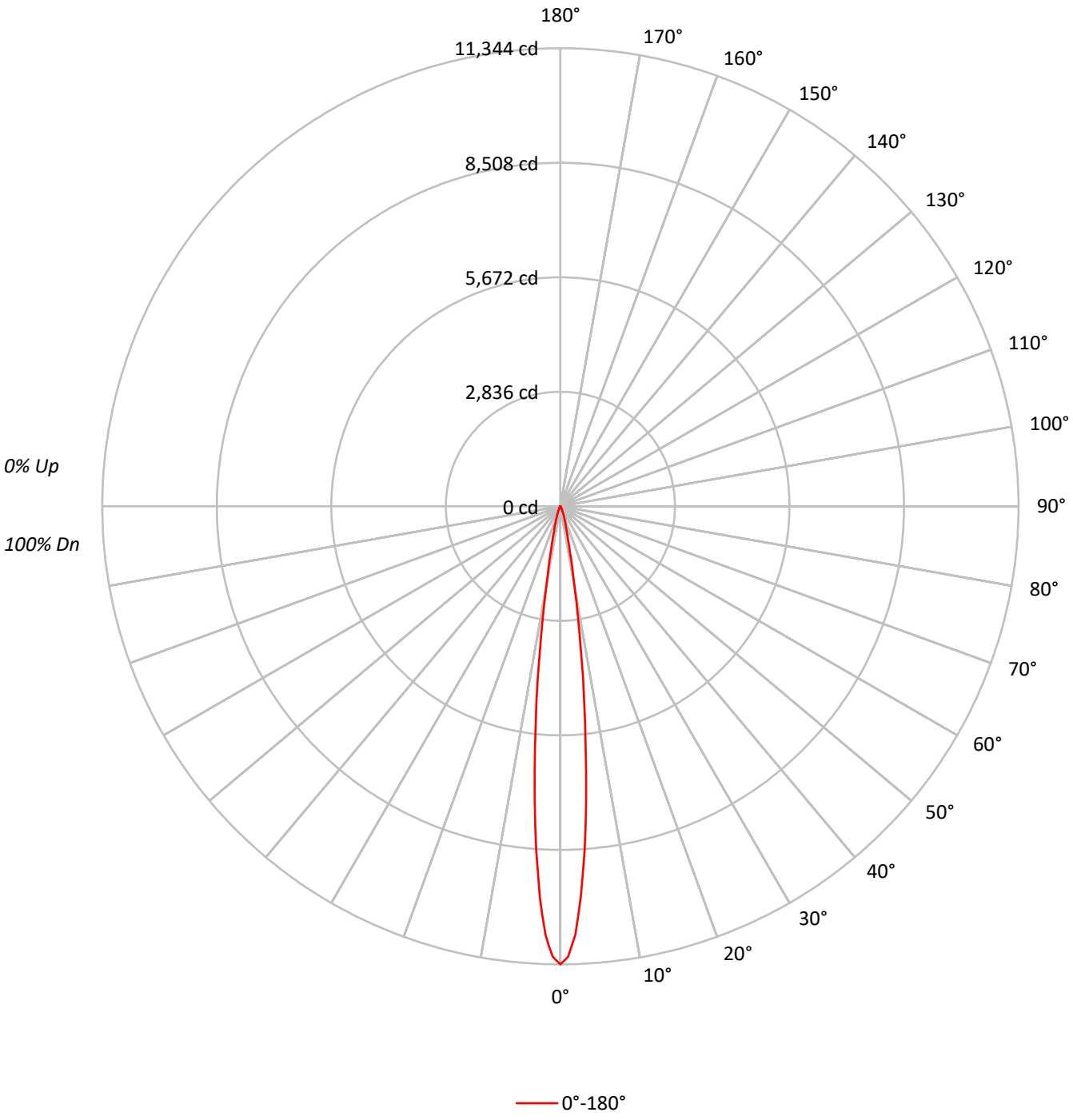
## Luminous Intensity Polar Plot



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## COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | 20 | | | 20 | | | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 116 | 114 | 113 | 111 | 114 | 112 | 111 | 109 | 108 | 107 | 106 | 104 | 104 | 103 | 101 | 101 | 100 | 98 |
| 2 | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 105 | 104 | 102 | 103 | 101 | 100 | 100 | 99 | 98 | 97 |
| 3 | 110 | 107 | 104 | 102 | 109 | 105 | 103 | 101 | 103 | 101 | 99 | 101 | 99 | 98 | 99 | 98 | 96 | 95 |
| 4 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 98 | 101 | 99 | 97 | 99 | 97 | 96 | 98 | 96 | 95 | 94 |
| 5 | 106 | 102 | 98 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 93 | 92 |
| 6 | 104 | 99 | 96 | 94 | 103 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 93 | 95 | 93 | 92 | 91 |
| 7 | 102 | 98 | 94 | 92 | 101 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 94 | 92 | 91 | 90 |
| 8 | 101 | 96 | 93 | 91 | 100 | 95 | 93 | 90 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 90 | 89 |
| 9 | 99 | 94 | 91 | 89 | 98 | 94 | 91 | 89 | 93 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 88 |
| 10 | 98 | 93 | 90 | 88 | 97 | 93 | 90 | 88 | 92 | 90 | 88 | 91 | 89 | 88 | 91 | 89 | 87 | 87 |

## AVERAGE LUMINANCE (cd/sqm):

| | 0° |
|---|---|
| 0° | 2487498 |
| 5° | 1607260 |
| 10° | 453476 |
| 15° | 128219 |
| 20° | 53625 |
| 25° | 23735 |
| 30° | 12128 |
| 35° | 6398 |
| 40° | 2748 |
| 45° | 744 |
| 50° | 819 |
| 55° | 0 |
| 60° | 0 |
| 65° | 0 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 819 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 514.5 | 66.8 |
| 10°-20° | 186.6 | 24.2 |
| 20°-30° | 50.0 | 6.5 |
| 30°-40° | 15.7 | 2.0 |
| 40°-50° | 3.0 | 0.4 |
| 50°-60° | 0.3 | 0.0 |
| 60°-70° | 0.0 | 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 |
| 0°-30° | 751.1 | 97.5 |
| 0°-40° | 766.8 | 99.6 |
| 0°-60° | 770.0 | 100.0 |
| 0°-90° | 770.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 770.0 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | Flux |
|---|---|---|
| 0° | 11344 | |
| 5° | 7302 | 514 |
| 15° | 565 | 187 |
| 25° | 98 | 50 |
| 35° | 24 | 16 |
| 45° | 2 | 3 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |

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**CANDELA DISTRIBUTION (FULL):**

| | 0° |
|---|---|
| 0° | 11343.9 |
| 1° | 11152.5 |
| 2° | 10614.0 |
| 3° | 9692.6 |
| 4° | 8548.6 |
| 5° | 7301.8 |
| 6° | 6002.2 |
| 7° | 4839.1 |
| 8° | 3723.9 |
| 9° | 2771.4 |
| 10° | 2036.6 |
| 11° | 1500.6 |
| 12° | 1129.6 |
| 13° | 875.9 |
| 14° | 694.0 |
| 15° | 564.8 |
| 17.5° | 359.0 |
| 20° | 229.8 |
| 22.5° | 148.4 |
| 25° | 98.1 |
| 27.5° | 67.0 |
| 30° | 47.9 |
| 32.5° | 33.5 |
| 35° | 23.9 |
| 37.5° | 16.8 |
| 40° | 9.6 |
| 42.5° | 4.8 |
| 45° | 2.4 |
| 47.5° | 2.4 |
| 50° | 2.4 |
| 52.5° | 0.0 |
| 55° | 0.0 |
| 57.5° | 0.0 |
| 60° | 0.0 |
| 62.5° | 0.0 |
| 65° | 0.0 |
| 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)