

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: P1503912

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-13)
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-WHITE-XX-OC (3000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

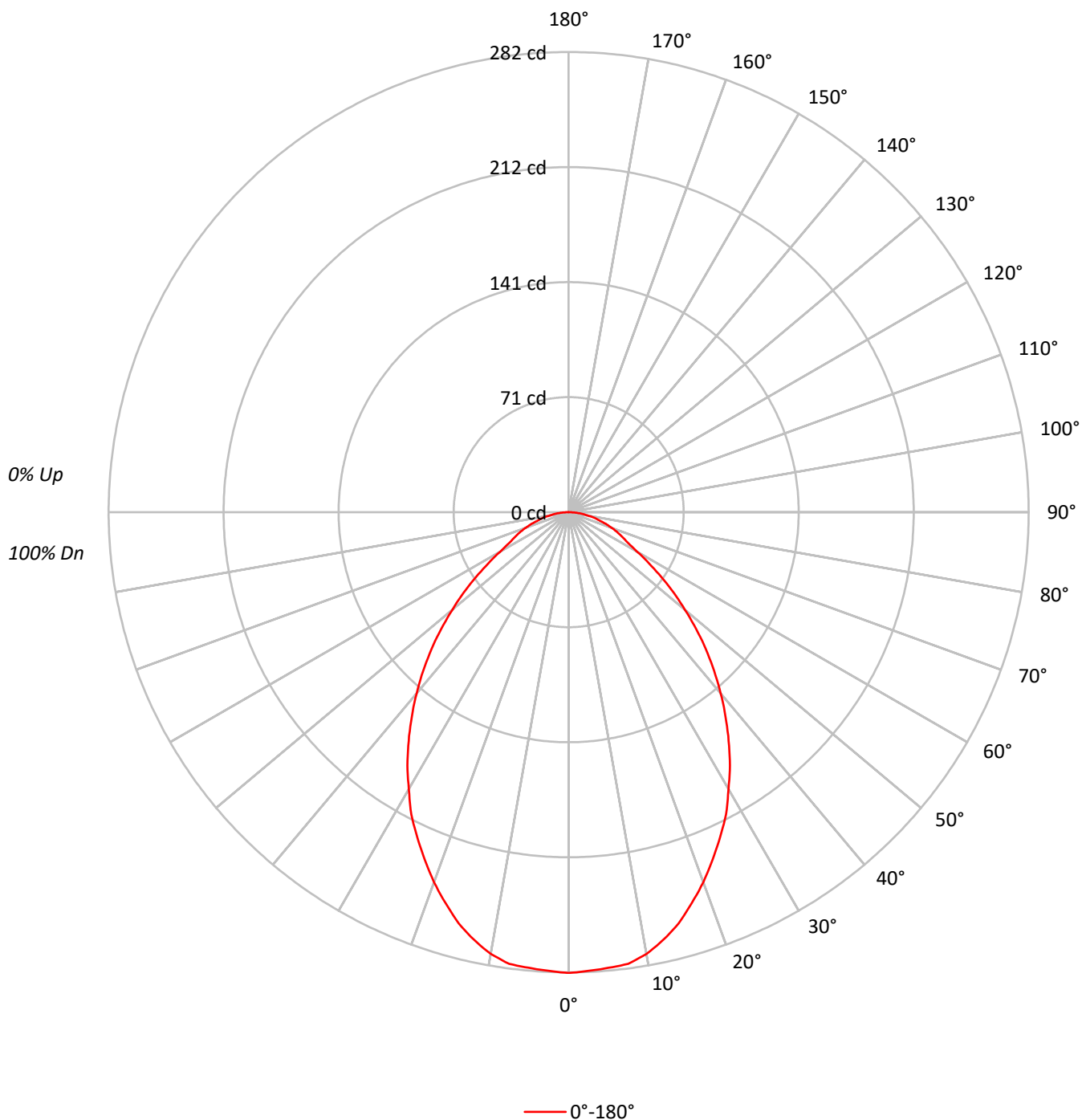
Lumens per Lamp: N/A
Luminaire Lumens: 525.2 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1503912

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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			
3	94	85	78	72	92	83	77	71	81	75	70	78	73	69	75	71	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8708
5°	8676
10°	8608
15°	8326
20°	7918
25°	7475
30°	6975
35°	6437
40°	5837
45°	5189
50°	4466
55°	3726
60°	3003
65°	2685
70°	2533
75°	2323
80°	2113
85°	1911

MAXIMUM LUMINANCE 45°-90°:

Luminance: 5189 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	5.1
10°-20°	73.1	13.9
20°-30°	101.0	19.2
30°-40°	106.7	20.3
40°-50°	91.6	17.4
50°-60°	62.4	11.9
60°-70°	36.8	7.0
70°-80°	21.0	4.0
80°-90°	6.1	1.2
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°	200.7	38.2
0°-40°	307.4	58.5
0°-60°	461.4	87.8
0°-90°	525.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	282	
5°	280	27
15°	261	73
25°	220	101
35°	171	107
45°	119	92
55°	69	62
65°	37	37
75°	20	21
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	282.4
2.5°	281.4
5°	280.3
7.5°	279.2
10°	274.9
12.5°	268.4
15°	260.8
17.5°	251.1
20°	241.3
22.5°	230.5
25°	219.7
27.5°	208.9
30°	195.9
32.5°	184.0
35°	171.0
37.5°	158.0
40°	145.0
42.5°	132.0
45°	119.0
47.5°	106.1
50°	93.1
52.5°	81.2
55°	69.3
57.5°	58.4
60°	48.7
62.5°	41.1
65°	36.8
67.5°	32.5
70°	28.1
72.5°	23.8
75°	19.5
77.5°	16.2
80°	11.9
82.5°	8.7
85°	5.4
87.5°	2.2
90°	0.0

(END OF REPORT)