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: P1247376

Luminaire Tested: P3A17R509024DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1247376
	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:	P3A17R509024DE010 E3D1H
Description:	3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3D1H TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1577.1 lumens
Efficiency:	N/A
Efficacy:	74.4 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):	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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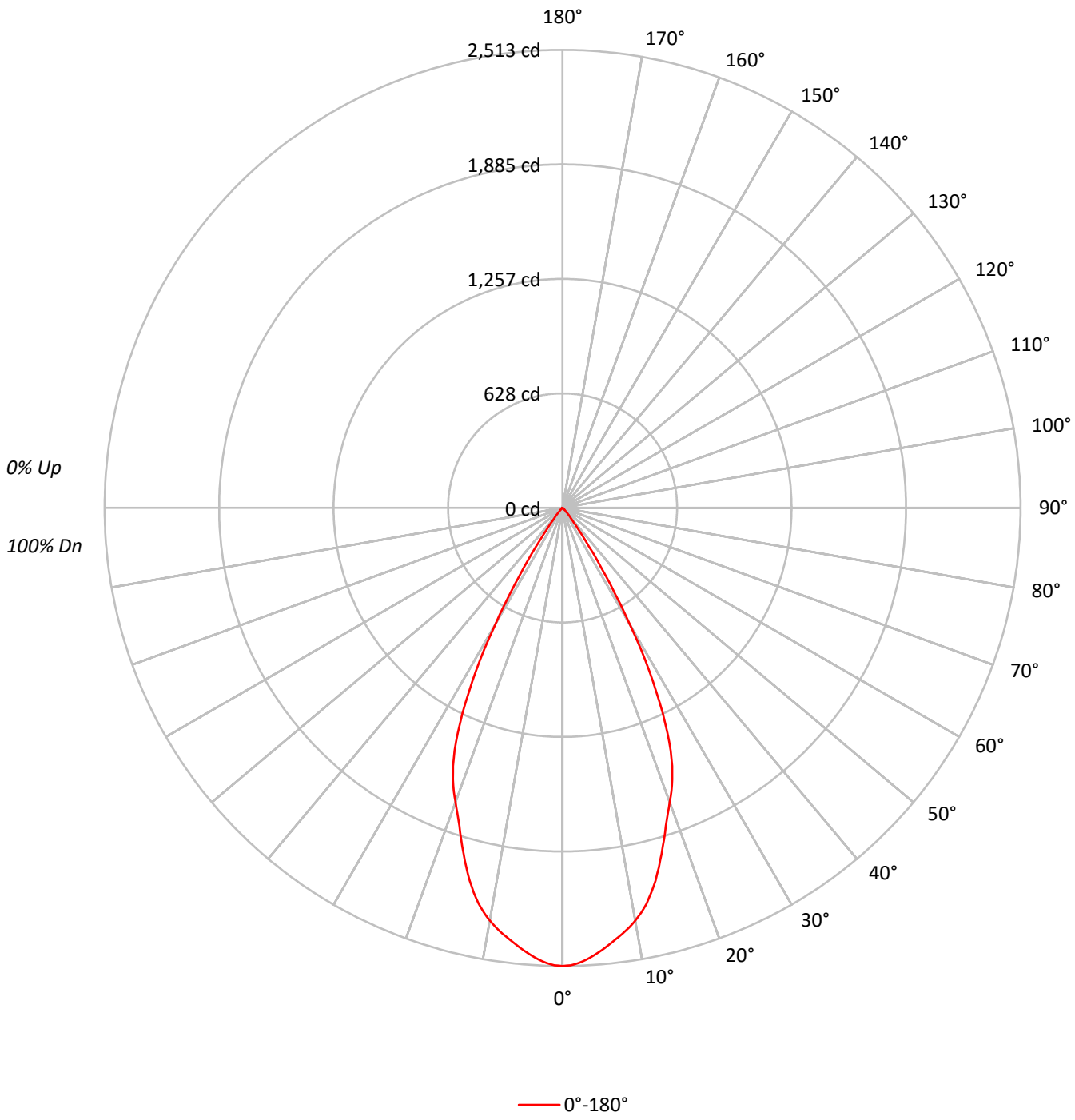
CATALOG NUMBER: P3A17R509024DE010 E3D1H

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°	551096
5°	536428
10°	511903
15°	463431
20°	400925
25°	328882
30°	188915
35°	58678
40°	15772
45°	5520
50°	1330
55°	421
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	14.5
10°-20°	565.6	35.9
20°-30°	594.5	37.7
30°-40°	170.2	10.8
40°-50°	16.6	1.1
50°-60°	1.4	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°	1388.4	88.0
0°-40°	1558.6	98.8
0°-60°	1576.5	100.0
0°-90°	1577.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2513	
5°	2437	228
15°	2041	566
25°	1359	595
35°	219	170
45°	18	17
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2513.2
1°	2509.3
2°	2498.2
3°	2482.1
4°	2460.4
5°	2437.0
6°	2411.9
7°	2385.2
8°	2360.2
9°	2331.3
10°	2299.0
11°	2261.7
12°	2218.9
13°	2165.5
14°	2107.6
15°	2041.4
16°	1971.3
17°	1903.4
18°	1833.9
19°	1772.7
20°	1718.1
21°	1665.8
22°	1606.3
23°	1537.9
24°	1457.7
25°	1359.3
26°	1252.4
27°	1133.4
28°	1014.9
29°	886.9
30°	746.1
31°	614.3
32°	493.0
32.5°	440.1
33°	386.7
34°	296.6
35°	219.2
36°	160.8
37°	119.6
37.5°	103.5
38°	89.6
39°	69.5
40°	55.1
42.5°	31.2
45°	17.8

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	*10.0*
50°	*3.9*
52.5°	*1.7*
55°	*1.1*
57.5°	*1.1*
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)