

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: P1297147

Luminaire Tested: P3AS13R40W2N902765DE010 E3D1LI_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRIS
Catalog Number: P3AS13R40W2N902765DE010 E3D1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

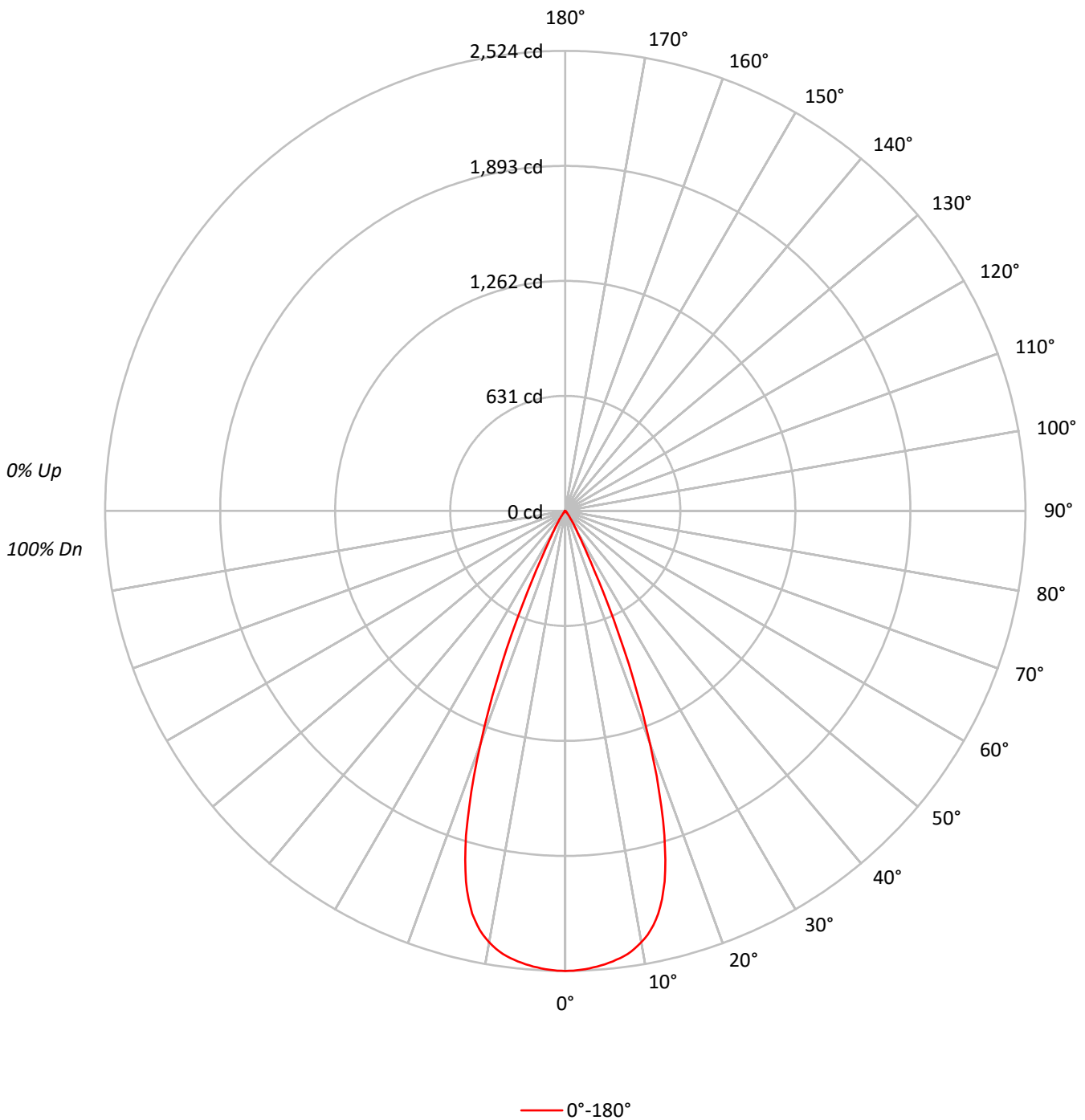
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1086.1 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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 | |
| 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 | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 96 | 95 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 88 |
| 4 | 103 | 97 | 93 | 90 | 101 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 85 |
| 5 | 99 | 93 | 89 | 85 | 98 | 92 | 88 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 |
| 6 | 96 | 89 | 85 | 81 | 95 | 89 | 84 | 81 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 79 |
| 7 | 93 | 86 | 81 | 78 | 92 | 85 | 81 | 78 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 76 |
| 8 | 90 | 83 | 78 | 75 | 89 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 74 | 79 | 76 | 74 | 73 |
| 9 | 87 | 80 | 75 | 72 | 86 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 70 |
| 10 | 84 | 77 | 72 | 70 | 83 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 72 | 69 | 74 | 71 | 69 | 68 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 553552 |
| 5° | 549569 |
| 10° | 535172 |
| 15° | 478050 |
| 20° | 316988 |
| 25° | 118749 |
| 30° | 31777 |
| 35° | 12421 |
| 40° | 4466 |
| 45° | 2109 |
| 50° | 648 |
| 55° | 306 |
| 60° | 175 |
| 65° | 208 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2109 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 235.6 | 21.7 |
| 10°-20° | 558.0 | 51.4 |
| 20°-30° | 253.0 | 23.3 |
| 30°-40° | 32.8 | 3.0 |
| 40°-50° | 5.7 | 0.5 |
| 50°-60° | 0.7 | 0.1 |
| 60°-70° | 0.2 | 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° | 1046.6 | 96.4 |
| 0°-40° | 1079.4 | 99.4 |
| 0°-60° | 1085.8 | 100.0 |
| 0°-90° | 1086.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1086.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2524 | |
| 5° | 2497 | 236 |
| 15° | 2106 | 558 |
| 25° | 491 | 253 |
| 35° | 46 | 33 |
| 45° | 7 | 6 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2524.4 |
| 1° | 2522.9 |
| 2° | 2519.1 |
| 3° | 2513.4 |
| 4° | 2506.2 |
| 5° | 2496.7 |
| 6° | 2485.7 |
| 7° | 2472.0 |
| 8° | 2455.2 |
| 9° | 2432.4 |
| 10° | 2403.5 |
| 11° | 2369.7 |
| 12° | 2324.5 |
| 13° | 2268.6 |
| 14° | 2195.6 |
| 15° | 2105.8 |
| 16° | 1991.4 |
| 17° | 1861.0 |
| 18° | 1704.4 |
| 19° | 1539.0 |
| 20° | 1358.4 |
| 21° | 1177.8 |
| 22° | 999.9 |
| 23° | 822.7 |
| 24° | 648.6 |
| 25° | 490.8 |
| 26° | 363.5 |
| 27° | 266.1 |
| 28° | 200.0 |
| 29° | 155.5 |
| 30° | 125.5 |
| 31° | 103.8 |
| 32° | 86.7 |
| 32.5° | 79.1 |
| 33° | 71.5 |
| 34° | 58.2 |
| 35° | 46.4 |
| 36° | 36.5 |
| 37° | 28.9 |
| 37.5° | 25.9 |
| 38° | 22.8 |
| 39° | 19.0 |
| 40° | 15.6 |
| 42.5° | 10.3 |
| 45° | 6.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 47.5° | 4.2 |
| 50° | 1.9 |
| 52.5° | 0.8 |
| 55° | 0.8 |
| 57.5° | 0.4 |
| 60° | 0.4 |
| 62.5° | 0.4 |
| 65° | 0.4 |
| 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 |
| 90° | 0.0 |

(END OF REPORT)