Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1271368

Luminaire Tested: P3AS05R509827DE010 E3D1LI

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1271368
	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:	P3AS05R509827DE010 E3D1LI
Description:	3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3D1LI TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	479.0 lumens
Efficiency:	N/A
Efficacy:	66.5 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):	7.2
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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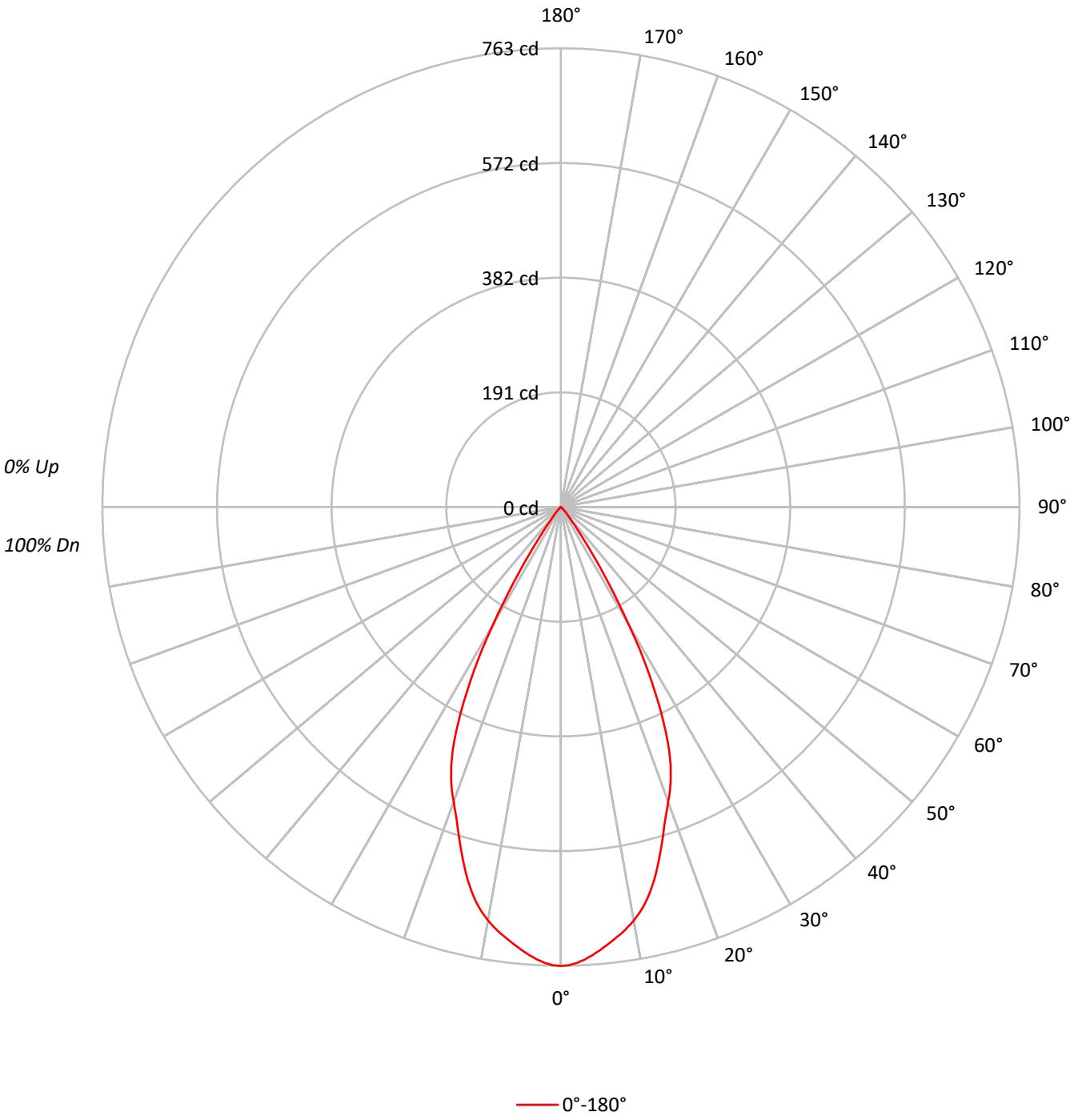
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167399
5°	162932
10°	155486
15°	140773
20°	121787
25°	99901
30°	57376
35°	17828
40°	4780
45°	1675
50°	409
55°	115
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	14.5
10°-20°	171.8	35.9
20°-30°	180.6	37.7
30°-40°	51.7	10.8
40°-50°	5.0	1.1
50°-60°	0.4	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°	421.7	88.0
0°-40°	473.4	98.8
0°-60°	478.8	100.0
0°-90°	479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	479.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	763	
5°	740	69
15°	620	172
25°	413	181
35°	67	52
45°	5	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	763.4
1°	762.2
2°	758.8
3°	753.9
4°	747.3
5°	740.2
6°	732.6
7°	724.5
8°	716.9
9°	708.1
10°	698.3
11°	687.0
12°	674.0
13°	657.7
14°	640.2
15°	620.1
16°	598.8
17°	578.1
18°	557.0
19°	538.4
20°	521.9
21°	506.0
22°	487.9
23°	467.1
24°	442.8
25°	412.9
26°	380.4
27°	344.2
28°	308.3
29°	269.4
30°	226.6
31°	186.6
32°	149.7
32.5°	133.7
33°	117.5
34°	90.1
35°	66.6
36°	48.8
37°	36.3
37.5°	31.4
38°	27.2
39°	21.1
40°	16.7
42.5°	9.5
45°	5.4

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	*3.0*
50°	*1.2*
52.5°	*0.5*
55°	*0.3*
57.5°	*0.3*
60°	*0.2*
62.5°	*0.2*
65°	*0.2*
67.5°	*0.2*
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)