

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: P1274817

Luminaire Tested: P3AS20R509830D010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274817
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: P3AS20R509830D010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

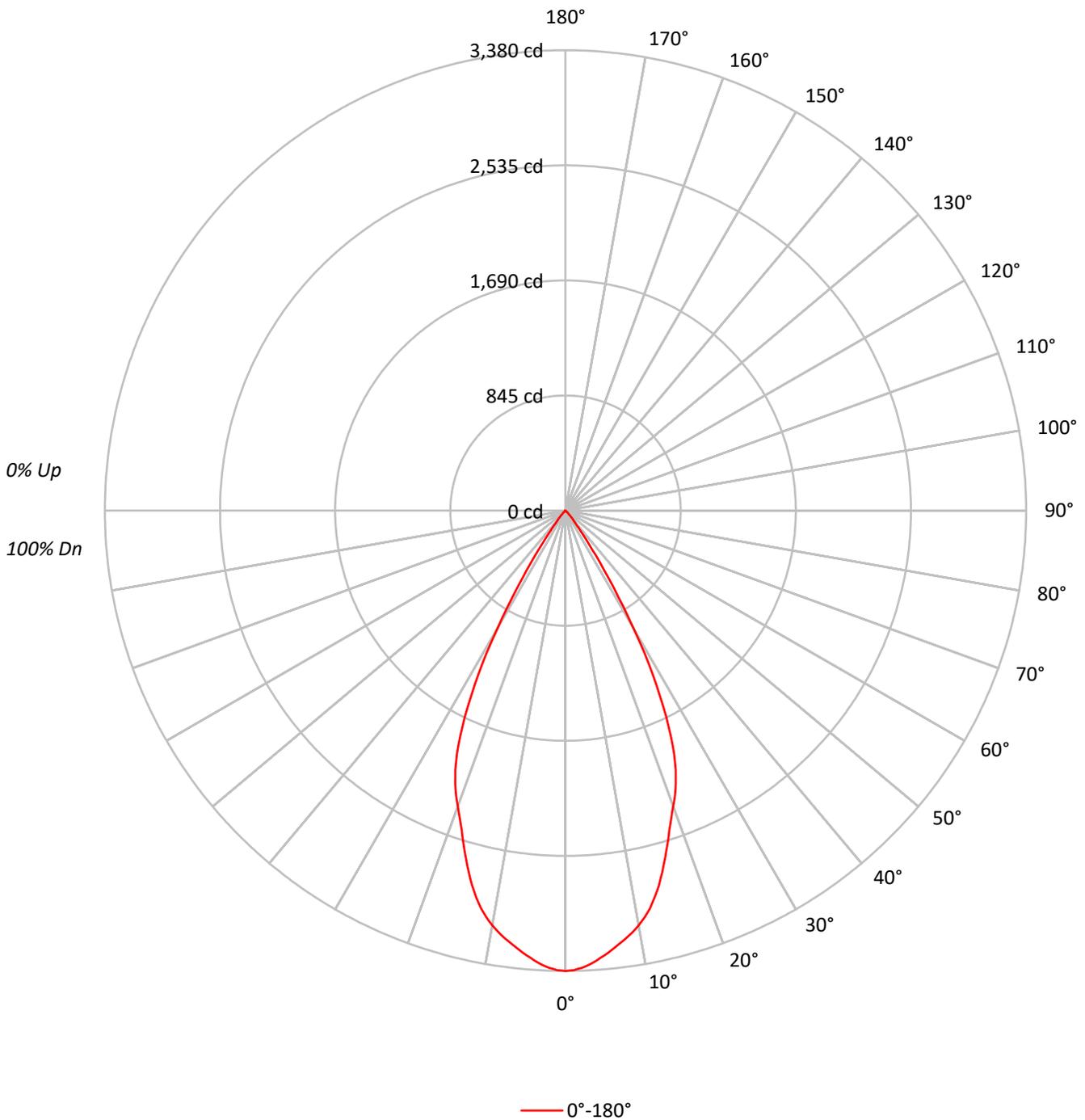
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2120.9 lumens
Efficiency: N/A
Efficacy: 77.4 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): 27.4
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	100				100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90				90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85				85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80				80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76				76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72				72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68				68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65				65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62				62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59				59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	741213
5°	721460
10°	688498
15°	623295
20°	539234
25°	442308
30°	254090
35°	78916
40°	21211
45°	7412
50°	1774
55°	573
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7412 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.0	14.5
10°-20°	760.7	35.9
20°-30°	799.6	37.7
30°-40°	228.8	10.8
40°-50°	22.4	1.1
50°-60°	1.8	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°	1867.3	88.0
0°-40°	2096.2	98.8
0°-60°	2120.3	100.0
0°-90°	2120.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2120.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3380	
5°	3278	307
15°	2746	761
25°	1828	800
35°	295	229
45°	24	22
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3380.2
1°	3374.9
2°	3360.0
3°	3338.3
4°	3309.1
5°	3277.6
6°	3244.0
7°	3208.1
8°	3174.4
9°	3135.5
10°	3092.1
11°	3041.9
12°	2984.3
13°	2912.5
14°	2834.6
15°	2745.6
16°	2651.3
17°	2560.0
18°	2466.5
19°	2384.2
20°	2310.8
21°	2240.5
22°	2160.4
23°	2068.4
24°	1960.6
25°	1828.1
26°	1684.5
27°	1524.3
28°	1364.9
29°	1192.8
30°	1003.5
31°	826.1
32°	663.0
32.5°	591.9
33°	520.1
34°	398.9
35°	294.8
36°	216.3
37°	160.9
37.5°	139.2
38°	120.5
39°	93.5
40°	74.1
42.5°	41.9
45°	23.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	13.5
50°	5.2
52.5°	2.2
55°	1.5
57.5°	1.5
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)