

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: P1503720

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-9)
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-BRSS-XX-ND (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

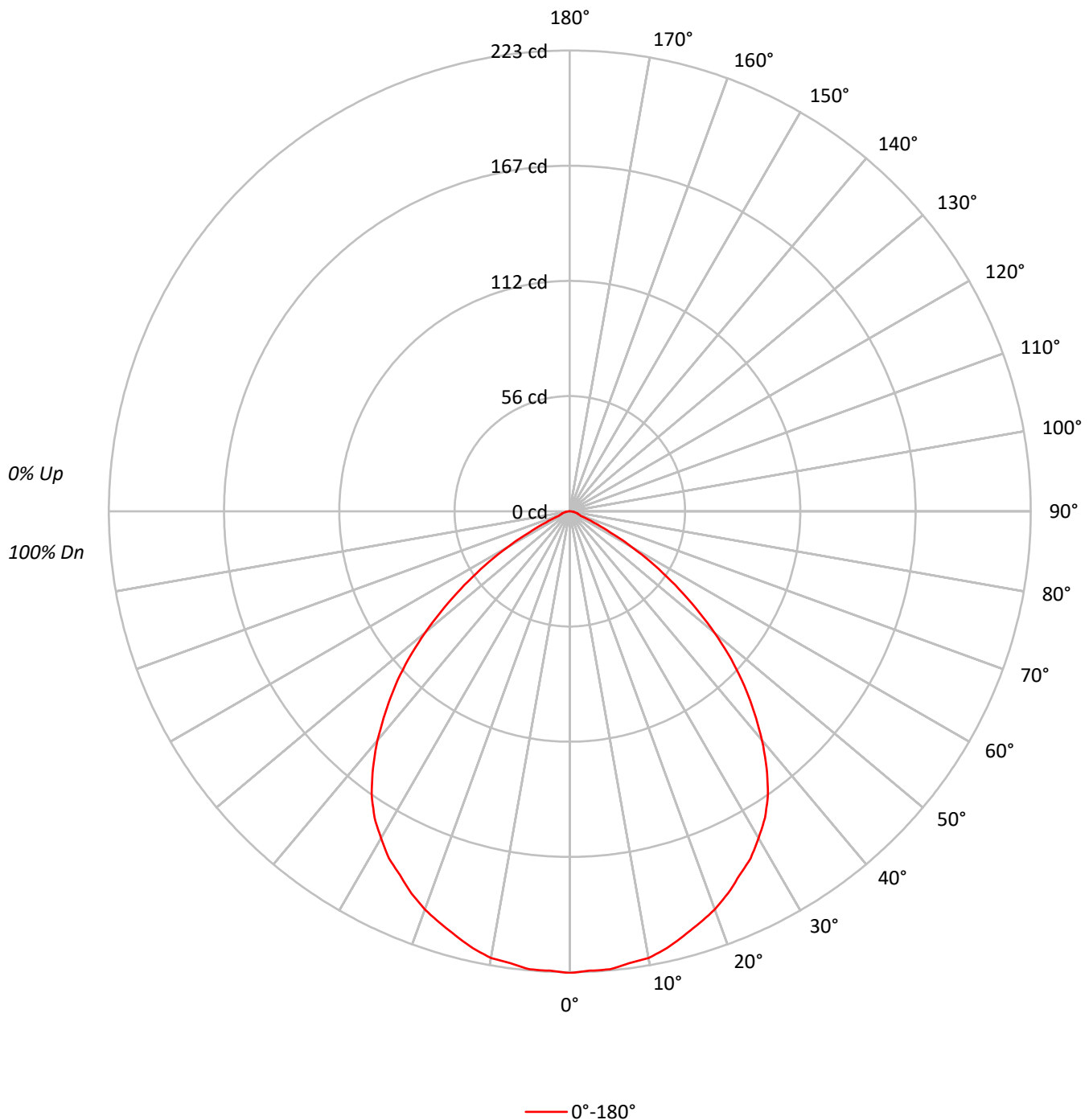
Lumens per Lamp: N/A
Luminaire Lumens: 441.3 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	100	102	99	97	98	96	94	94	93	91	90		
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61		
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55		
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44		
8	67	55	47	42	66	54	47	42	53	46	42	52	46	42	51	45	41	40		
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	34	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6889
5°	6887
10°	6873
15°	6790
20°	6727
25°	6611
30°	6502
35°	6290
40°	5825
45°	5211
50°	4380
55°	3344
60°	2159
65°	919
70°	442
75°	465
80°	337
85°	354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	4.8
10°-20°	60.1	13.6
20°-30°	89.7	20.3
30°-40°	103.6	23.5
40°-50°	91.5	20.7
50°-60°	55.7	12.6
60°-70°	14.9	3.4
70°-80°	3.7	0.8
80°-90°	1.0	0.2
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°	170.8	38.7
0°-40°	274.5	62.2
0°-60°	421.7	95.6
0°-90°	441.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	223	
5°	222	21
15°	213	60
25°	194	90
35°	167	104
45°	120	92
55°	62	56
65°	13	15
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	223.4
2.5°	222.5
5°	222.5
7.5°	220.5
10°	219.5
12.5°	216.6
15°	212.7
17.5°	208.9
20°	205.0
22.5°	200.1
25°	194.3
27.5°	189.4
30°	182.6
32.5°	175.8
35°	167.1
37.5°	156.4
40°	144.7
42.5°	132.1
45°	119.5
47.5°	105.9
50°	91.3
52.5°	76.7
55°	62.2
57.5°	48.6
60°	35.0
62.5°	22.3
65°	12.6
67.5°	5.8
70°	4.9
72.5°	3.9
75°	3.9
77.5°	2.9
80°	1.9
82.5°	1.9
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)