

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: P1503719

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-ND (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-ND (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

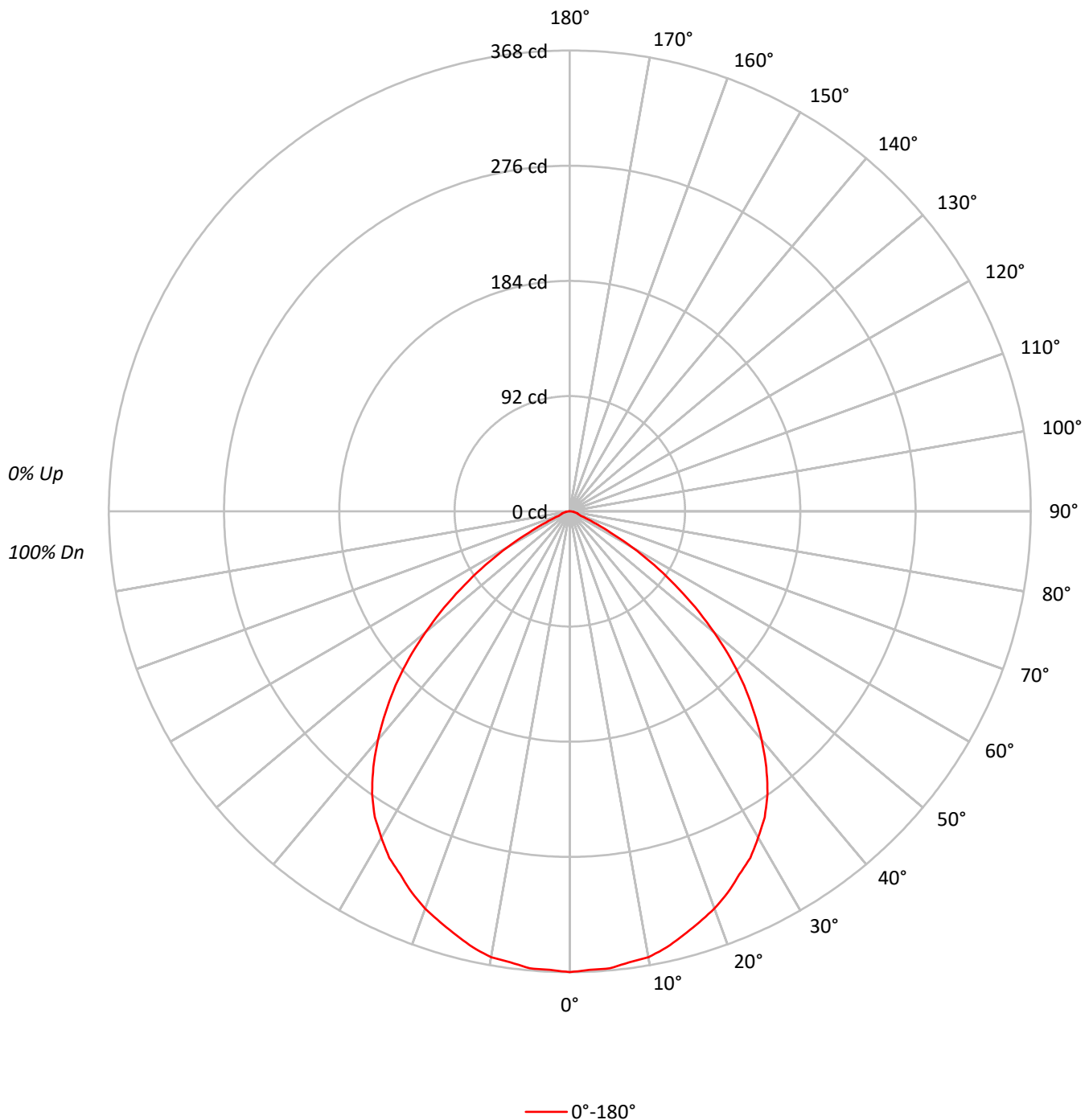
Lumens per Lamp: N/A
Luminaire Lumens: 727.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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			
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61		
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55		
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44		
8	67	55	47	42	66	54	47	42	53	46	42	52	46	42	51	45	41	40		
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	34	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11348
5°	11342
10°	11322
15°	11186
20°	11078
25°	10888
30°	10710
35°	10360
40°	9597
45°	8582
50°	7215
55°	5505
60°	3552
65°	1518
70°	721
75°	763
80°	568
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	4.8
10°-20°	98.9	13.6
20°-30°	147.7	20.3
30°-40°	170.7	23.5
40°-50°	150.7	20.7
50°-60°	91.8	12.6
60°-70°	24.5	3.4
70°-80°	6.1	0.8
80°-90°	1.7	0.2
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°	281.4	38.7
0°-40°	452.1	62.2
0°-60°	694.6	95.6
0°-90°	727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	727.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	368	
5°	366	35
15°	350	99
25°	320	148
35°	275	171
45°	197	151
55°	102	92
65°	21	24
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	368.0
2.5°	366.4
5°	366.4
7.5°	363.2
10°	361.6
12.5°	356.8
15°	350.4
17.5°	344.0
20°	337.6
22.5°	329.6
25°	320.0
27.5°	312.0
30°	300.8
32.5°	289.6
35°	275.2
37.5°	257.6
40°	238.4
42.5°	217.6
45°	196.8
47.5°	174.4
50°	150.4
52.5°	126.4
55°	102.4
57.5°	80.0
60°	57.6
62.5°	36.8
65°	20.8
67.5°	9.6
70°	8.0
72.5°	6.4
75°	6.4
77.5°	4.8
80°	3.2
82.5°	3.2
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)