

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: P1503674

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503674
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-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

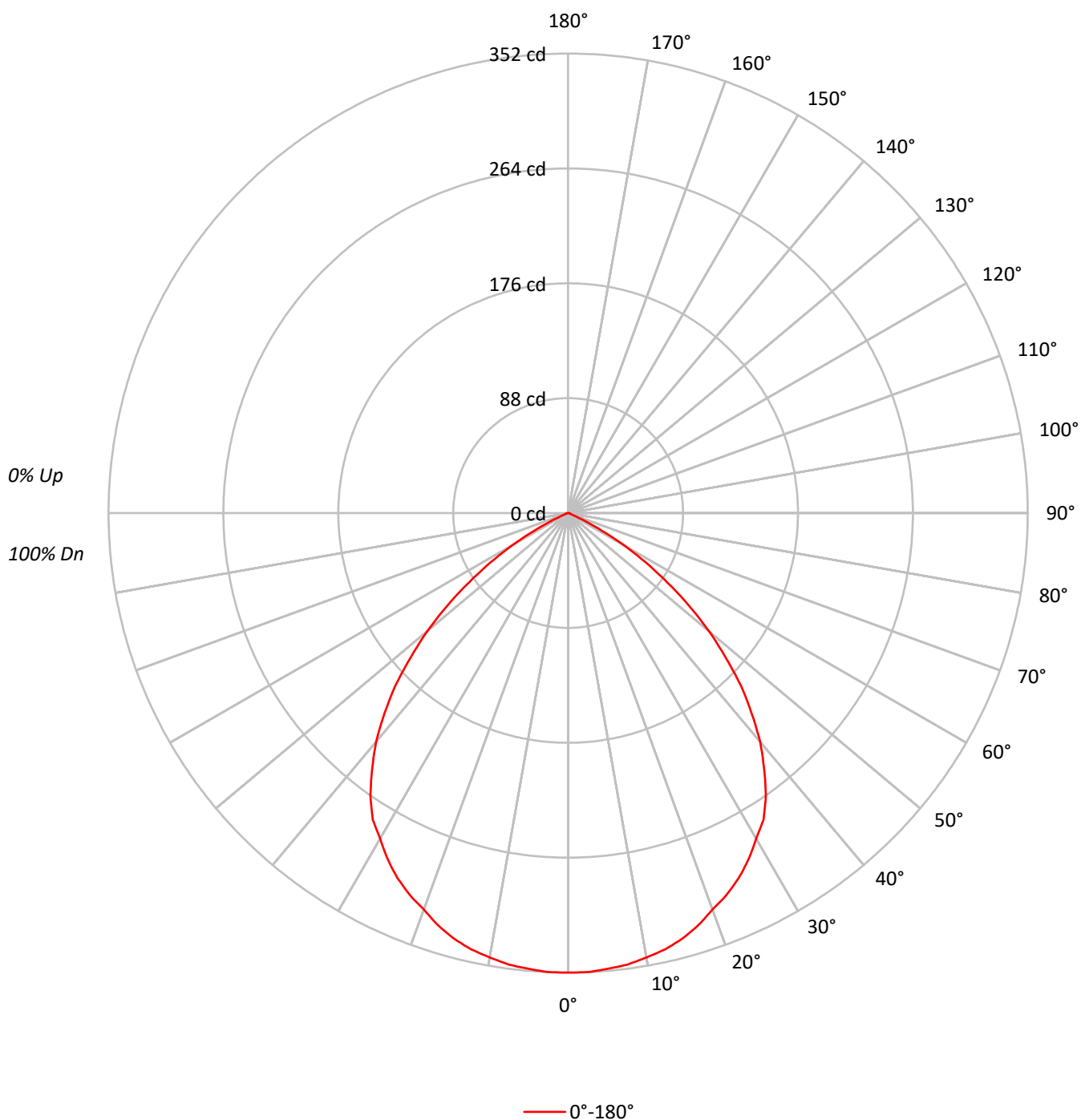
Lumens per Lamp: N/A
Luminaire Lumens: 679.4 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	10854
5°	10846
10°	10821
15°	10778
20°	10606
25°	10507
30°	10255
35°	9938
40°	9210
45°	8164
50°	6755
55°	4989
60°	3059
65°	934
70°	144
75°	191
80°	284
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8164 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	4.9
10°-20°	95.0	14.0
20°-30°	141.9	20.9
30°-40°	163.7	24.1
40°-50°	143.0	21.0
50°-60°	83.4	12.3
60°-70°	17.2	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°	270.3	39.8
0°-40°	434.0	63.9
0°-60°	660.3	97.2
0°-90°	679.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	679.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	350	33
15°	338	95
25°	309	142
35°	264	164
45°	187	143
55°	93	83
65°	13	17
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	352.0
2.5°	352.0
5°	350.4
7.5°	348.8
10°	345.6
12.5°	342.4
15°	337.6
17.5°	331.2
20°	323.2
22.5°	316.8
25°	308.8
27.5°	299.2
30°	288.0
32.5°	278.4
35°	264.0
37.5°	246.4
40°	228.8
42.5°	208.0
45°	187.2
47.5°	163.2
50°	140.8
52.5°	116.8
55°	92.8
57.5°	70.4
60°	49.6
62.5°	28.8
65°	12.8
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)