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: P1299089

Luminaire Tested: P3A13R70W2N902765DE010 E3DLP1WMH_6500K

Issue Date: 1/30/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1299089
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab:	INNOVATION CENTER
Issue Date:	1/30/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3A13R70W2N902765DE010 E3DLP1WMH_6500K
Description:	3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI , E3DLP1WMH TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	554.0 lumens
Efficiency:	N/A
Efficacy:	45.0 lumens/watt
Spacing Criteria (0/90/45):	0.82 / 0.82 / 0.87
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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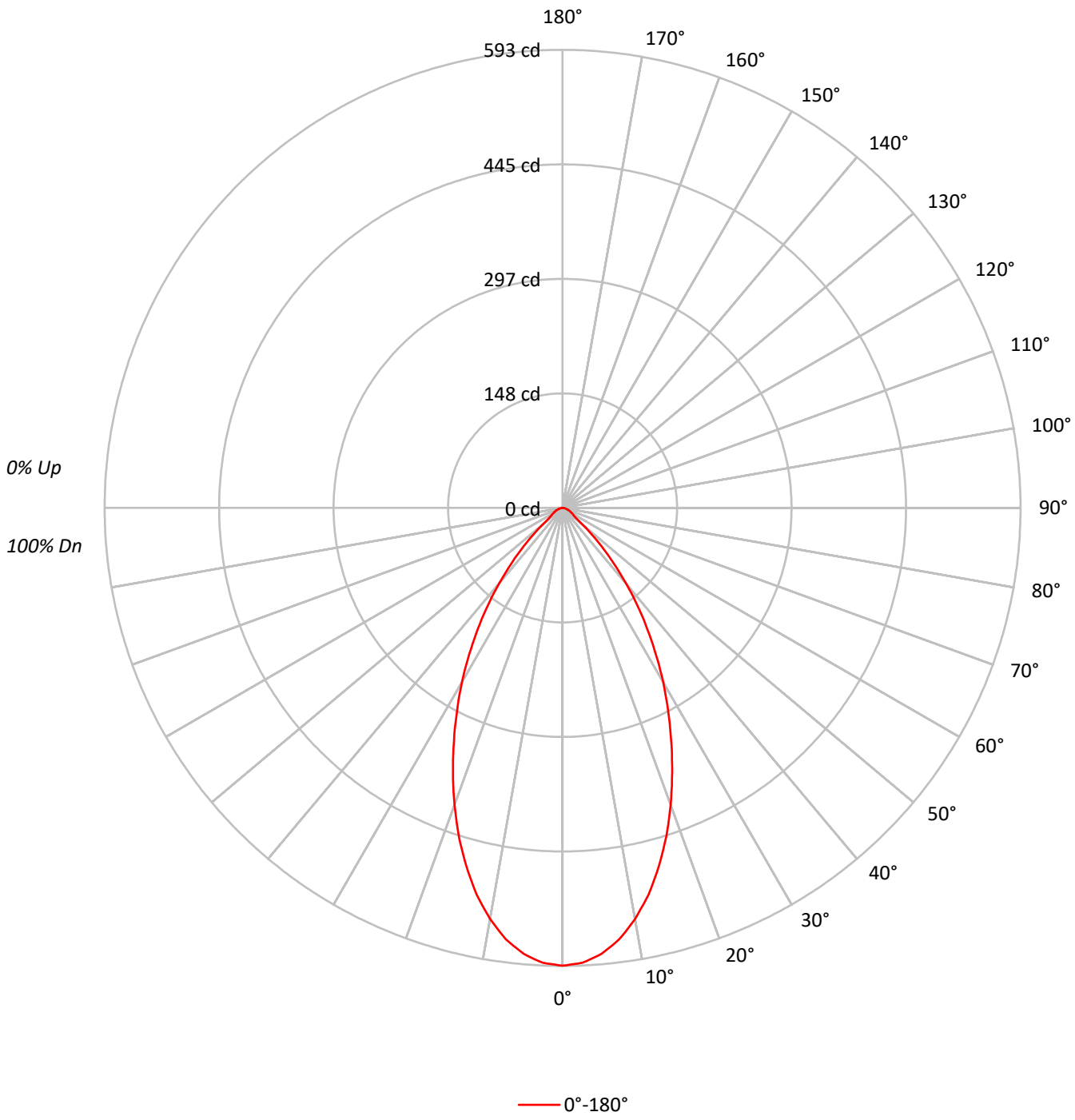
Luminous Intensity Polar Plot



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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	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49
10	69	58	52	48	67	58	52	48	57	51	48	56	51	48	55	51	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129946
5°	127559
10°	120283
15°	109172
20°	95488
25°	80545
30°	65960
35°	51156
40°	36611
45°	23165
50°	11565
55°	7073
60°	6096
65°	5604
70°	4937
75°	4575
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 23165 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	9.8
10°-20°	133.8	24.2
20°-30°	152.4	27.5
30°-40°	119.1	21.5
40°-50°	58.5	10.6
50°-60°	18.0	3.2
60°-70°	10.7	1.9
70°-80°	5.7	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°	340.3	61.4
0°-40°	459.4	82.9
0°-60°	535.9	96.7
0°-90°	554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	593	
5°	580	54
15°	481	134
25°	333	152
35°	191	119
45°	75	59
55°	18	18
65°	11	11
75°	5	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	592.6
2.5°	589.5
5°	579.5
7.5°	563.3
10°	540.2
12.5°	513.2
15°	480.9
17.5°	446.2
20°	409.2
22.5°	370.7
25°	332.9
27.5°	295.9
30°	260.5
32.5°	225.0
35°	191.1
37.5°	158.7
40°	127.9
42.5°	99.4
45°	74.7
47.5°	52.4
50°	33.9
52.5°	22.3
55°	18.5
57.5°	16.2
60°	13.9
62.5°	12.3
65°	10.8
67.5°	9.2
70°	7.7
72.5°	6.2
75°	5.4
77.5°	4.6
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)