

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: P1246474

Luminaire Tested: P3AS09R309024DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R309024DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

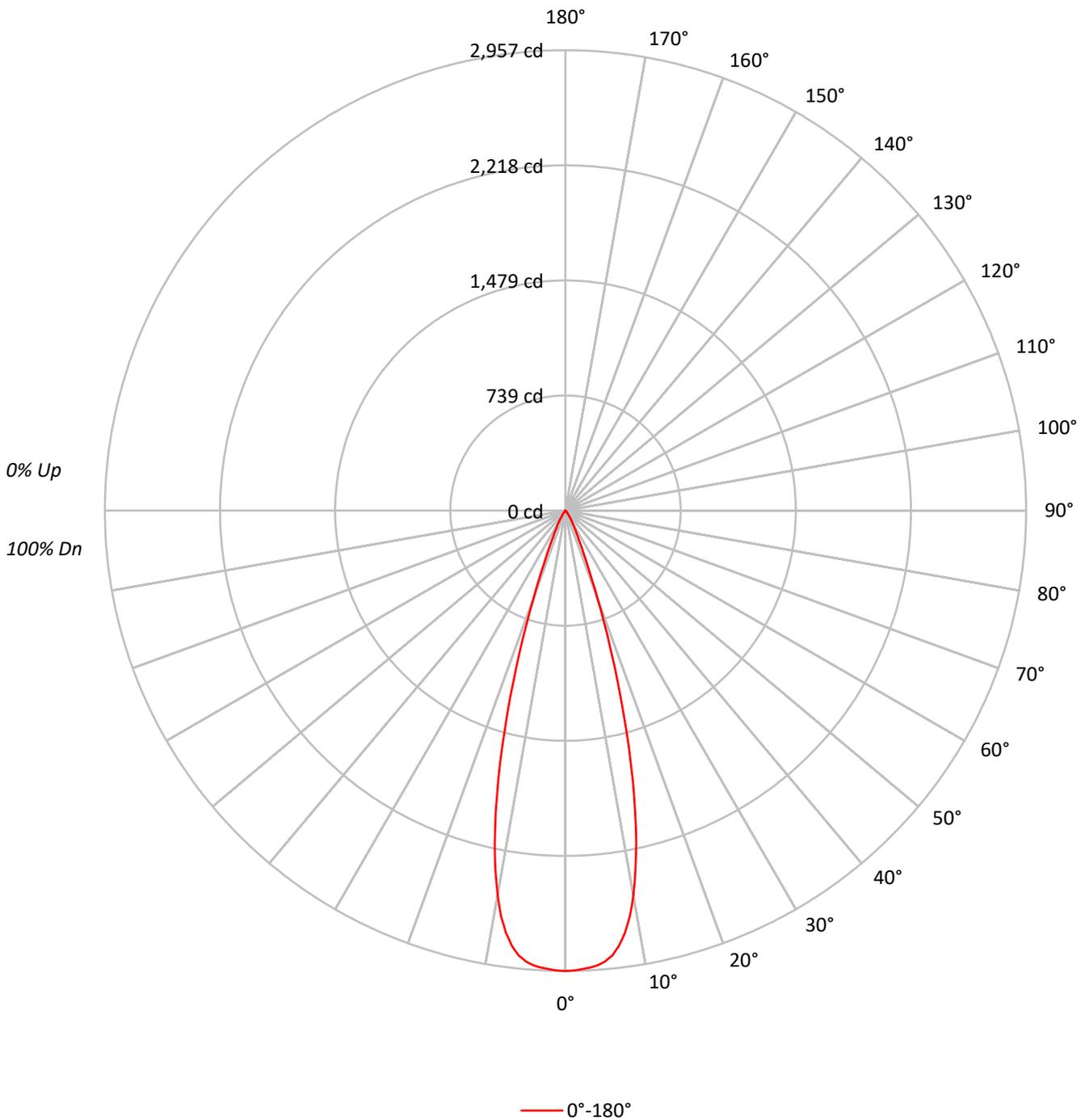
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 815.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 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 | 99 | 98 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 94 | 93 | 92 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 90 | 89 | 88 | 90 |
| 4 | 105 | 99 | 95 | 92 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 89 | 88 | 86 | 85 | 88 |
| 5 | 101 | 96 | 92 | 89 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | 83 | 82 | 85 |
| 6 | 99 | 92 | 88 | 85 | 97 | 92 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 81 | 80 | 82 |
| 7 | 96 | 89 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 80 | 79 | 78 | 80 |
| 8 | 93 | 87 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 78 | 77 | 76 | 78 |
| 9 | 91 | 84 | 80 | 77 | 90 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 | 75 | 74 | 76 |
| 10 | 88 | 82 | 78 | 75 | 88 | 81 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 80 | 77 | 75 | 74 | 73 | 72 | 74 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 648435 |
| 5° | 639972 |
| 10° | 558774 |
| 15° | 355167 |
| 20° | 140712 |
| 25° | 47011 |
| 30° | 21877 |
| 35° | 9905 |
| 40° | 3807 |
| 45° | 1861 |
| 50° | 546 |
| 55° | 229 |
| 60° | 132 |
| 65° | 156 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1861 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 265.8 | 32.6 |
| 10°-20° | 412.2 | 50.6 |
| 20°-30° | 106.3 | 13.0 |
| 30°-40° | 25.0 | 3.1 |
| 40°-50° | 4.9 | 0.6 |
| 50°-60° | 0.5 | 0.1 |
| 60°-70° | 0.3 | 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° | 784.3 | 96.2 |
| 0°-40° | 809.3 | 99.3 |
| 0°-60° | 814.7 | 100.0 |
| 0°-90° | 815.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 815.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2957 | |
| 5° | 2907 | 266 |
| 15° | 1564 | 412 |
| 25° | 194 | 106 |
| 35° | 37 | 25 |
| 45° | 6 | 5 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2957.1 |
| 1° | 2954.9 |
| 2° | 2947.9 |
| 3° | 2940.0 |
| 4° | 2928.3 |
| 5° | 2907.4 |
| 6° | 2873.6 |
| 7° | 2817.3 |
| 8° | 2740.4 |
| 9° | 2640.1 |
| 10° | 2509.5 |
| 11° | 2354.1 |
| 12° | 2184.5 |
| 13° | 1989.3 |
| 14° | 1785.0 |
| 15° | 1564.5 |
| 16° | 1348.4 |
| 17° | 1140.2 |
| 18° | 940.6 |
| 19° | 757.4 |
| 20° | 603.0 |
| 21° | 474.6 |
| 22° | 373.3 |
| 23° | 295.5 |
| 24° | 236.6 |
| 25° | 194.3 |
| 26° | 162.0 |
| 27° | 137.6 |
| 28° | 119.0 |
| 29° | 101.9 |
| 30° | 86.4 |
| 32.5° | 54.4 |
| 35° | 37.0 |
| 37.5° | 23.1 |
| 40° | 13.3 |
| 42.5° | 8.9 |
| 45° | 6.0 |
| 47.5° | 3.5 |
| 50° | 1.6 |
| 52.5° | 0.6 |
| 55° | 0.6 |
| 57.5° | 0.3 |
| 60° | 0.3 |
| 62.5° | 0.3 |
| 65° | 0.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 67.5° | 0.3 |
| 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 |
| 90° | 0.0 |

(END OF REPORT)