

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: P1503614

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-4)
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-WHTE-XX (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

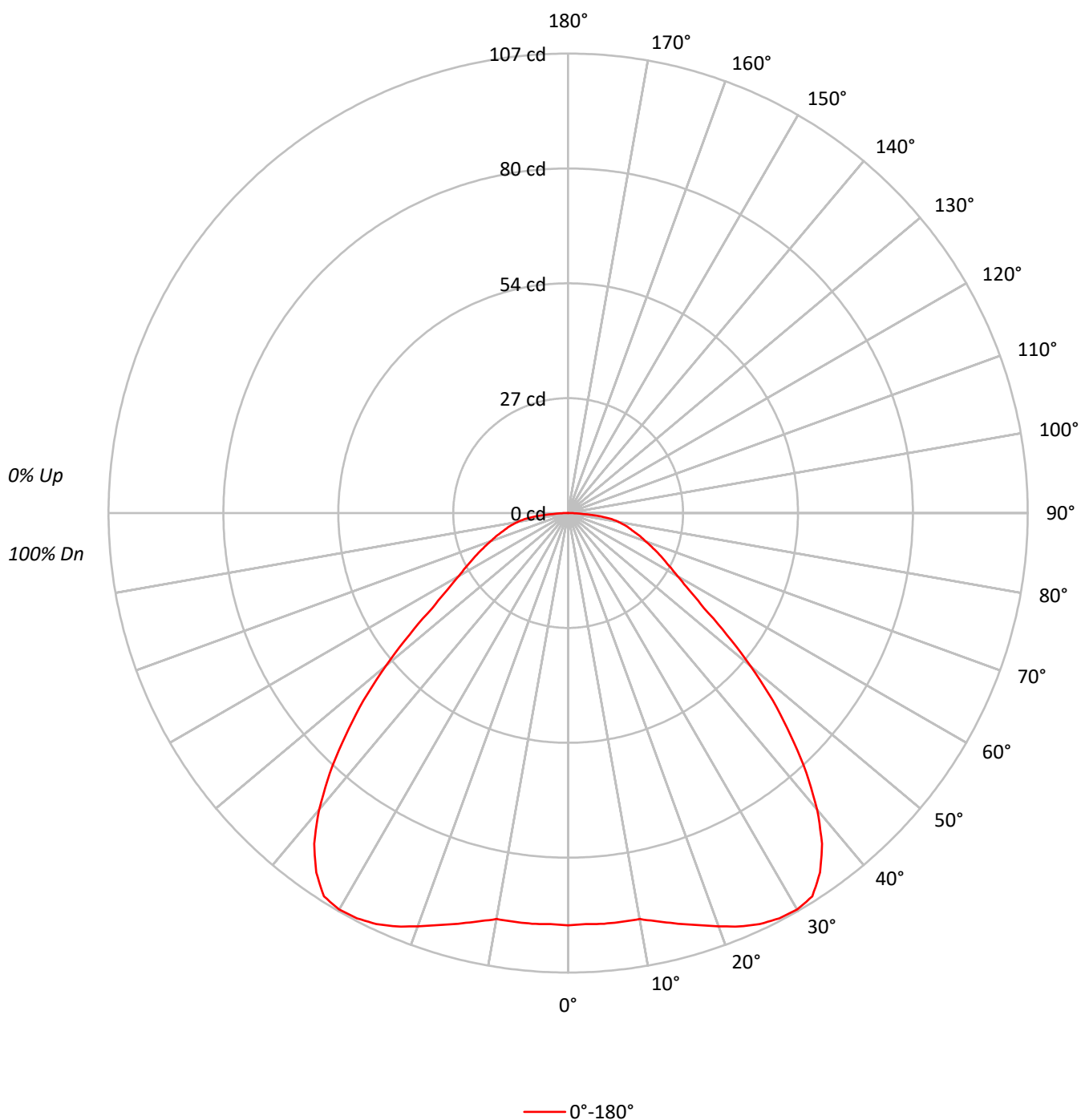
Lumens per Lamp: N/A
Luminaire Lumens: 288.1 lumens
Efficiency: N/A
Efficacy: 26.7 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	37			
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	34	33			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2960
5°	2972
10°	3006
15°	3160
20°	3360
25°	3593
30°	3796
35°	3847
40°	3631
45°	3197
50°	2658
55°	2075
60°	1813
65°	1737
70°	1731
75°	1835
80°	2131
85°	2194

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3197 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	3.2
10°-20°	28.2	9.8
20°-30°	48.7	16.9
30°-40°	63.2	21.9
40°-50°	56.3	19.6
50°-60°	35.9	12.5
60°-70°	23.7	8.2
70°-80°	16.4	5.7
80°-90°	6.5	2.3
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°	86.1	29.9
0°-40°	149.2	51.8
0°-60°	241.4	83.8
0°-90°	288.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	96	
5°	96	9
15°	99	28
25°	106	49
35°	102	63
45°	73	56
55°	39	36
65°	24	24
75°	15	16
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	96.0
2.5°	95.8
5°	96.0
7.5°	96.0
10°	96.0
12.5°	97.4
15°	99.0
17.5°	100.6
20°	102.4
22.5°	104.2
25°	105.6
27.5°	106.4
30°	106.6
32.5°	105.8
35°	102.2
37.5°	97.1
40°	90.2
42.5°	82.1
45°	73.3
47.5°	64.6
50°	55.4
52.5°	46.6
55°	38.6
57.5°	33.3
60°	29.4
62.5°	26.4
65°	23.8
67.5°	21.4
70°	19.2
72.5°	17.3
75°	15.4
77.5°	13.8
80°	12.0
82.5°	9.9
85°	6.2
87.5°	1.8
90°	0.0

(END OF REPORT)