

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: P1503689

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-14)
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-OC (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

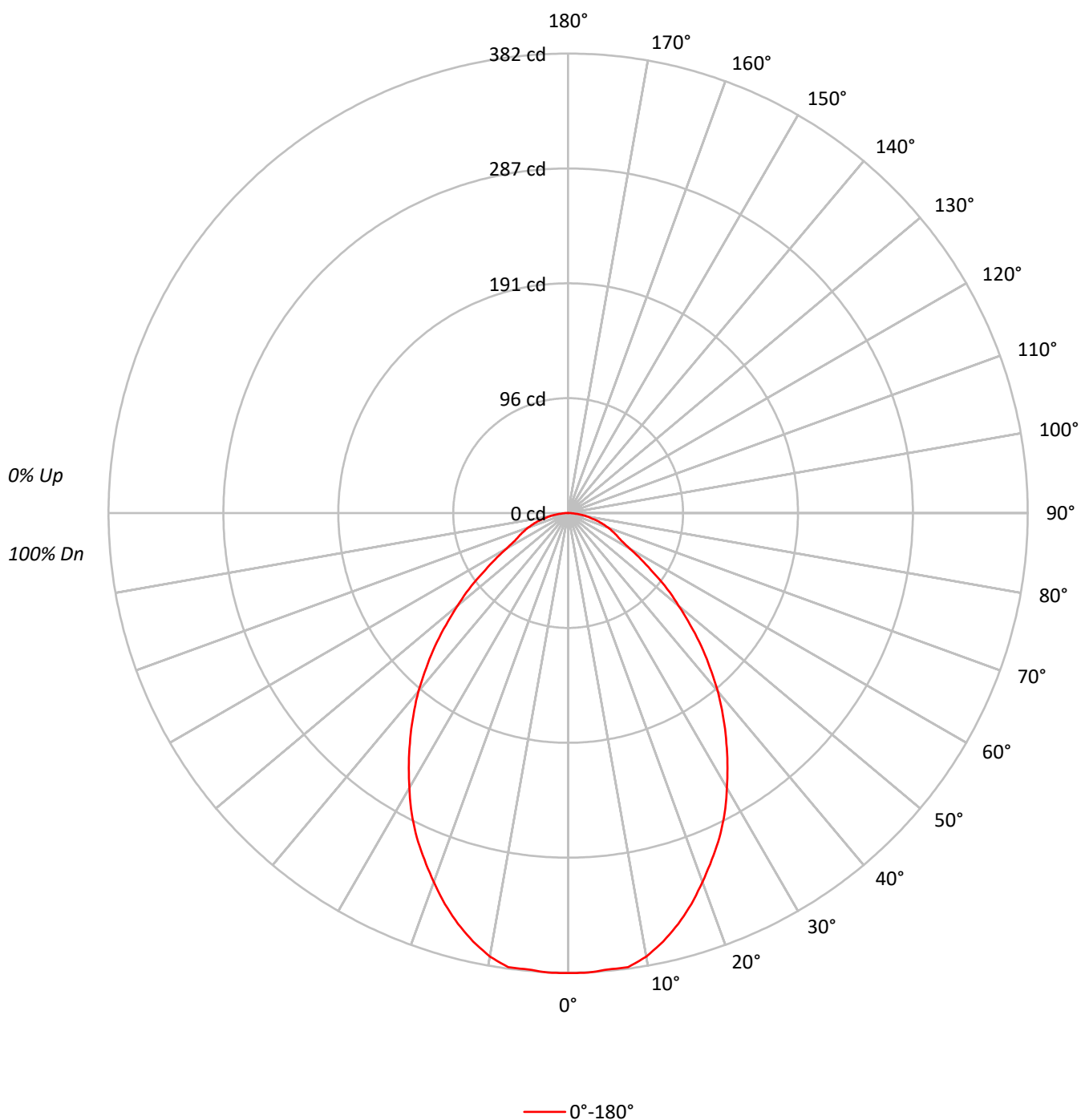
Lumens per Lamp: N/A
Luminaire Lumens: 692.9 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	88	77	69	64	85	76	69	63	73	67	62	71	66	61	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47		
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42		
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38		
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35		
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11792
5°	11787
10°	11723
15°	11288
20°	10711
25°	10126
30°	9400
35°	8613
40°	7793
45°	6838
50°	5757
55°	4645
60°	3651
65°	3269
70°	3174
75°	3050
80°	2841
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6838 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	5.2
10°-20°	99.2	14.3
20°-30°	136.4	19.7
30°-40°	142.9	20.6
40°-50°	120.3	17.4
50°-60°	78.4	11.3
60°-70°	44.9	6.5
70°-80°	26.6	3.8
80°-90°	7.8	1.1
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°	271.9	39.2
0°-40°	414.8	59.9
0°-60°	613.5	88.5
0°-90°	692.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	692.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	382	
5°	381	36
15°	354	99
25°	298	136
35°	229	143
45°	157	120
55°	86	78
65°	45	45
75°	26	27
85°	6	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	382.4
2.5°	382.4
5°	380.8
7.5°	380.8
10°	374.4
12.5°	364.8
15°	353.6
17.5°	340.8
20°	326.4
22.5°	312.0
25°	297.6
27.5°	281.6
30°	264.0
32.5°	246.4
35°	228.8
37.5°	211.2
40°	193.6
42.5°	174.4
45°	156.8
47.5°	137.6
50°	120.0
52.5°	104.0
55°	86.4
57.5°	72.0
60°	59.2
62.5°	49.6
65°	44.8
67.5°	40.0
70°	35.2
72.5°	30.4
75°	25.6
77.5°	19.2
80°	16.0
82.5°	11.2
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)