

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: P1503906

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503906
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-D2W-XXXX-WHTE-XX-ND (5000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

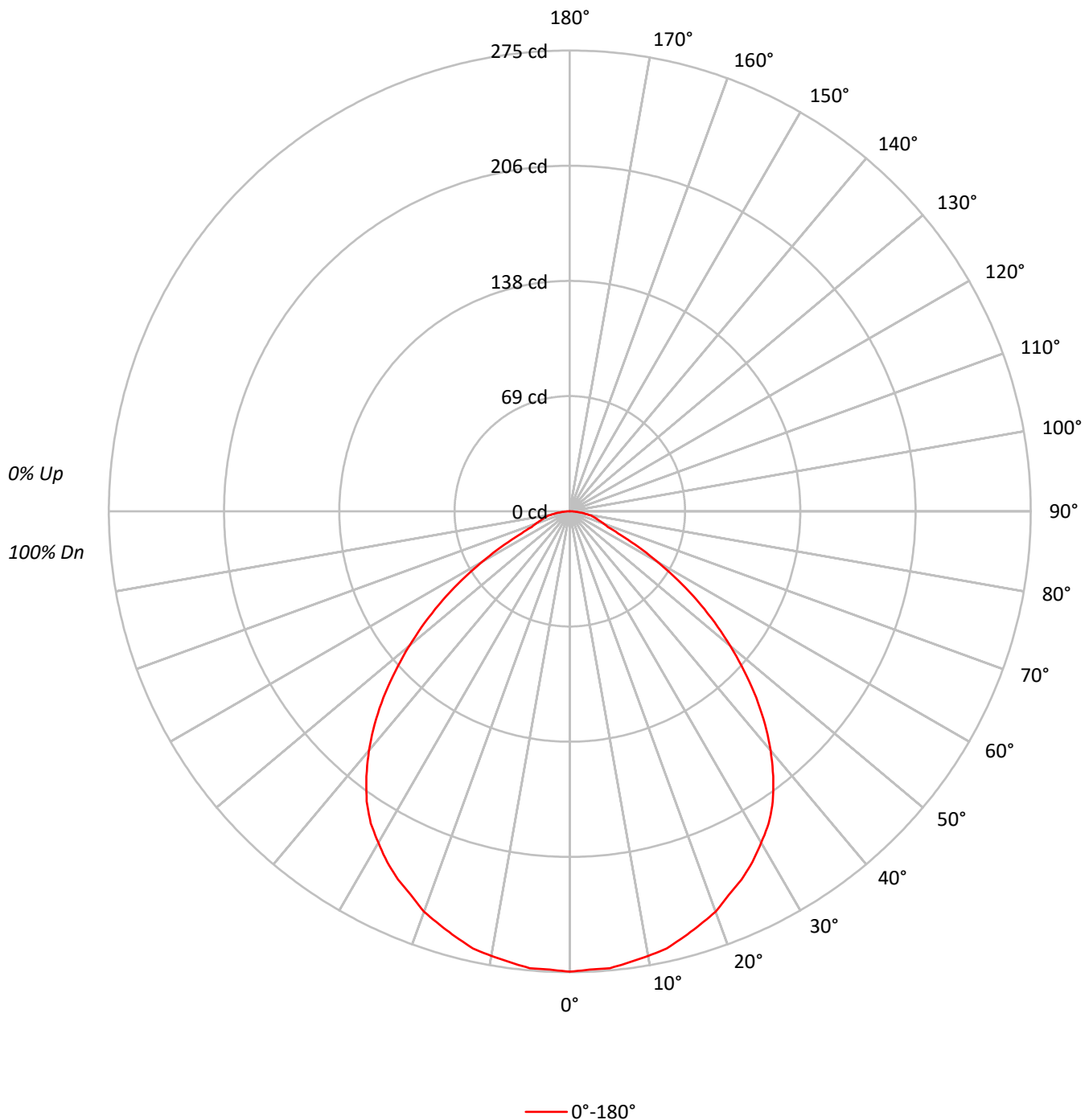
Lumens per Lamp: N/A
Luminaire Lumens: 604.4 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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°	8471
5°	8472
10°	8435
15°	8393
20°	8345
25°	8247
30°	8133
35°	7950
40°	7503
45°	6860
50°	5997
55°	4984
60°	3719
65°	2437
70°	1938
75°	1930
80°	1918
85°	1521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6860 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	4.3
10°-20°	74.2	12.3
20°-30°	111.6	18.5
30°-40°	131.2	21.7
40°-50°	120.6	20.0
50°-60°	82.6	13.7
60°-70°	35.8	5.9
70°-80°	17.1	2.8
80°-90°	5.3	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°	211.8	35.0
0°-40°	343.0	56.8
0°-60°	546.2	90.4
0°-90°	604.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	275	
5°	274	26
15°	263	74
25°	242	112
35°	211	131
45°	157	121
55°	93	83
65°	33	36
75°	16	17
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	274.7
2.5°	273.7
5°	273.7
7.5°	271.5
10°	269.4
12.5°	267.2
15°	262.9
17.5°	258.6
20°	254.3
22.5°	247.8
25°	242.4
27.5°	236.0
30°	228.4
32.5°	220.9
35°	211.2
37.5°	199.3
40°	186.4
42.5°	172.4
45°	157.3
47.5°	141.1
50°	125.0
52.5°	108.8
55°	92.7
57.5°	76.5
60°	60.3
62.5°	46.3
65°	33.4
67.5°	24.8
70°	21.5
72.5°	18.3
75°	16.2
77.5°	14.0
80°	10.8
82.5°	7.5
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)