

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: P1503675

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-8)
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-BRNZ-XX-ND (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

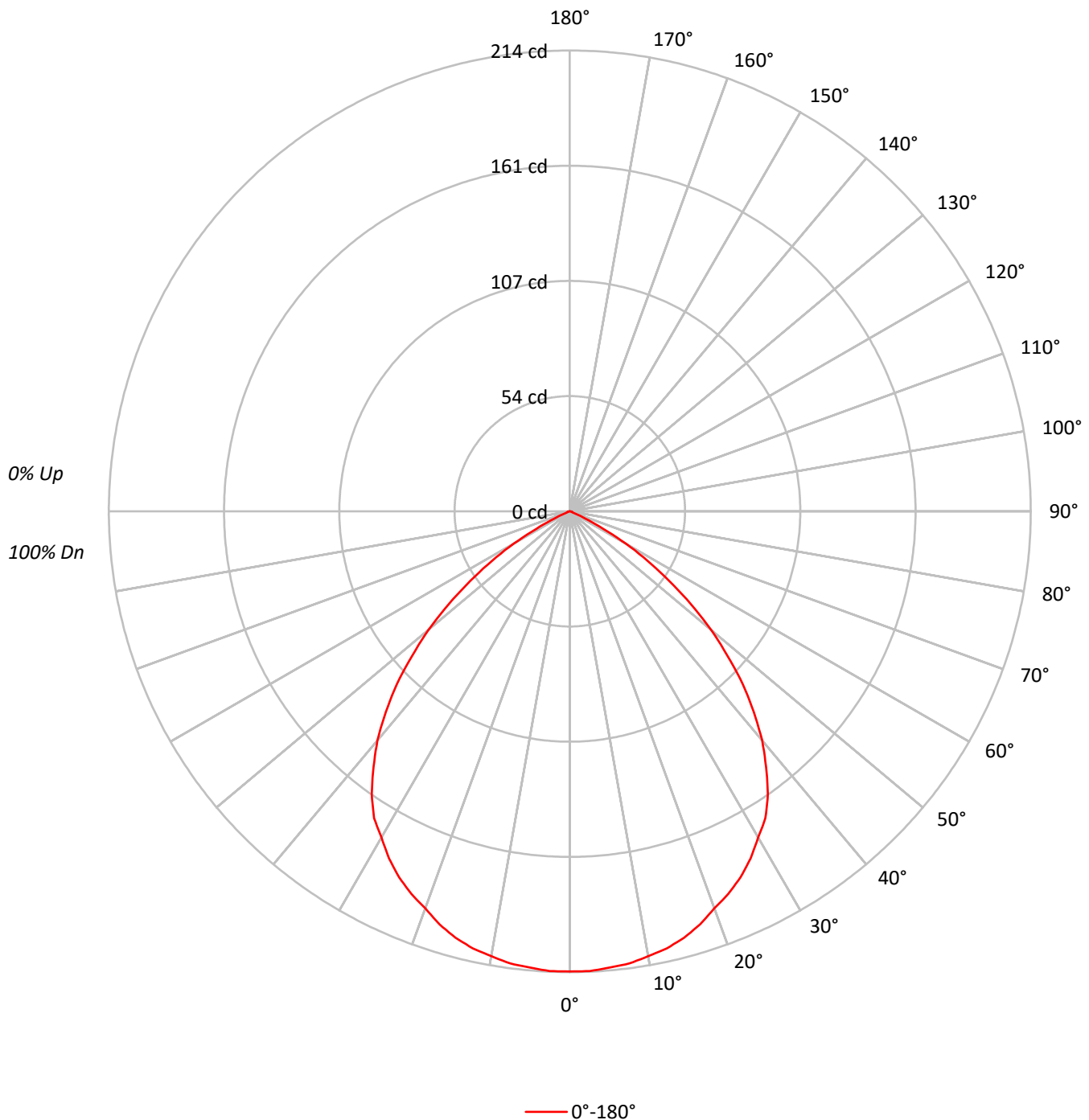
Lumens per Lamp: N/A
Luminaire Lumens: 412.5 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71		
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63		
5	83	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56		
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50		
7	72	61	53	48	71	60	53	48	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41		
9	64	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6590
5°	6584
10°	6569
15°	6544
20°	6438
25°	6380
30°	6228
35°	6034
40°	5591
45°	4958
50°	4102
55°	3027
60°	1856
65°	569
70°	90
75°	119
80°	178
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	4.9
10°-20°	57.7	14.0
20°-30°	86.2	20.9
30°-40°	99.4	24.1
40°-50°	86.8	21.0
50°-60°	50.6	12.3
60°-70°	10.4	2.5
70°-80°	1.1	0.3
80°-90°	0.1	0.0
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°	164.1	39.8
0°-40°	263.5	63.9
0°-60°	400.9	97.2
0°-90°	412.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	214	
5°	213	20
15°	205	58
25°	188	86
35°	160	99
45°	114	87
55°	56	51
65°	8	10
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	213.7
2.5°	213.7
5°	212.7
7.5°	211.8
10°	209.8
12.5°	207.9
15°	205.0
17.5°	201.1
20°	196.2
22.5°	192.3
25°	187.5
27.5°	181.7
30°	174.9
32.5°	169.0
35°	160.3
37.5°	149.6
40°	138.9
42.5°	126.3
45°	113.7
47.5°	99.1
50°	85.5
52.5°	70.9
55°	56.3
57.5°	42.7
60°	30.1
62.5°	17.5
65°	7.8
67.5°	1.9
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)