

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: P1503764

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-7)
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-WHTE-XX-ND (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

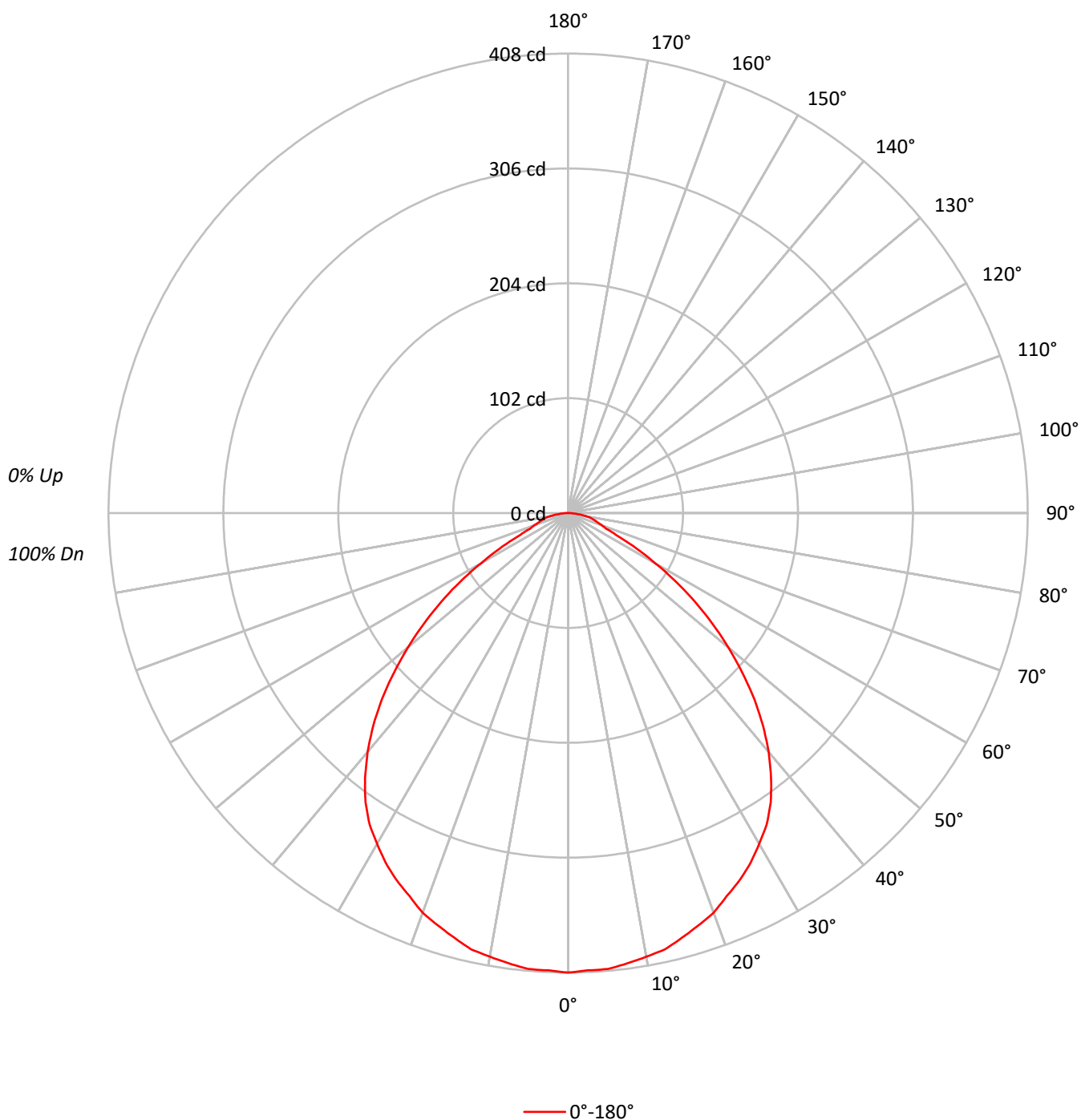
Lumens per Lamp: N/A
Luminaire Lumens: 897.5 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P1503764

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHITE-XX-ND (3500K-1000LM)

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	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	76	71	68	66		
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	41		
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36		
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12581
5°	12580
10°	12525
15°	12463
20°	12391
25°	12249
30°	12078
35°	11805
40°	11142
45°	10187
50°	8904
55°	7398
60°	5526
65°	3619
70°	2885
75°	2859
80°	2841
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	4.3
10°-20°	110.2	12.3
20°-30°	165.8	18.5
30°-40°	194.9	21.7
40°-50°	179.2	20.0
50°-60°	122.6	13.7
60°-70°	53.2	5.9
70°-80°	25.3	2.8
80°-90°	7.8	0.9
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°	314.5	35.0
0°-40°	509.4	56.8
0°-60°	811.2	90.4
0°-90°	897.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	408	
5°	406	39
15°	390	110
25°	360	166
35°	314	195
45°	234	179
55°	138	123
65°	50	53
75°	24	25
85°	6	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	408.0
2.5°	406.4
5°	406.4
7.5°	403.2
10°	400.0
12.5°	396.8
15°	390.4
17.5°	384.0
20°	377.6
22.5°	368.0
25°	360.0
27.5°	350.4
30°	339.2
32.5°	328.0
35°	313.6
37.5°	296.0
40°	276.8
42.5°	256.0
45°	233.6
47.5°	209.6
50°	185.6
52.5°	161.6
55°	137.6
57.5°	113.6
60°	89.6
62.5°	68.8
65°	49.6
67.5°	36.8
70°	32.0
72.5°	27.2
75°	24.0
77.5°	20.8
80°	16.0
82.5°	11.2
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)