

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: P1503677

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (4000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503677
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 (4000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

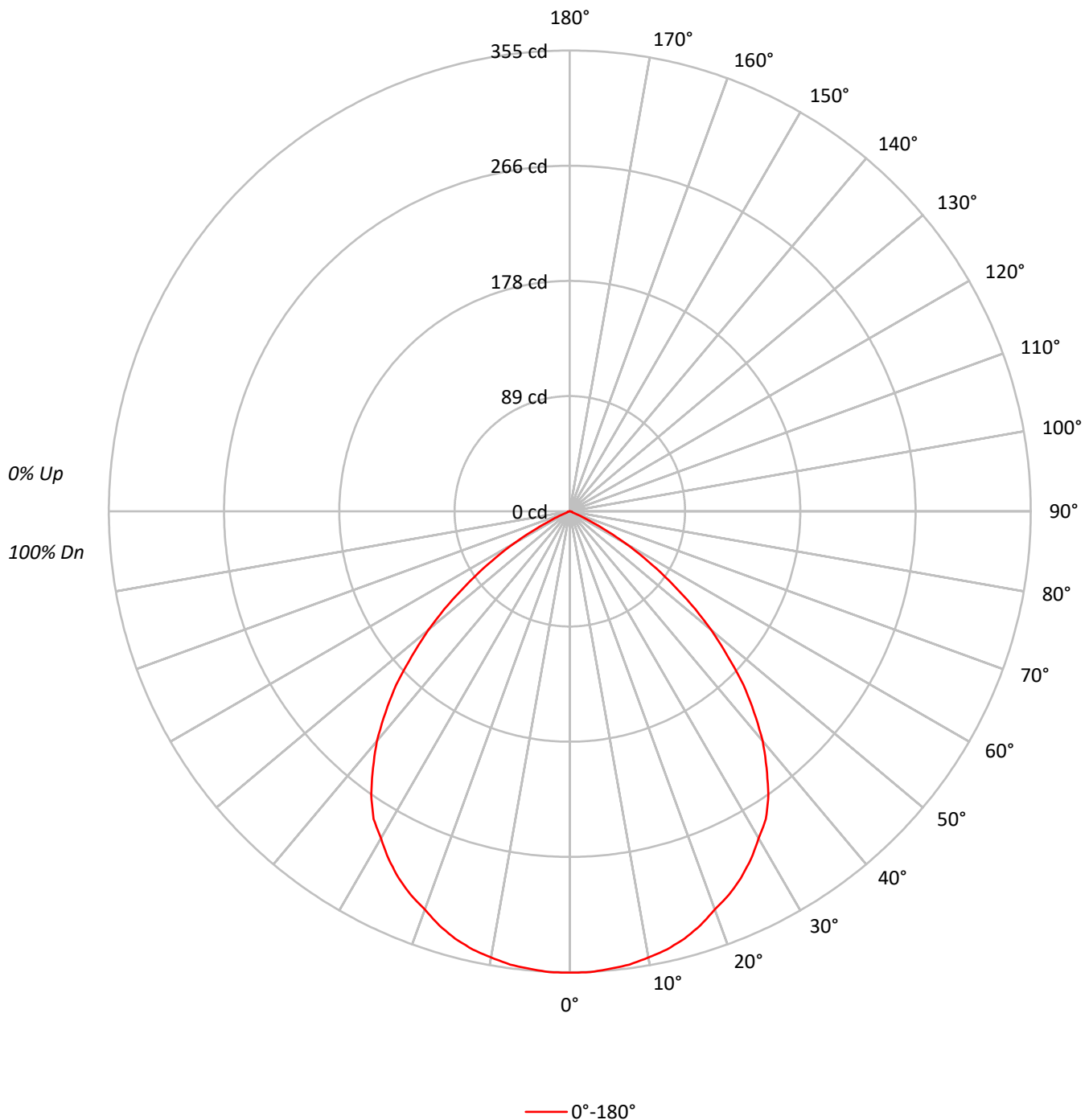
Lumens per Lamp: N/A
Luminaire Lumens: 685.9 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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	84	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°	10959
5°	10952
10°	10928
15°	10883
20°	10711
25°	10609
30°	10354
35°	10036
40°	9299
45°	8242
50°	6822
55°	5037
60°	3090
65°	941
70°	144
75°	191
80°	284
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8242 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	4.9
10°-20°	96.0	14.0
20°-30°	143.3	20.9
30°-40°	165.3	24.1
40°-50°	144.3	21.0
50°-60°	84.2	12.3
60°-70°	17.3	2.5
70°-80°	1.7	0.2
80°-90°	0.2	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°	272.9	39.8
0°-40°	438.2	63.9
0°-60°	666.7	97.2
0°-90°	685.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	355	
5°	354	34
15°	341	96
25°	312	143
35°	267	165
45°	189	144
55°	94	84
65°	13	17
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	355.4
2.5°	355.4
5°	353.8
7.5°	352.2
10°	349.0
12.5°	345.7
15°	340.9
17.5°	334.4
20°	326.4
22.5°	319.9
25°	311.8
27.5°	302.1
30°	290.8
32.5°	281.1
35°	266.6
37.5°	248.8
40°	231.0
42.5°	210.0
45°	189.0
47.5°	164.8
50°	142.2
52.5°	117.9
55°	93.7
57.5°	71.1
60°	50.1
62.5°	29.1
65°	12.9
67.5°	3.2
70°	1.6
72.5°	1.6
75°	1.6
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)