

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: P1260457

Luminaire Tested: P3AS17R509050DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260457
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: P3AS17R509050DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

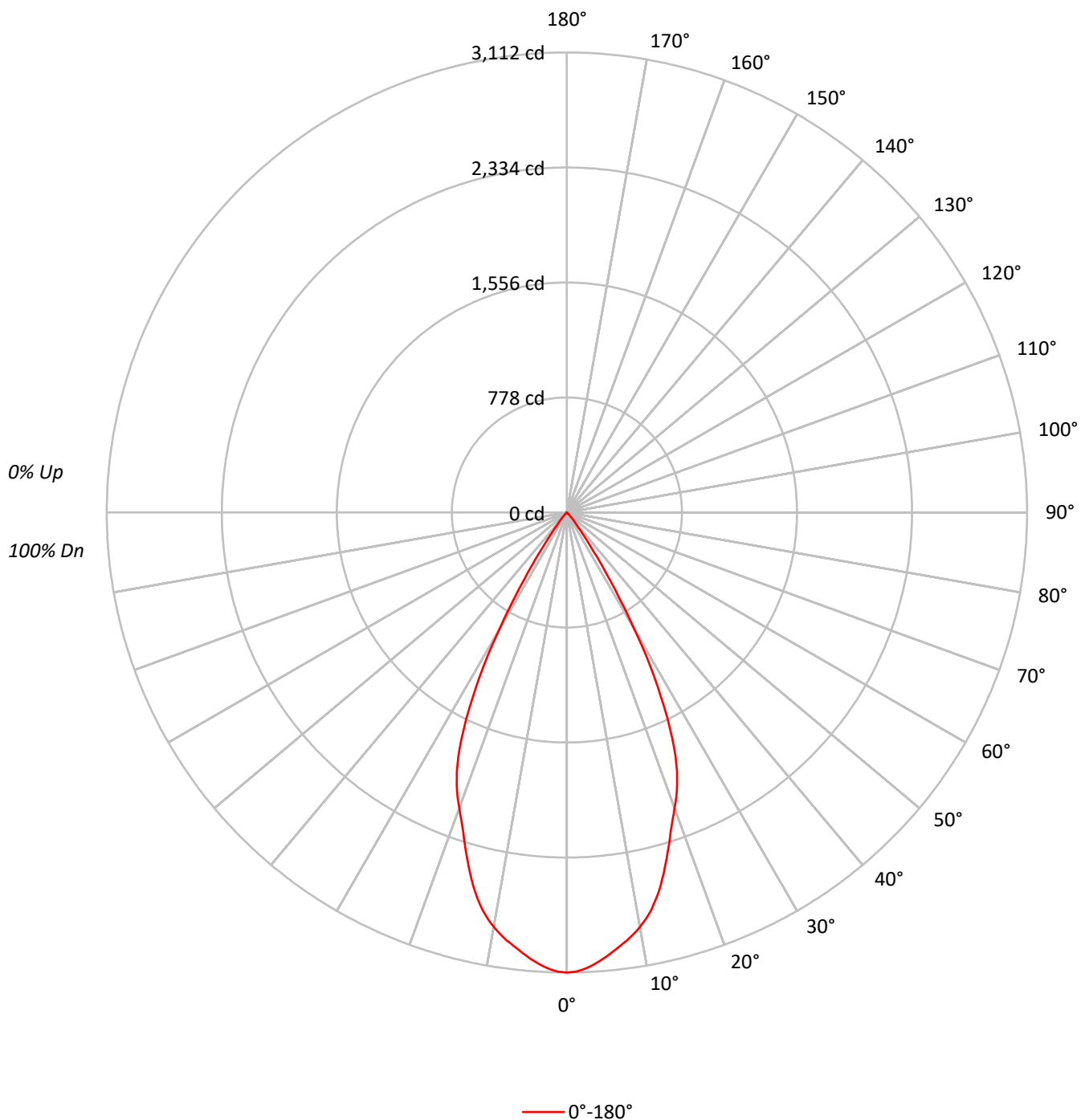
Lumens per Lamp: N/A
Luminaire Lumens: 1953.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	682489
5°	664317
10°	633945
15°	573919
20°	496530
25°	407274
30°	233960
35°	72678
40°	19522
45°	6822
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: 6822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.7	14.5
10°-20°	700.5	35.9
20°-30°	736.2	37.7
30°-40°	210.7	10.8
40°-50°	20.6	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°	1719.4	88.0
0°-40°	1930.1	98.8
0°-60°	1952.4	100.0
0°-90°	1953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1953.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3112	
5°	3018	283
15°	2528	700
25°	1683	736
35°	272	211
45°	22	21
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3112.4
1°	3107.6
2°	3093.8
3°	3073.8
4°	3047.0
5°	3018.0
6°	2987.0
7°	2953.9
8°	2922.9
9°	2887.1
10°	2847.1
11°	2801.0
12°	2747.9
13°	2681.8
14°	2610.1
15°	2528.1
16°	2441.3
17°	2357.2
18°	2271.1
19°	2195.3
20°	2127.8
21°	2063.0
22°	1989.3
23°	1904.5
24°	1805.3
25°	1683.3
26°	1551.0
27°	1403.6
28°	1256.8
29°	1098.3
30°	924.0
31°	760.7
32°	610.5
32.5°	545.0
33°	478.9
34°	367.3
35°	271.5
36°	199.1
37°	148.1
37.5°	128.2
38°	110.9
39°	86.1
40°	68.2
42.5°	38.6
45°	22.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	12.4
50°	4.8
52.5°	2.1
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)