

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: P1257860

Luminaire Tested: P3AS17R509040DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509040DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

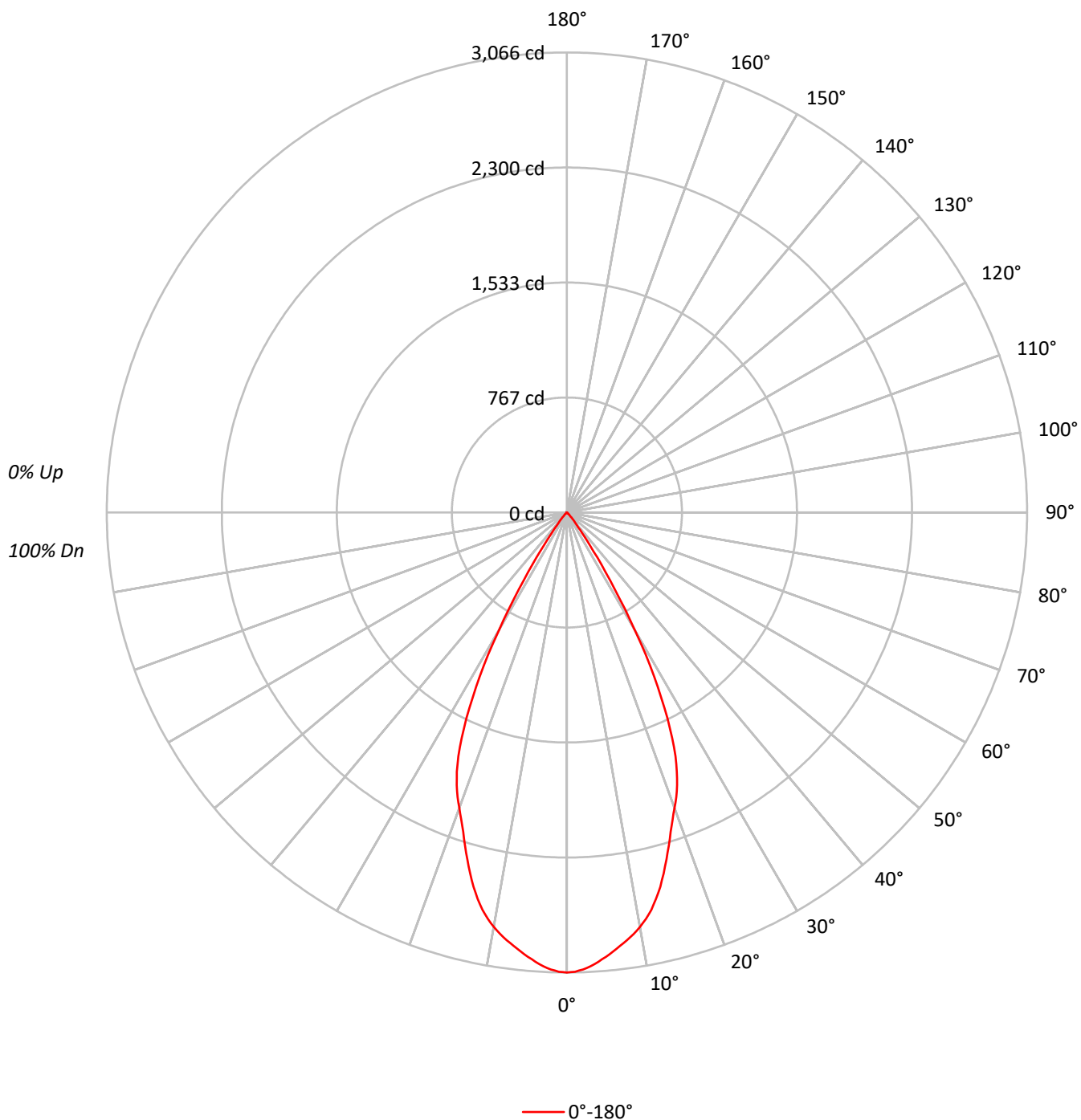
Lumens per Lamp: N/A
Luminaire Lumens: 1924.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	672358
5°	654456
10°	624549
15°	565406
20°	489156
25°	401225
30°	230491
35°	71608
40°	19236
45°	6729
50°	1637
55°	535
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.5	14.5
10°-20°	690.1	35.9
20°-30°	725.3	37.7
30°-40°	207.6	10.8
40°-50°	20.3	1.1
50°-60°	1.7	0.1
60°-70°	0.6	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°	1693.9	88.0
0°-40°	1901.5	98.8
0°-60°	1923.4	100.0
0°-90°	1924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1924.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3066	
5°	2973	278
15°	2491	690
25°	1658	725
35°	268	208
45°	22	20
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3066.2
1°	3061.5
2°	3047.9
3°	3028.2
4°	3001.7
5°	2973.2
6°	2942.7
7°	2910.1
8°	2879.5
9°	2844.2
10°	2804.9
11°	2759.4
12°	2707.1
13°	2642.0
14°	2571.4
15°	2490.6
16°	2405.0
17°	2322.2
18°	2237.4
19°	2162.7
20°	2096.2
21°	2032.4
22°	1959.7
23°	1876.2
24°	1778.5
25°	1658.3
26°	1528.0
27°	1382.7
28°	1238.2
29°	1082.0
30°	910.3
31°	749.4
32°	601.4
32.5°	536.9
33°	471.8
34°	361.8
35°	267.5
36°	196.2
37°	145.9
37.5°	126.3
38°	109.3
39°	84.9
40°	67.2
42.5°	38.0
45°	21.7



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	12.2
50°	4.8
52.5°	2.0
55°	1.4
57.5°	1.4
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
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)