

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: P1503589

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-BRNZ-XX (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503589
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 (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

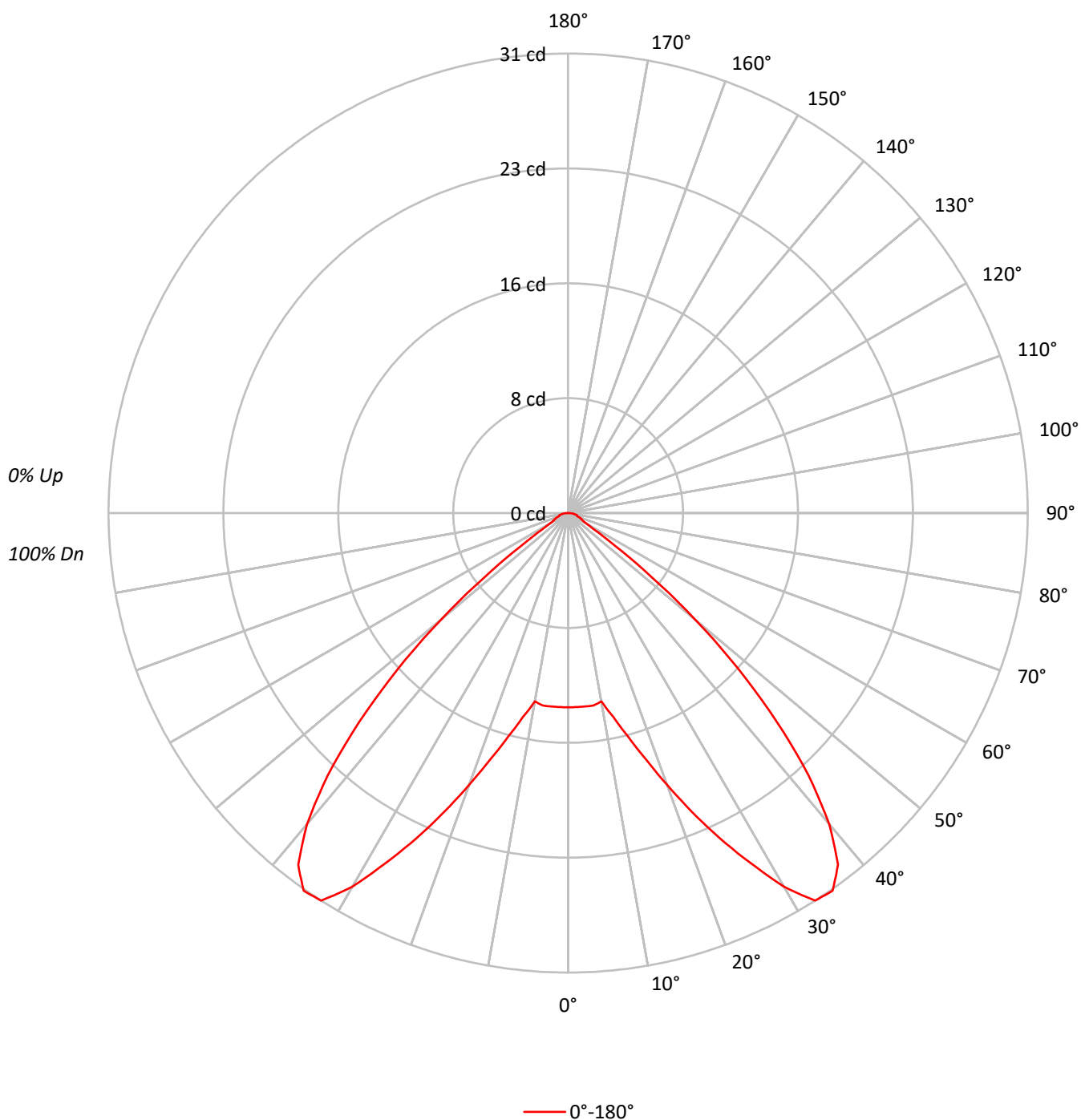
Lumens per Lamp: N/A
Luminaire Lumens: 57.2 lumens
Efficiency: N/A
Efficacy: 7.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 2.04 / 1.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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

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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			
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	94	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	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	41		
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°	404
5°	405
10°	404
15°	498
20°	640
25°	823
30°	1036
35°	1171
40°	1103
45°	868
50°	537
55°	210
60°	86
65°	73
70°	63
75°	71
80°	71
85°	71

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	2.2
10°-20°	4.6	8.0
20°-30°	11.3	19.8
30°-40°	18.9	32.9
40°-50°	15.1	26.3
50°-60°	4.3	7.5
60°-70°	1.0	1.7
70°-80°	0.6	1.1
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°	17.2	30.0
0°-40°	36.0	62.9
0°-60°	55.4	96.7
0°-90°	57.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	57.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13	
5°	13	1
15°	16	5
25°	24	11
35°	31	19
45°	20	15
55°	4	4
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13.1
2.5°	13.1
5°	13.1
7.5°	13.1
10°	12.9
12.5°	14.1
15°	15.6
17.5°	17.4
20°	19.5
22.5°	21.8
25°	24.2
27.5°	26.6
30°	29.1
32.5°	31.0
35°	31.1
37.5°	29.9
40°	27.4
42.5°	24.0
45°	19.9
47.5°	15.6
50°	11.2
52.5°	7.1
55°	3.9
57.5°	2.1
60°	1.4
62.5°	1.1
65°	1.0
67.5°	0.9
70°	0.7
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.4
82.5°	0.4
85°	0.2
87.5°	0.1
90°	0.0

(END OF REPORT)