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: P1503592

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-BRNZ-XX (5000K-800LM)

Issue Date: 7/28/2026

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

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1503592
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-5)
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-BRNZ-XX (5000K-800LM)
Description:	PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRONZE REFLECTOR LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source:	SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	58.9 lumens
Efficiency:	N/A
Efficacy:	7.2 lumens/watt
Spacing Criteria (0/90/45):	2.04 / 2.04 / 1.66
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

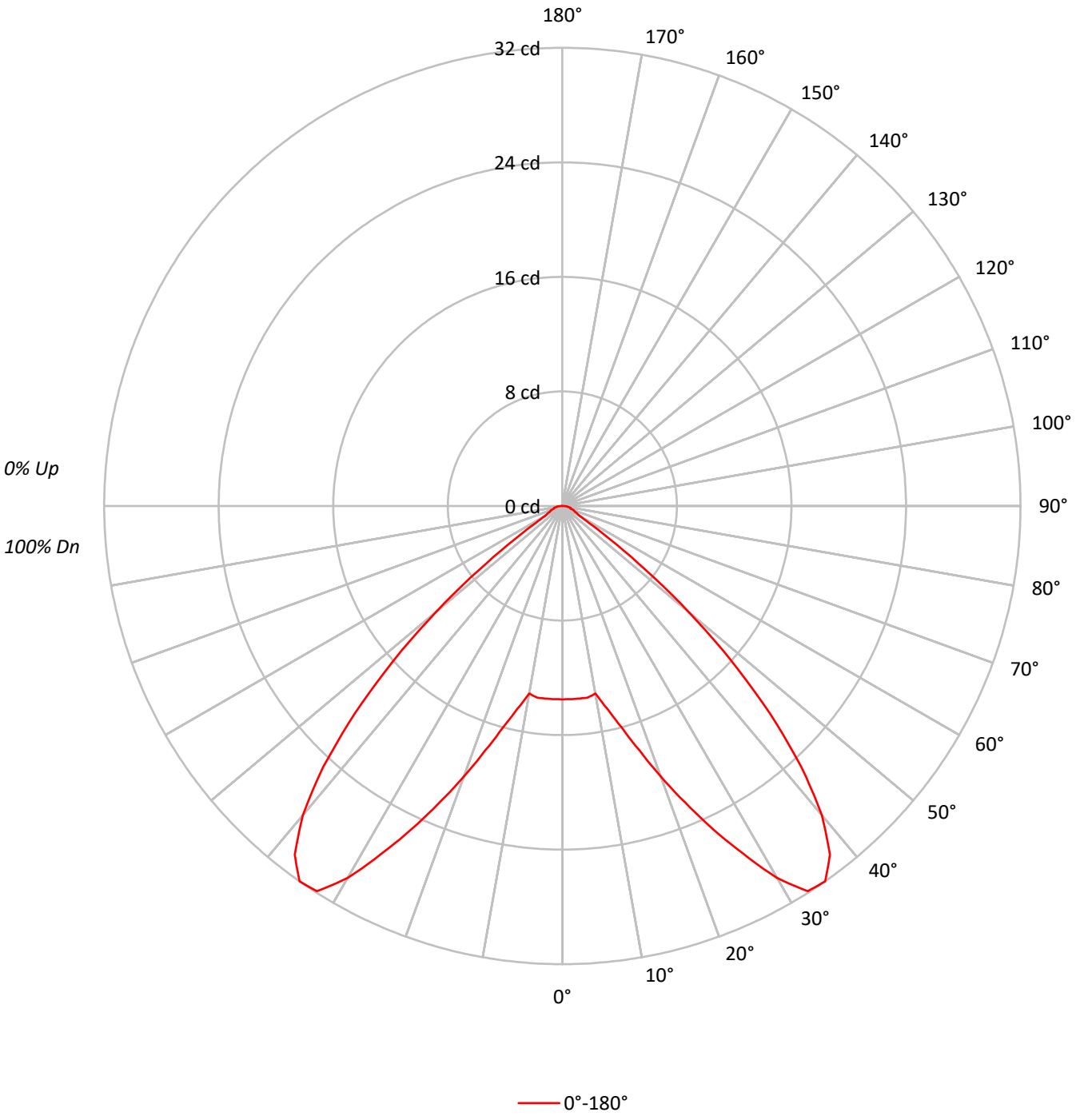
Input Watts (W):	8.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

TEST NUMBER: P1503592
CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-BRNZ-XX (5000K-800LM)

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1503592
CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-BRNZ-XX (5000K-800LM)

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	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	41
8	65	53	45	39	64	52	44	39	51	44	39	50	43	39	48	43	39	37
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	31	55	44	36	31	43	36	31	42	36	31	41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	416
5°	418
10°	416
15°	511
20°	660
25°	847
30°	1068
35°	1205
40°	1135
45°	894
50°	552
55°	215
60°	86
65°	73
70°	72
75°	71
80°	71
85°	106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 894 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1503592
CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-BRNZ-XX (5000K-800LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	2.2
10°-20°	4.7	8.0
20°-30°	11.7	19.8
30°-40°	19.4	32.9
40°-50°	15.5	26.3
50°-60°	4.4	7.4
60°-70°	1.0	1.8
70°-80°	0.6	1.1
80°-90°	0.3	0.5
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°	17.7	30.0
0°-40°	37.1	62.9
0°-60°	57.0	96.7
0°-90°	58.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	58.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14	
5°	14	1
15°	16	5
25°	25	12
35°	32	19
45°	20	16
55°	4	4
65°	1	1
75°	1	1
85°	0	0
90°	0	

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

Scaled Data Report

TEST NUMBER: P1503592
CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-BRNZ-XX (5000K-800LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	13.5
2.5°	13.5
5°	13.5
7.5°	13.5
10°	13.3
12.5°	14.5
15°	16.0
17.5°	17.9
20°	20.1
22.5°	22.4
25°	24.9
27.5°	27.4
30°	30.0
32.5°	31.9
35°	32.0
37.5°	30.7
40°	28.2
42.5°	24.7
45°	20.5
47.5°	16.0
50°	11.5
52.5°	7.3
55°	4.0
57.5°	2.2
60°	1.4
62.5°	1.2
65°	1.0
67.5°	0.9
70°	0.8
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.4
82.5°	0.4
85°	0.3
87.5°	0.1
90°	0.0

(END OF REPORT)