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: P1263180

Luminaire Tested: P3A17R559727DE010 E3DLD1WMH

Issue Date: 1/30/2026

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | P1263180 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 1/30/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | IRiS |
| Catalog Number: | P3A17R559727DE010 E3DLD1WMH |
| Description: | 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3DLD1WMH TRIM |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 912.0 lumens |
| Efficiency: | N/A |
| Efficacy: | 43.0 lumens/watt |
| Spacing Criteria (0/90/45): | 0.91 / 0.91 / 0.97 |
| 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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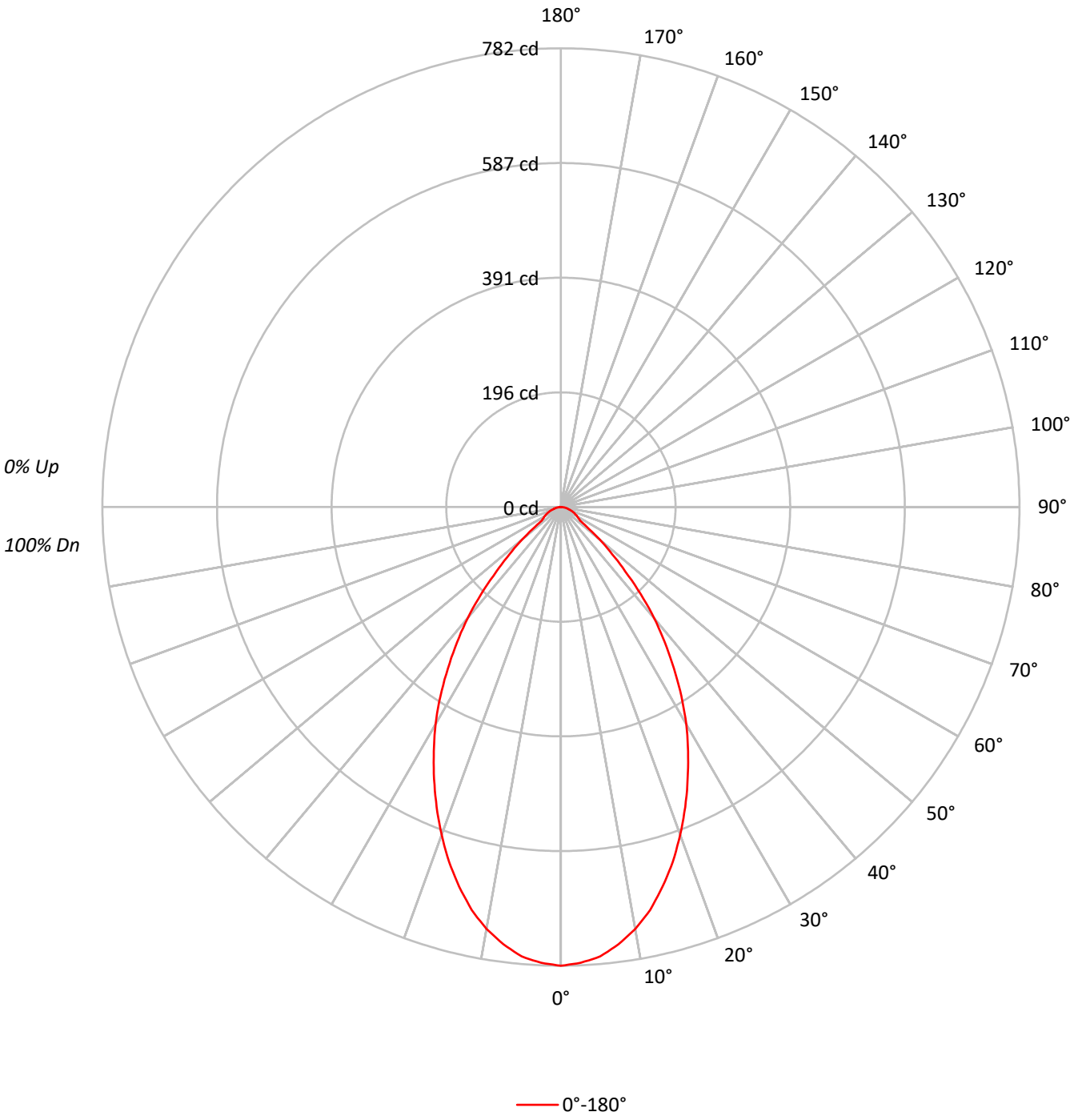
## Luminous Intensity Polar Plot



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## COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | 20 | | | 20 | | | 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 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 81 | 97 | 90 | 84 | 80 | 87 | 82 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 74 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 71 | 66 | 85 | 76 | 70 | 65 | 75 | 69 | 65 | 73 | 68 | 64 | 71 | 67 | 64 | 62 |
| 6 | 82 | 72 | 65 | 60 | 80 | 71 | 64 | 60 | 69 | 64 | 59 | 68 | 63 | 59 | 66 | 62 | 58 | 57 |
| 7 | 77 | 67 | 60 | 55 | 76 | 66 | 59 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 |
| 8 | 73 | 62 | 55 | 51 | 72 | 62 | 55 | 51 | 60 | 55 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 48 |
| 9 | 69 | 58 | 51 | 47 | 68 | 58 | 51 | 47 | 57 | 51 | 47 | 56 | 50 | 46 | 55 | 50 | 46 | 45 |
| 10 | 65 | 55 | 48 | 44 | 64 | 54 | 48 | 44 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 42 |

## AVERAGE LUMINANCE (cd/sqm):

| | 0° |
|---|---|
| 0° | 171477 |
| 5° | 169293 |
| 10° | 162611 |
| 15° | 152101 |
| 20° | 138752 |
| 25° | 123781 |
| 30° | 108270 |
| 35° | 89971 |
| 40° | 70904 |
| 45° | 48098 |
| 50° | 29406 |
| 55° | 15254 |
| 60° | 14166 |
| 65° | 13439 |
| 70° | 12438 |
| 75° | 10929 |
| 80° | 10860 |
| 85° | 8051 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 48098 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 72.1 | 7.9 |
| 10°-20° | 187.3 | 20.5 |
| 20°-30° | 234.5 | 25.7 |
| 30°-40° | 209.3 | 23.0 |
| 40°-50° | 122.6 | 13.4 |
| 50°-60° | 42.3 | 4.6 |
| 60°-70° | 25.6 | 2.8 |
| 70°-80° | 14.2 | 1.6 |
| 80°-90° | 4.1 | 0.5 |
| 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° | 493.9 | 54.2 |
| 0°-40° | 703.2 | 77.1 |
| 0°-60° | 868.1 | 95.2 |
| 0°-90° | 912.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 912.0 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | Flux |
|---|---|---|
| 0° | 782 | |
| 5° | 769 | 72 |
| 15° | 670 | 187 |
| 25° | 512 | 234 |
| 35° | 336 | 209 |
| 45° | 155 | 123 |
| 55° | 40 | 42 |
| 65° | 26 | 26 |
| 75° | 13 | 14 |
| 85° | 3 | 4 |
| 90° | 0 | |

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**CANDELA DISTRIBUTION (FULL):**

| | 0° |
|---|---|
| 0° | 782.0 |
| 2.5° | 777.7 |
| 5° | 769.1 |
| 7.5° | 751.8 |
| 10° | 730.3 |
| 12.5° | 703.4 |
| 15° | 670.0 |
| 17.5° | 634.4 |
| 20° | 594.6 |
| 22.5° | 553.7 |
| 25° | 511.6 |
| 27.5° | 469.6 |
| 30° | 427.6 |
| 32.5° | 382.4 |
| 35° | 336.1 |
| 37.5° | 290.8 |
| 40° | 247.7 |
| 42.5° | 201.4 |
| 45° | 155.1 |
| 47.5° | 118.5 |
| 50° | 86.2 |
| 52.5° | 56.0 |
| 55° | 39.9 |
| 57.5° | 35.5 |
| 60° | 32.3 |
| 62.5° | 29.1 |
| 65° | 25.9 |
| 67.5° | 22.6 |
| 70° | 19.4 |
| 72.5° | 16.2 |
| 75° | 12.9 |
| 77.5° | 10.8 |
| 80° | 8.6 |
| 82.5° | 5.4 |
| 85° | 3.2 |
| 87.5° | 2.2 |
| 90° | 0.0 |

(END OF REPORT)