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: P1297841

Luminaire Tested: P3A13R50W2N902765DE010 E3DLP1H_3000K

Issue Date: 1/30/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1297841
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab:	INNOVATION CENTER
Issue Date:	1/30/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3A13R50W2N902765DE010 E3DLP1H_3000K
Description:	3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3DLP1H TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	564.0 lumens
Efficiency:	N/A
Efficacy:	45.9 lumens/watt
Spacing Criteria (0/90/45):	0.75 / 0.75 / 0.77
Luminous Opening:	Circular (Dia: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	12.3
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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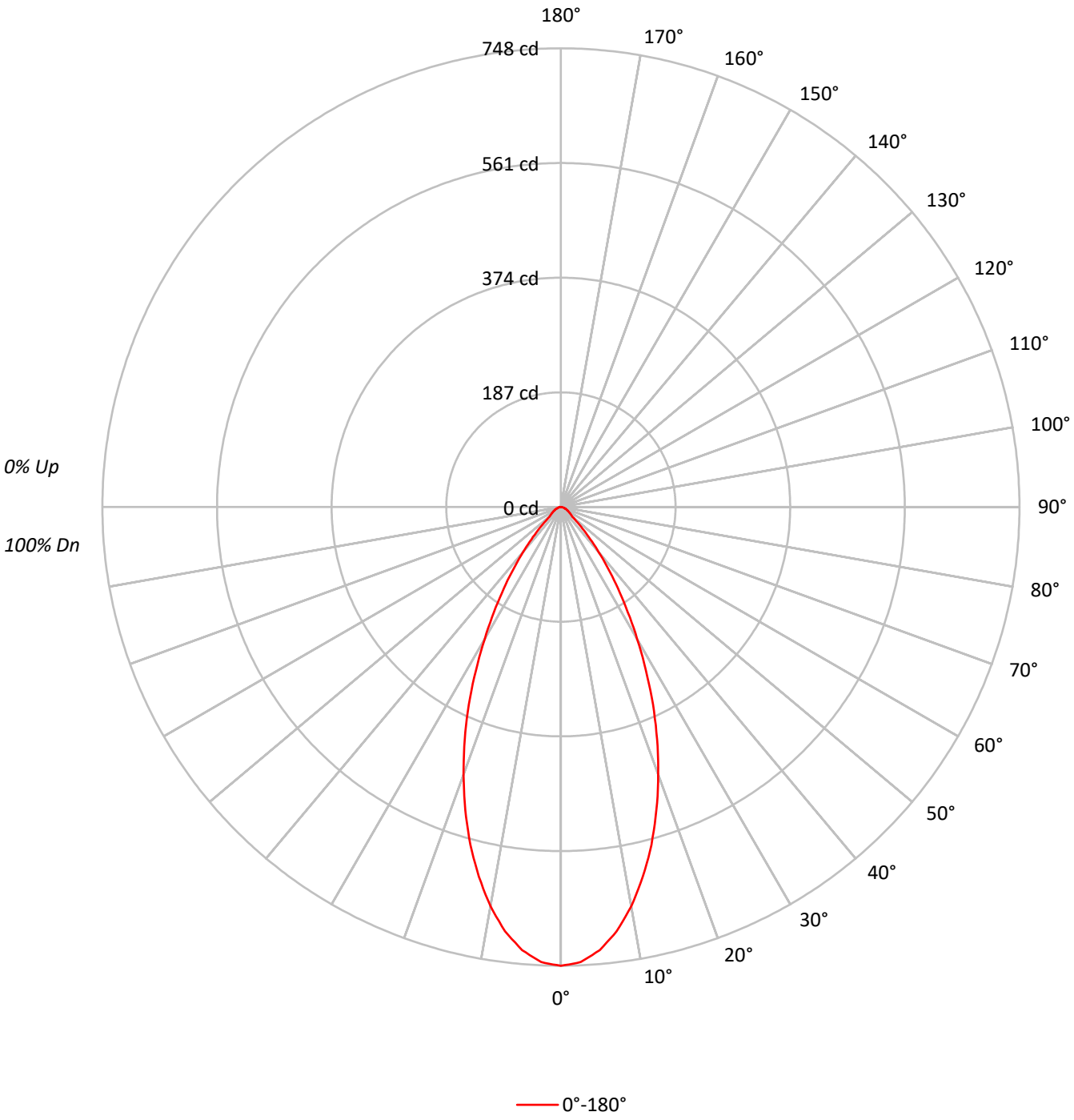
Luminous Intensity Polar Plot



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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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164044
5°	159630
10°	147203
15°	129445
20°	108299
25°	85892
30°	62997
35°	43313
40°	27537
45°	15381
50°	8324
55°	6996
60°	6008
65°	5552
70°	4873
75°	4490
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 15381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	11.9
10°-20°	157.9	28.0
20°-30°	161.5	28.6
30°-40°	102.4	18.2
40°-50°	40.8	7.2
50°-60°	16.5	2.9
60°-70°	10.6	1.9
70°-80°	5.4	1.0
80°-90°	1.7	0.3
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°	386.6	68.6
0°-40°	489.0	86.7
0°-60°	546.3	96.9
0°-90°	564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	564.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	748	
5°	725	67
15°	570	158
25°	355	162
35°	162	102
45°	50	41
55°	18	16
65°	11	11
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	748.1
2.5°	742.7
5°	725.2
7.5°	697.7
10°	661.1
12.5°	617.5
15°	570.2
17.5°	518.3
20°	464.1
22.5°	409.9
25°	355.0
27.5°	300.0
30°	248.8
32.5°	203.0
35°	161.8
37.5°	126.7
40°	96.2
42.5°	71.0
45°	49.6
47.5°	33.6
50°	24.4
52.5°	20.6
55°	18.3
57.5°	16.0
60°	13.7
62.5°	12.2
65°	10.7
67.5°	9.2
70°	7.6
72.5°	6.1
75°	5.3
77.5°	3.8
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)