

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: P1250381

Luminaire Tested: P3AS24R409027D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R409027D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

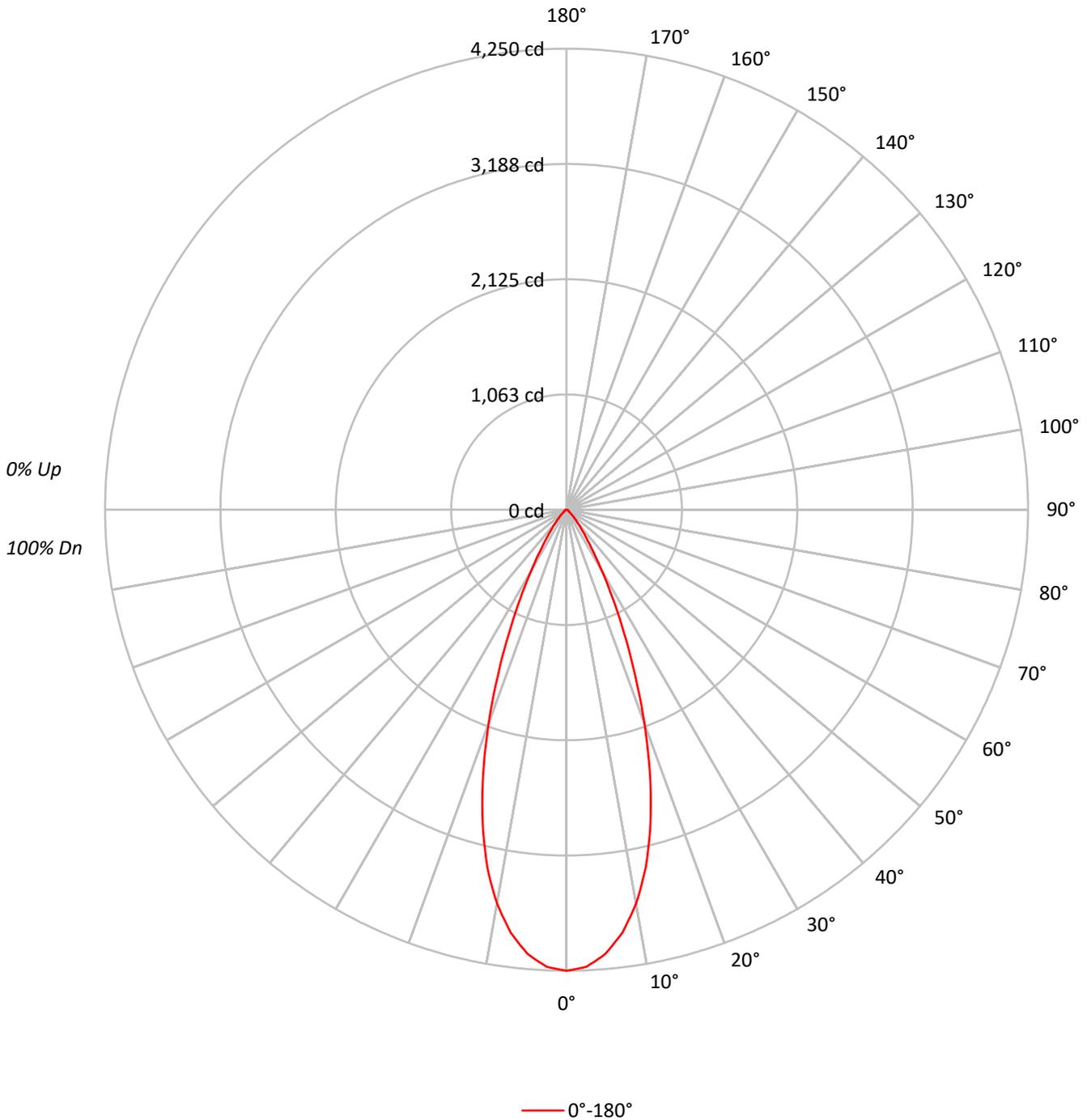
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 99 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 85 | 98 | 92 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 84 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 76 | 71 | 68 | 84 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 67 | 67 | 67 | 67 | 65 |
| 9 | 82 | 73 | 68 | 64 | 81 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 64 | 70 | 66 | 64 | 64 | 64 | 64 | 63 |
| 10 | 78 | 70 | 65 | 62 | 78 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 64 | 61 | 61 | 61 | 61 | 60 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 931899 |
| 5° | 904818 |
| 10° | 821094 |
| 15° | 678324 |
| 20° | 489319 |
| 25° | 302655 |
| 30° | 163848 |
| 35° | 84671 |
| 40° | 46058 |
| 45° | 25801 |
| 50° | 12963 |
| 55° | 9672 |
| 60° | 8727 |
| 65° | 8457 |
| 70° | 8142 |
| 75° | 7625 |
| 80° | 6819 |
| 85° | 4529 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25801 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 378.9 | 18.0 |
| 10°-20° | 813.6 | 38.6 |
| 20°-30° | 580.7 | 27.6 |
| 30°-40° | 213.7 | 10.1 |
| 40°-50° | 67.3 | 3.2 |
| 50°-60° | 23.4 | 1.1 |
| 60°-70° | 16.1 | 0.8 |
| 70°-80° | 9.5 | 0.5 |
| 80°-90° | 2.7 | 0.1 |
| 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° | 1773.2 | 84.2 |
| 0°-40° | 1986.9 | 94.3 |
| 0°-60° | 2077.7 | 98.7 |
| 0°-90° | 2106.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2106.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 4250 | |
| 5° | 4111 | 379 |
| 15° | 2988 | 814 |
| 25° | 1251 | 581 |
| 35° | 316 | 214 |
| 45° | 83 | 67 |
| 55° | 25 | 23 |
| 65° | 16 | 16 |
| 75° | 9 | 10 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 4249.8 |
| 2.5° | 4217.2 |
| 5° | 4110.6 |
| 7.5° | 3933.4 |
| 10° | 3687.6 |
| 12.5° | 3374.9 |
| 15° | 2988.0 |
| 17.5° | 2554.2 |
| 20° | 2096.9 |
| 22.5° | 1646.8 |
| 25° | 1250.9 |
| 27.5° | 918.3 |
| 30° | 647.1 |
| 32.5° | 453.7 |
| 35° | 316.3 |
| 37.5° | 224.1 |
| 40° | 160.9 |
| 42.5° | 115.7 |
| 45° | 83.2 |
| 47.5° | 56.0 |
| 50° | 38.0 |
| 52.5° | 27.1 |
| 55° | 25.3 |
| 57.5° | 23.5 |
| 60° | 19.9 |
| 62.5° | 18.1 |
| 65° | 16.3 |
| 67.5° | 14.5 |
| 70° | 12.7 |
| 72.5° | 10.8 |
| 75° | 9.0 |
| 77.5° | 7.2 |
| 80° | 5.4 |
| 82.5° | 3.6 |
| 85° | 1.8 |
| 87.5° | 1.8 |
| 90° | 0.0 |

(END OF REPORT)