

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: P1503768

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-ND (4000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503768
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

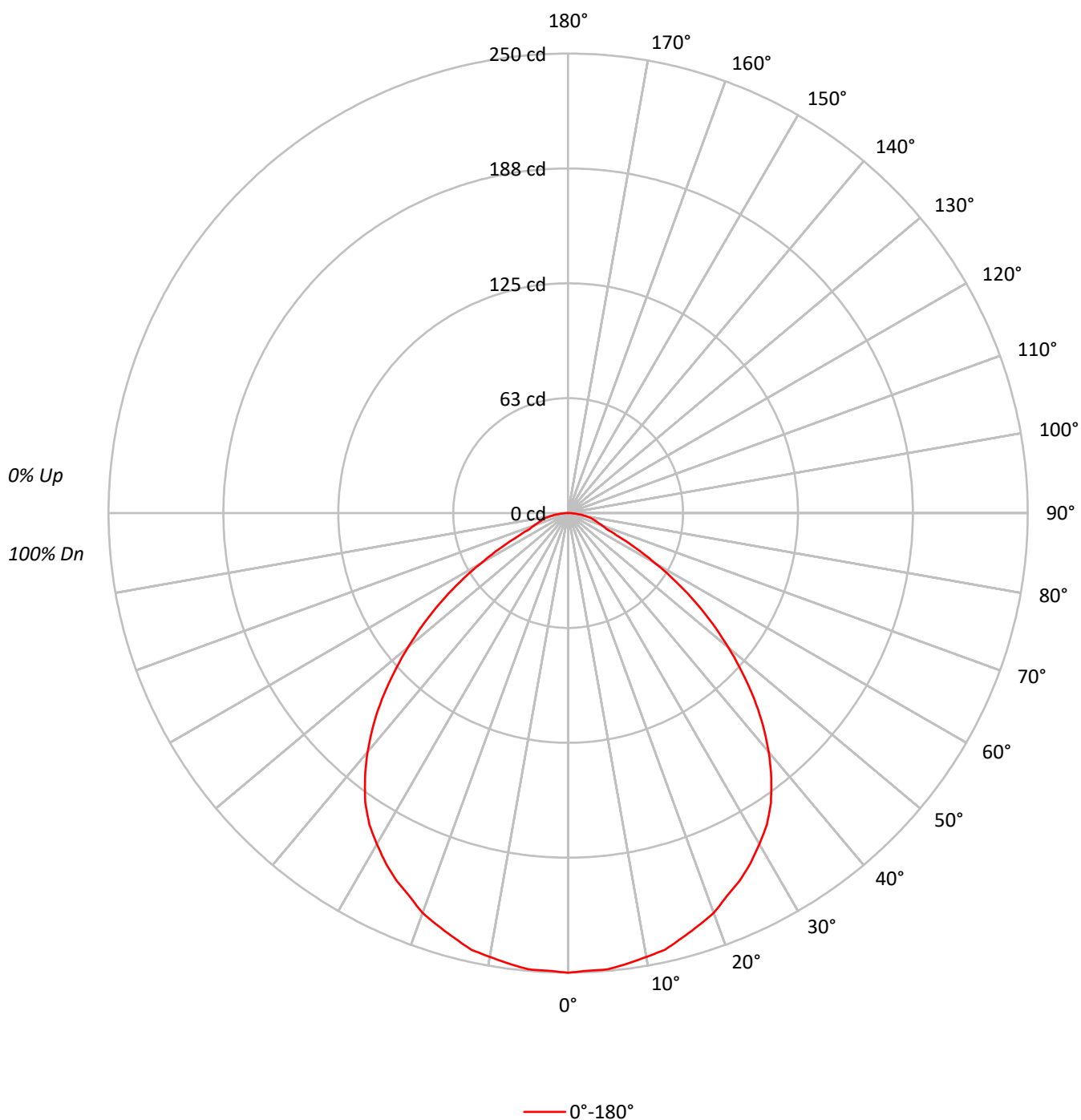
Lumens per Lamp: N/A
Luminaire Lumens: 550.3 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	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°	7712
5°	7714
10°	7678
15°	7639
20°	7597
25°	7509
30°	7406
35°	7239
40°	6831
45°	6245
50°	5459
55°	4537
60°	3386
65°	2218
70°	1767
75°	1751
80°	1740
85°	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	4.3
10°-20°	67.6	12.3
20°-30°	101.6	18.5
30°-40°	119.5	21.7
40°-50°	109.9	20.0
50°-60°	75.2	13.7
60°-70°	32.6	5.9
70°-80°	15.5	2.8
80°-90°	4.8	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°	192.8	35.0
0°-40°	312.3	56.7
0°-60°	497.3	90.4
0°-90°	550.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	250	
5°	249	24
15°	239	68
25°	221	102
35°	192	119
45°	143	110
55°	84	75
65°	30	33
75°	15	16
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	250.1
2.5°	249.2
5°	249.2
7.5°	247.2
10°	245.2
12.5°	243.3
15°	239.3
17.5°	235.4
20°	231.5
22.5°	225.6
25°	220.7
27.5°	214.8
30°	208.0
32.5°	201.1
35°	192.3
37.5°	181.5
40°	169.7
42.5°	157.0
45°	143.2
47.5°	128.5
50°	113.8
52.5°	99.1
55°	84.4
57.5°	69.6
60°	54.9
62.5°	42.2
65°	30.4
67.5°	22.6
70°	19.6
72.5°	16.7
75°	14.7
77.5°	12.8
80°	9.8
82.5°	6.9
85°	3.9
87.5°	2.0
90°	0.0

(END OF REPORT)