

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: P1252446

Luminaire Tested: P3AS17R509030DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252446
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: P3AS17R509030DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

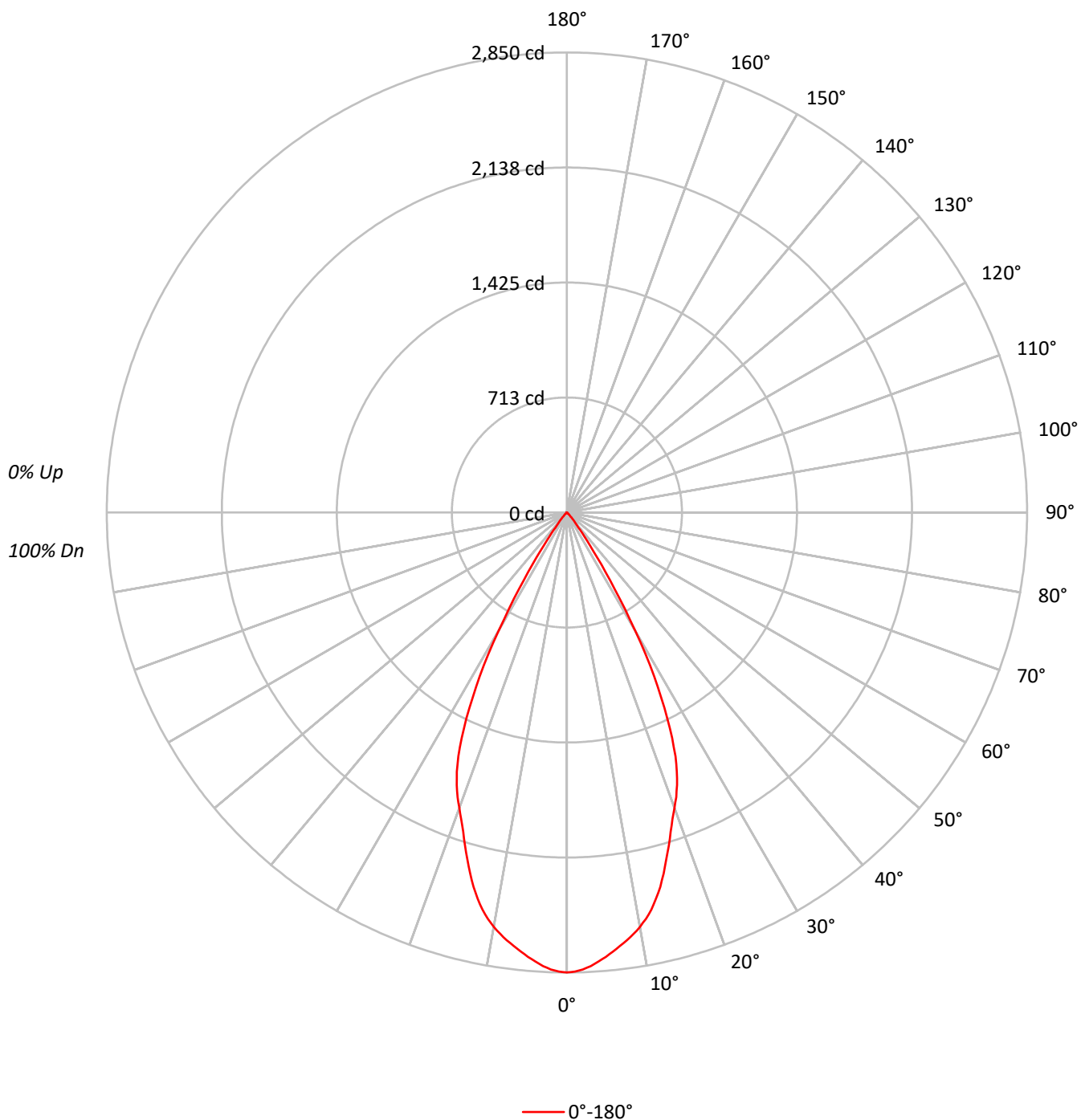
Lumens per Lamp: N/A
Luminaire Lumens: 1788.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	624840
5°	608209
10°	580395
15°	525429
20°	454573
25°	372868
30°	214185
35°	66522
40°	17891
45°	6264
50°	1501
55°	497
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.8	14.5
10°-20°	641.3	35.9
20°-30°	674.0	37.7
30°-40°	192.9	10.8
40°-50°	18.9	1.1
50°-60°	1.5	0.1
60°-70°	0.5	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°	1574.1	88.0
0°-40°	1767.1	98.8
0°-60°	1787.5	100.0
0°-90°	1788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1788.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2850	
5°	2763	259
15°	2314	641
25°	1541	674
35°	248	193
45°	20	19
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2849.5
1°	2845.1
2°	2832.4
3°	2814.1
4°	2789.5
5°	2763.1
6°	2734.7
7°	2704.4
8°	2676.0
9°	2643.2
10°	2606.6
11°	2564.3
12°	2515.8
13°	2455.2
14°	2389.6
15°	2314.5
16°	2235.0
17°	2158.1
18°	2079.2
19°	2009.8
20°	1948.0
21°	1888.7
22°	1821.2
23°	1743.6
24°	1652.8
25°	1541.1
26°	1420.0
27°	1285.0
28°	1150.6
29°	1005.5
30°	845.9
31°	696.4
32°	558.9
32.5°	499.0
33°	438.4
34°	336.2
35°	248.5
36°	182.3
37°	135.6
37.5°	117.3
38°	101.6
39°	78.9
40°	62.5
42.5°	35.3
45°	20.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	11.4
50°	4.4
52.5°	1.9
55°	1.3
57.5°	1.3
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
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)