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: P1272751

Luminaire Tested: P3AS20R509827D010 E3D1WMH

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1272751
	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:	P3AS20R509827D010 E3D1WMH
Description:	3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1976.0 lumens
Efficiency:	N/A
Efficacy:	72.1 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):	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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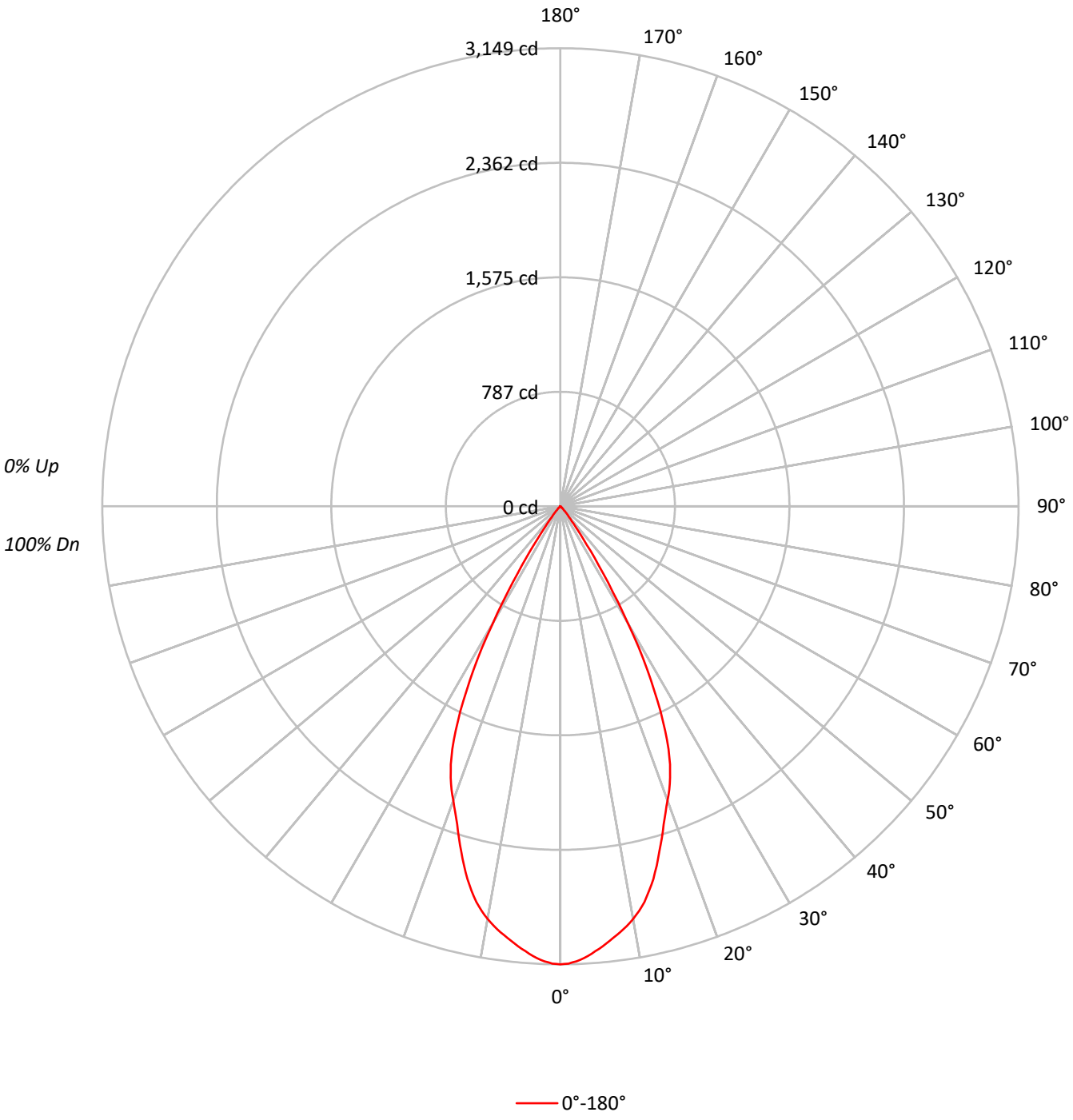
Luminous Intensity Polar Plot



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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	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°	690537
5°	672153
10°	641427
15°	580684
20°	502364
25°	412088
30°	236720
35°	73535
40°	19751
45°	6915
50°	1672
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: 6915 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.0	14.5
10°-20°	708.7	35.9
20°-30°	744.9	37.7
30°-40°	213.2	10.8
40°-50°	20.8	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°	1739.7	88.0
0°-40°	1952.9	98.8
0°-60°	1975.4	100.0
0°-90°	1976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1976.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3149	
5°	3054	286
15°	2558	709
25°	1703	745
35°	275	213
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°	3149.1
1°	3144.2
2°	3130.3
3°	3110.0
4°	3082.9
5°	3053.6
6°	3022.2
7°	2988.7
8°	2957.4
9°	2921.1
10°	2880.7
11°	2834.0
12°	2780.3
13°	2713.4
14°	2640.9
15°	2557.9
16°	2470.0
17°	2385.0
18°	2297.8
19°	2221.2
20°	2152.8
21°	2087.3
22°	2012.7
23°	1927.0
24°	1826.6
25°	1703.2
26°	1569.3
27°	1420.1
28°	1271.6
29°	1111.3
30°	934.9
31°	769.7
32°	617.7
32.5°	551.5
33°	484.5
34°	371.6
35°	274.7
36°	201.5
37°	149.9
37.5°	129.7
38°	112.2
39°	87.1
40°	69.0
42.5°	39.0
45°	22.3

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	*12.5*
50°	*4.9*
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)