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: P1266318

Luminaire Tested: P3AS02R459735DE010 E3CB1MMS

Issue Date: 1/30/2026

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | P1266318 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 1/30/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | IRiS |
| Catalog Number: | P3AS02R459735DE010 E3CB1MMS |
| Description: | 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , E3CB1MMS TRIM |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 304.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 84.5 lumens/watt |
| Spacing Criteria (0/90/45): | 0.72 / 0.72 / 0.66 |
| Luminous Opening: | Circular (Dia: 0.25' x H: 0') |
| CIE Type: | Direct |

| | |
|---|---|
| Input Watts (W): | 3.6 |
| 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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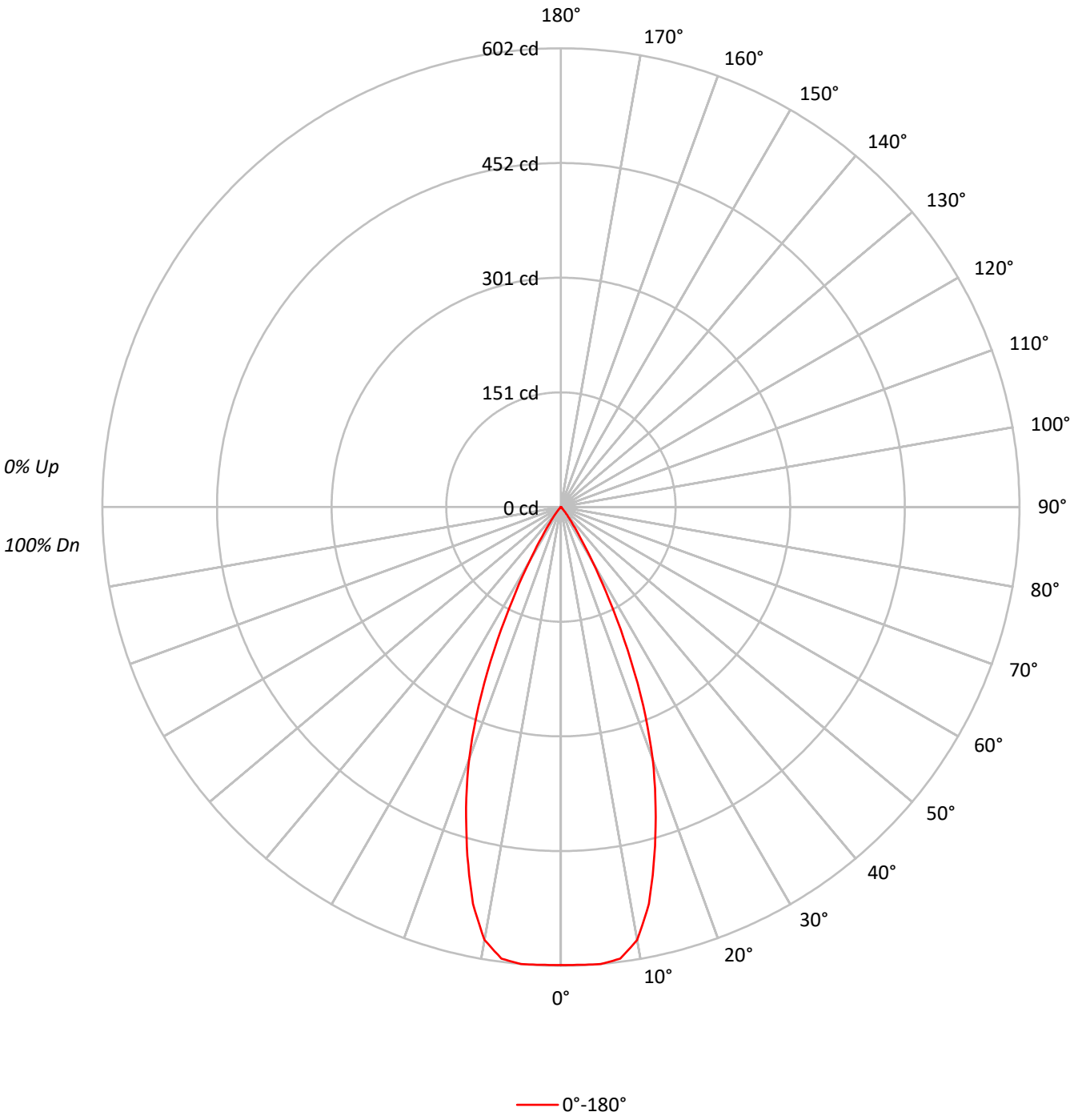
## Luminous Intensity Polar Plot



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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 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 95 |
| 2 | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 94 | 92 | 91 |
| 3 | 106 | 100 | 96 | 93 | 104 | 99 | 95 | 92 | 96 | 93 | 91 | 94 | 91 | 89 | 92 | 90 | 88 | 86 |
| 4 | 102 | 95 | 91 | 87 | 100 | 94 | 90 | 87 | 92 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 84 | 82 |
| 5 | 98 | 91 | 86 | 82 | 96 | 90 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 82 | 80 | 79 |
| 6 | 94 | 87 | 82 | 78 | 93 | 86 | 81 | 78 | 85 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 76 | 75 |
| 7 | 90 | 83 | 78 | 74 | 89 | 82 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 72 |
| 8 | 87 | 79 | 74 | 71 | 86 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 |
| 9 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 73 | 70 | 67 | 66 |
| 10 | 81 | 73 | 68 | 65 | 80 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 65 | 64 |

## AVERAGE LUMINANCE (cd/sqm):

| | 0° |
|---|---|
| 0° | 131810 |
| 5° | 132511 |
| 10° | 128432 |
| 15° | 107628 |
| 20° | 82280 |
| 25° | 50084 |
| 30° | 20839 |
| 35° | 6666 |
| 40° | 2090 |
| 45° | 434 |
| 50° | 307 |
| 55° | 344 |
| 60° | 307 |
| 65° | 363 |
| 70° | 321 |
| 75° | 424 |
| 80° | 253 |
| 85° | 0 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 434 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 56.8 | 18.7 |
| 10°-20° | 130.3 | 42.9 |
| 20°-30° | 93.8 | 30.9 |
| 30°-40° | 19.5 | 6.4 |
| 40°-50° | 1.8 | 0.6 |
| 50°-60° | 0.7 | 0.2 |
| 60°-70° | 0.6 | 0.2 |
| 70°-80° | 0.4 | 0.1 |
| 80°-90° | 0.1 | 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° | 280.9 | 92.4 |
| 0°-40° | 300.4 | 98.8 |
| 0°-60° | 303.0 | 99.6 |
| 0°-90° | 304.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 304.1 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | Flux |
|---|---|---|
| 0° | 601 | |
| 5° | 602 | 57 |
| 15° | 474 | 130 |
| 25° | 207 | 94 |
| 35° | 25 | 20 |
| 45° | 1 | 2 |
| 55° | 1 | 1 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |

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**CANDELA DISTRIBUTION (FULL):**

| | 0° |
|---|---|
| 0° | 601.1 |
| 2.5° | 601.3 |
| 5° | 602.0 |
| 7.5° | 597.7 |
| 10° | 576.8 |
| 12.5° | 533.3 |
| 15° | 474.1 |
| 17.5° | 413.6 |
| 20° | 352.6 |
| 22.5° | 282.5 |
| 25° | 207.0 |
| 27.5° | 136.5 |
| 30° | 82.3 |
| 32.5° | 46.0 |
| 35° | 24.9 |
| 37.5° | 14.1 |
| 40° | 7.3 |
| 42.5° | 3.2 |
| 45° | 1.4 |
| 47.5° | 0.9 |
| 50° | 0.9 |
| 52.5° | 0.9 |
| 55° | 0.9 |
| 57.5° | 0.7 |
| 60° | 0.7 |
| 62.5° | 0.7 |
| 65° | 0.7 |
| 67.5° | 0.5 |
| 70° | 0.5 |
| 72.5° | 0.5 |
| 75° | 0.5 |
| 77.5° | 0.2 |
| 80° | 0.2 |
| 82.5° | 0.2 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)