

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: P1503714

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-ND (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503714
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 (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

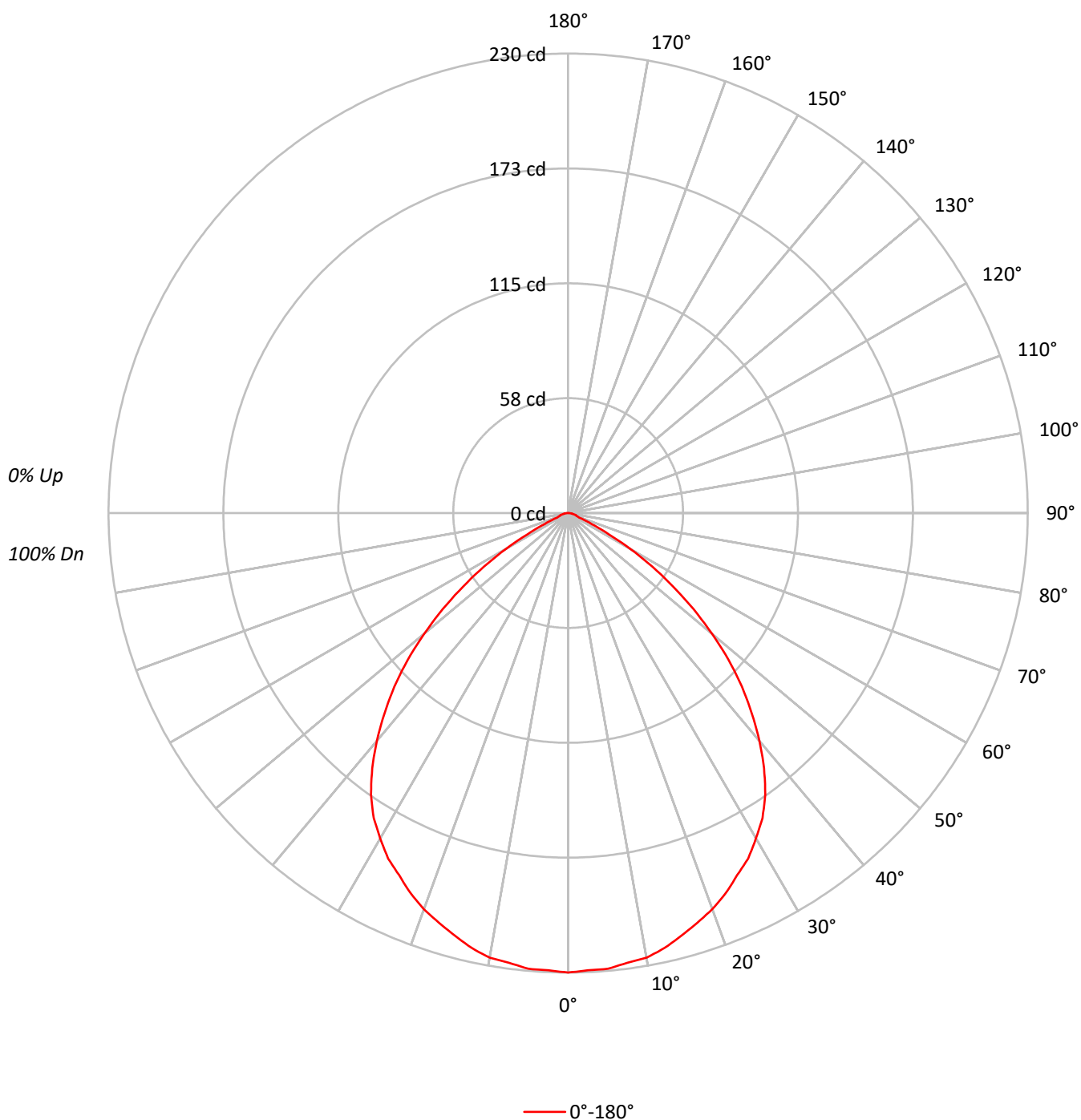
Lumens per Lamp: N/A
Luminaire Lumens: 454.4 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.6
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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	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°	7092
5°	7088
10°	7077
15°	6991
20°	6924
25°	6805
30°	6694
35°	6475
40°	5998
45°	5364
50°	4509
55°	3441
60°	2220
65°	949
70°	451
75°	477
80°	355
85°	354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5364 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	4.8
10°-20°	61.8	13.6
20°-30°	92.3	20.3
30°-40°	106.7	23.5
40°-50°	94.2	20.7
50°-60°	57.4	12.6
60°-70°	15.3	3.4
70°-80°	3.8	0.8
80°-90°	1.1	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°	175.9	38.7
0°-40°	282.6	62.2
0°-60°	434.1	95.6
0°-90°	454.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	454.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	230	
5°	229	22
15°	219	62
25°	200	92
35°	172	107
45°	123	94
55°	64	57
65°	13	15
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	230
2.5°	229
5°	229
7.5°	227
10°	226
12.5°	223
15°	219
17.5°	215
20°	211
22.5°	206
25°	200
27.5°	195
30°	188
32.5°	181
35°	172
37.5°	161
40°	149
42.5°	136
45°	123
47.5°	109
50°	94
52.5°	79
55°	64
57.5°	50
60°	36
62.5°	23
65°	13
67.5°	6
70°	5
72.5°	4
75°	4
77.5°	3
80°	2
82.5°	2
85°	1
87.5°	0
90°	0

(END OF REPORT)