

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: P1503636

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-BRNZ-XX (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503636
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-D2W-XXXX-BRNZ-XX (5000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRONZE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

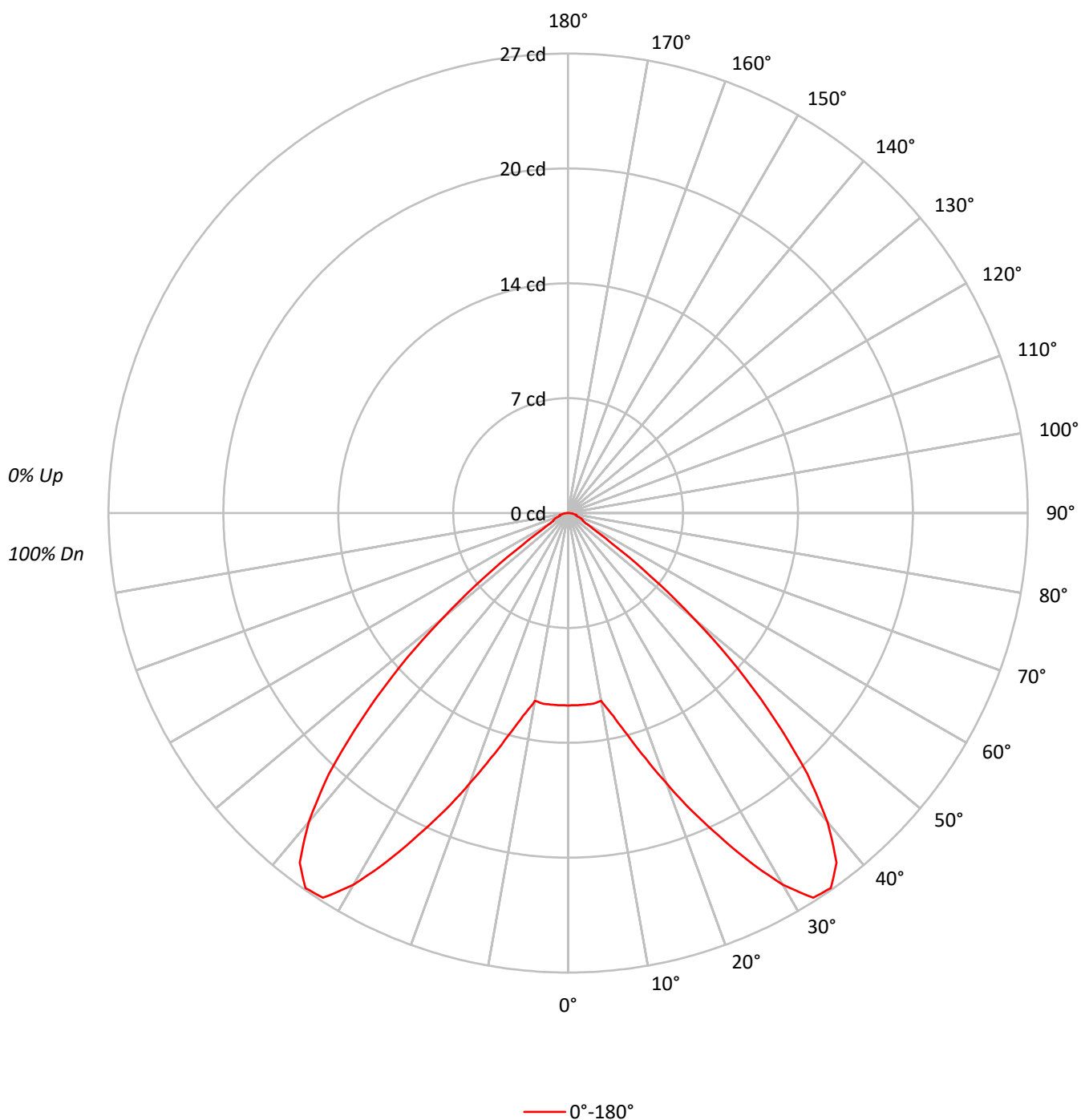
Lumens per Lamp: N/A
Luminaire Lumens: 49.5 lumens
Efficiency: N/A
Efficacy: 7.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 2.04 / 1.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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				
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	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89			
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79			
3	96	87	80	75	94	86	79	74	83	78	73	80	76	72	78	74	71	69			
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	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	42			
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37			
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	348
5°	350
10°	351
15°	431
20°	555
25°	711
30°	897
35°	1013
40°	954
45°	750
50°	465
55°	177
60°	74
65°	66
70°	54
75°	60
80°	53
85°	71

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	2.2
10°-20°	4.0	8.0
20°-30°	9.8	19.8
30°-40°	16.3	33.0
40°-50°	13.1	26.4
50°-60°	3.7	7.4
60°-70°	0.9	1.8
70°-80°	0.5	1.0
80°-90°	0.2	0.4
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°	14.9	30.0
0°-40°	31.2	63.0
0°-60°	47.9	96.8
0°-90°	49.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11	
5°	11	1
15°	14	4
25°	21	10
35°	27	16
45°	17	13
55°	3	4
65°	1	1
75°	0	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11.3
2.5°	11.3
5°	11.3
7.5°	11.3
10°	11.2
12.5°	12.2
15°	13.5
17.5°	15.1
20°	16.9
22.5°	18.9
25°	20.9
27.5°	23.1
30°	25.2
32.5°	26.8
35°	26.9
37.5°	25.9
40°	23.7
42.5°	20.8
45°	17.2
47.5°	13.5
50°	9.7
52.5°	6.1
55°	3.3
57.5°	1.8
60°	1.2
62.5°	1.0
65°	0.9
67.5°	0.8
70°	0.6
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.3
82.5°	0.3
85°	0.2
87.5°	0.1
90°	0.0

(END OF REPORT)