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

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1503603

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-BRSS-XX (4000K-650LM)

Issue Date: 7/28/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1503603
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-6)
Test Lab:	INNOVATION CENTER
Issue Date:	7/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PrentaLux
Catalog Number:	PRLX-SM4-02-LS-FS-010-XXXX-BRSS-XX (4000K-650LM)
Description:	PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRASS REFLECTOR LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source:	SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	73.2 lumens
Efficiency:	N/A
Efficacy:	11.3 lumens/watt
Spacing Criteria (0/90/45):	1.7 / 1.7 / 1.49
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	6.5
Input Voltage (V):	120
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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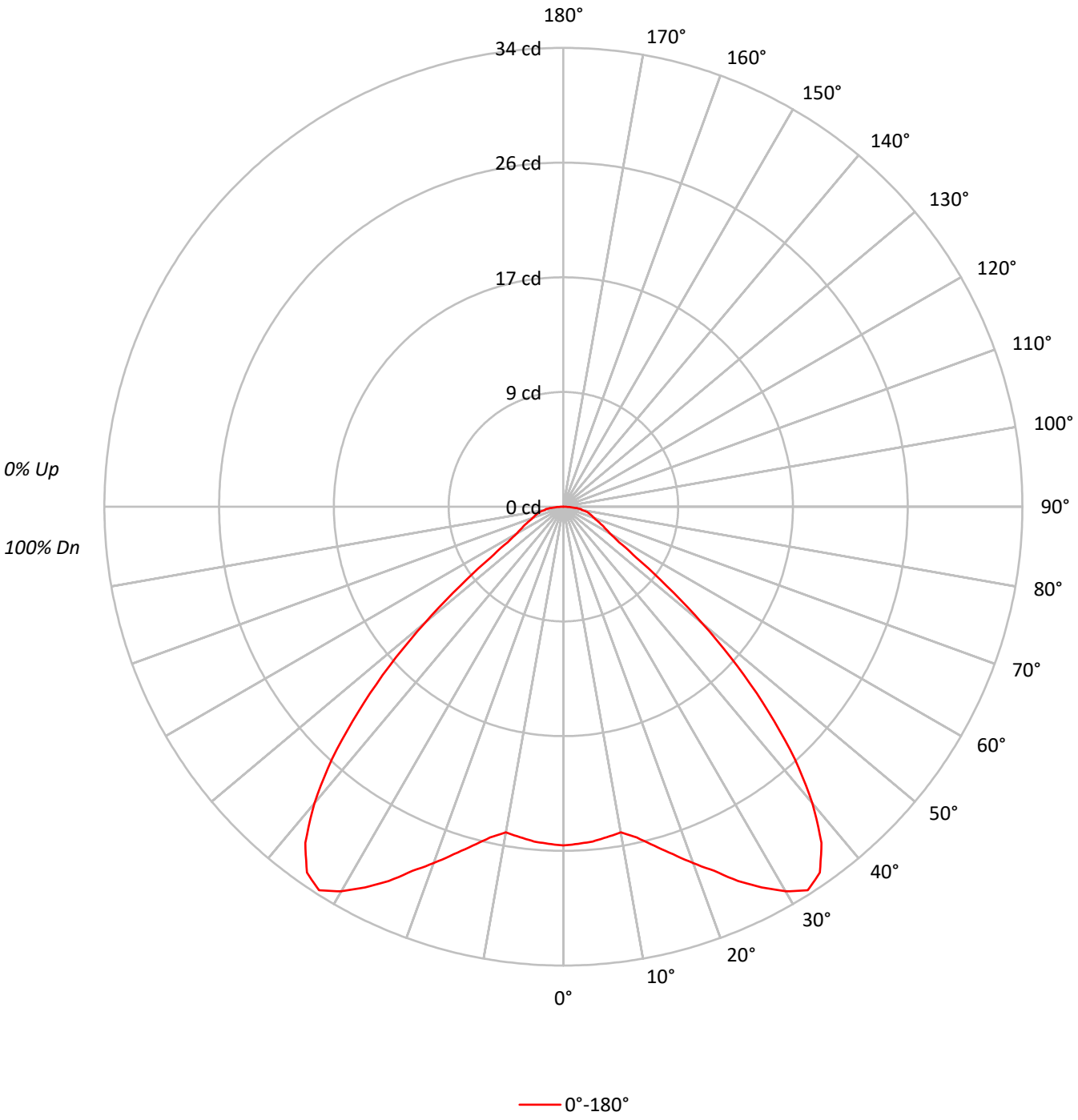
Luminous Intensity Polar Plot



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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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	77
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37
9	61	48	40	35	59	48	40	35	47	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	774
5°	771
10°	767
15°	830
20°	922
25°	1041
30°	1171
35°	1246
40°	1155
45°	938
50°	643
55°	355
60°	247
65°	226
70°	216
75°	238
80°	249
85°	283

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 938 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	3.2
10°-20°	7.5	10.2
20°-30°	14.2	19.4
30°-40°	20.2	27.6
40°-50°	16.4	22.4
50°-60°	6.6	9.0
60°-70°	3.1	4.2
70°-80°	2.1	2.8
80°-90°	0.8	1.1
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°	24.0	32.8
0°-40°	44.2	60.4
0°-60°	67.2	91.8
0°-90°	73.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	73.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25	
5°	25	2
15°	26	7
25°	31	14
35°	33	20
45°	22	16
55°	7	7
65°	3	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	25.1
2.5°	25.0
5°	24.9
7.5°	24.7
10°	24.5
12.5°	25.1
15°	26.0
17.5°	27.0
20°	28.1
22.5°	29.2
25°	30.6
27.5°	31.8
30°	32.9
32.5°	33.7
35°	33.1
37.5°	31.4
40°	28.7
42.5°	25.4
45°	21.5
47.5°	17.5
50°	13.4
52.5°	9.6
55°	6.6
57.5°	4.9
60°	4.0
62.5°	3.5
65°	3.1
67.5°	2.7
70°	2.4
72.5°	2.2
75°	2.0
77.5°	1.8
80°	1.4
82.5°	1.3
85°	0.8
87.5°	0.2
90°	0.0

(END OF REPORT)