

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: P1503767

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-ND (4000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503767
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 (4000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

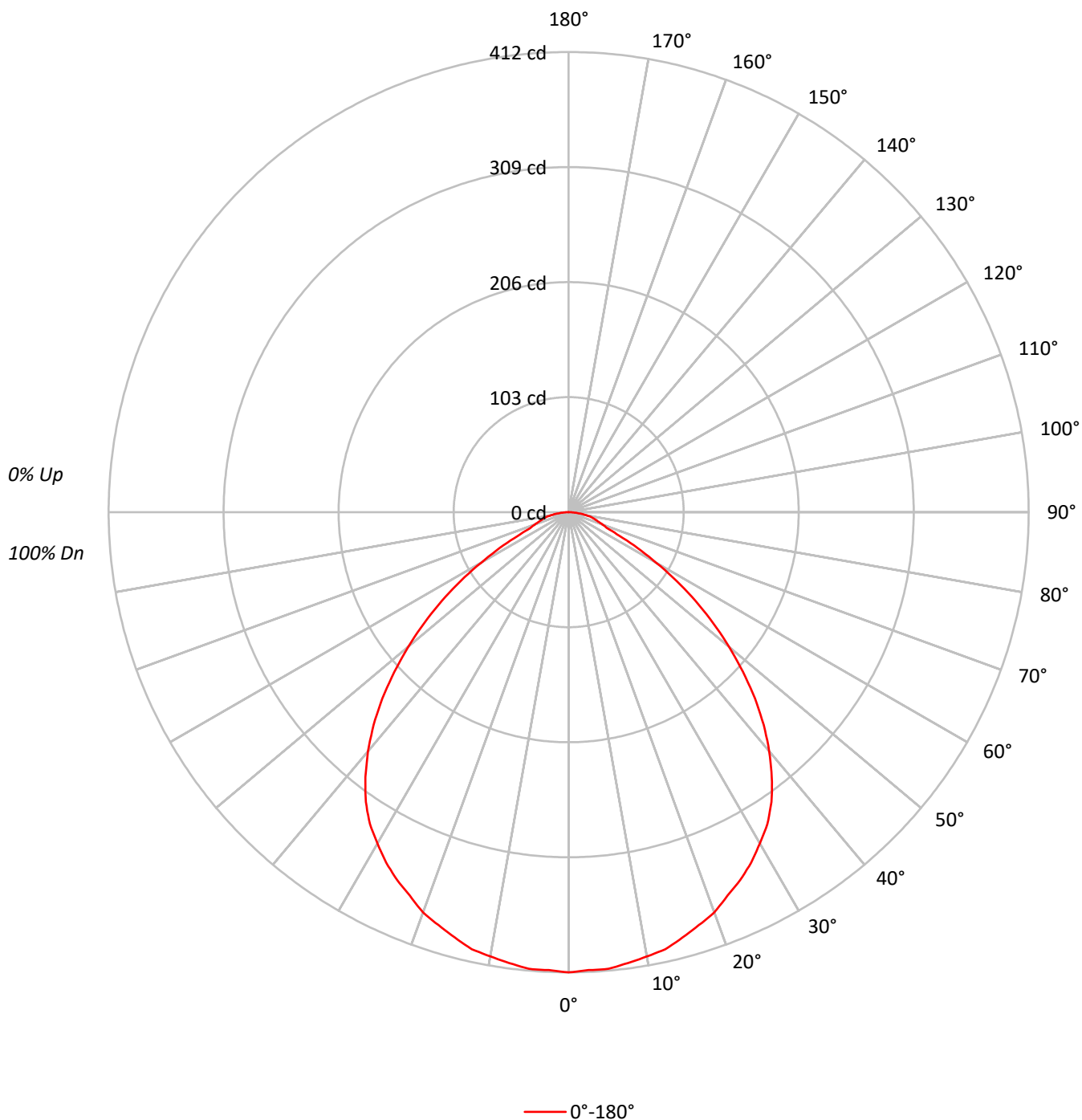
Lumens per Lamp: N/A
Luminaire Lumens: 906.3 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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





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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	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°	12705
5°	12704
10°	12647
15°	12584
20°	12512
25°	12368
30°	12195
35°	11922
40°	11251
45°	10287
50°	8990
55°	7467
60°	5581
65°	3656
70°	2912
75°	2883
80°	2877
85°	2300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10287 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	4.3
10°-20°	111.3	12.3
20°-30°	167.4	18.5
30°-40°	196.8	21.7
40°-50°	180.9	20.0
50°-60°	123.8	13.7
60°-70°	53.8	5.9
70°-80°	25.6	2.8
80°-90°	7.9	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°	317.6	35.0
0°-40°	514.3	56.8
0°-60°	819.1	90.4
0°-90°	906.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	412	
5°	410	39
15°	394	111
25°	364	167
35°	317	197
45°	236	181
55°	139	124
65°	50	54
75°	24	26
85°	6	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	412.0
2.5°	410.4
5°	410.4
7.5°	407.1
10°	403.9
12.5°	400.7
15°	394.2
17.5°	387.7
20°	381.3
22.5°	371.6
25°	363.5
27.5°	353.8
30°	342.5
32.5°	331.2
35°	316.7
37.5°	298.9
40°	279.5
42.5°	258.5
45°	235.9
47.5°	211.6
50°	187.4
52.5°	163.2
55°	138.9
57.5°	114.7
60°	90.5
62.5°	69.5
65°	50.1
67.5°	37.2
70°	32.3
72.5°	27.5
75°	24.2
77.5°	21.0
80°	16.2
82.5°	11.3
85°	6.5
87.5°	3.2
90°	0.0

(END OF REPORT)