

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: P1503949

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-ND (4000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-ND (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

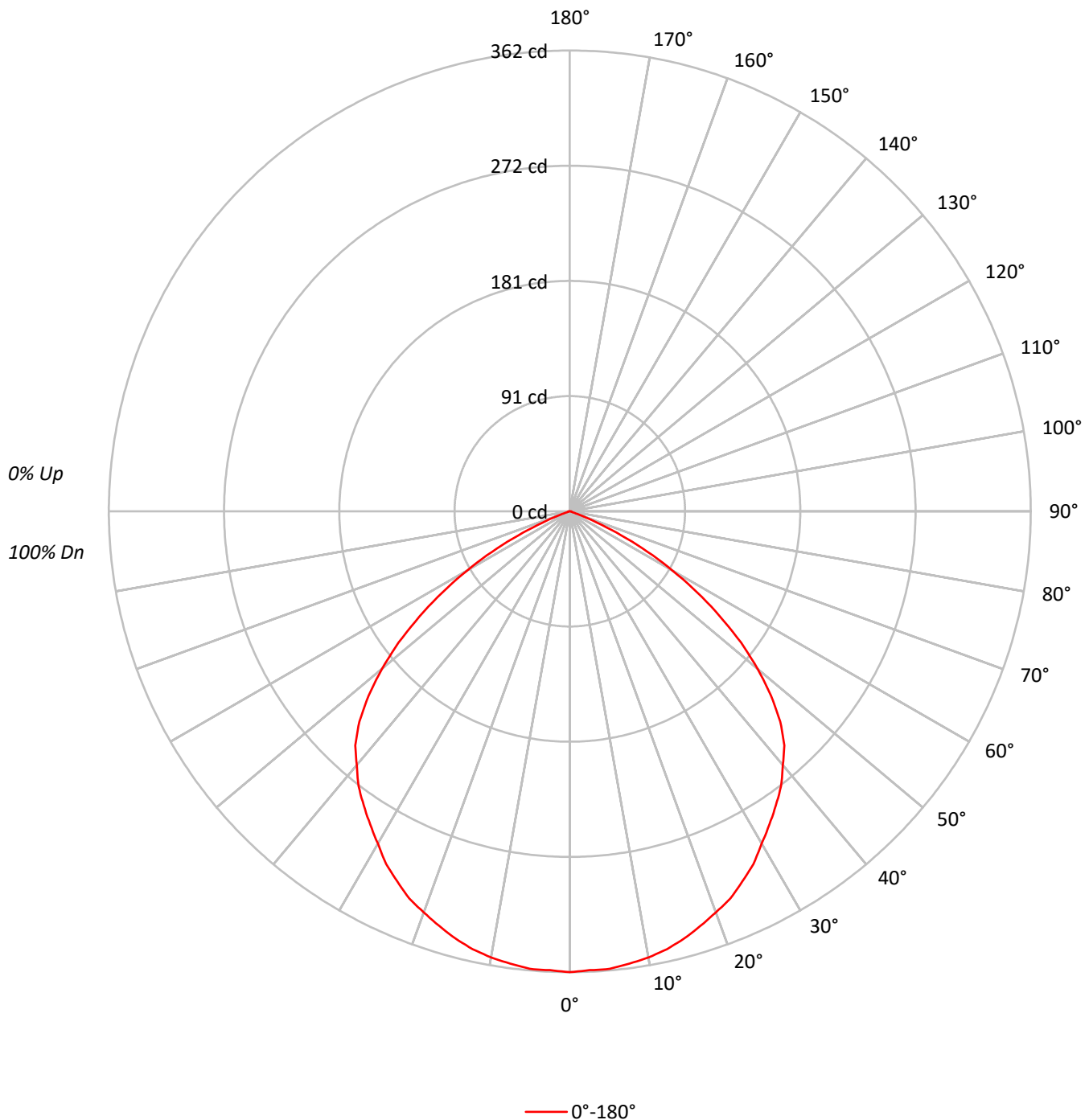
Lumens per Lamp: N/A
Luminaire Lumens: 811.8 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	
	2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	79	78	
	3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68	
	4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	
	5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52	
	6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46	
	7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41	
	8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	
	9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33	
	10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3645
5°	3647
10°	3639
15°	3621
20°	3593
25°	3564
30°	3504
35°	3468
40°	3421
45°	3326
50°	3015
55°	2530
60°	1877
65°	1067
70°	215
75°	47
80°	70
85°	139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	4.2
10°-20°	98.0	12.1
20°-30°	147.7	18.2
30°-40°	176.5	21.7
40°-50°	178.1	21.9
50°-60°	128.1	15.8
60°-70°	45.9	5.6
70°-80°	2.4	0.3
80°-90°	0.8	0.1
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°	280.0	34.5
0°-40°	456.5	56.2
0°-60°	762.7	94.0
0°-90°	811.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	362	
5°	361	34
15°	347	98
25°	321	148
35°	282	177
45°	234	178
55°	144	128
65°	45	46
75°	1	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	362.0
2.5°	360.8
5°	360.8
7.5°	358.3
10°	355.9
12.5°	352.3
15°	347.4
17.5°	341.4
20°	335.3
22.5°	329.3
25°	320.8
27.5°	312.3
30°	301.4
32.5°	291.7
35°	282.1
37.5°	272.4
40°	260.3
42.5°	249.4
45°	233.6
47.5°	214.3
50°	192.5
52.5°	169.5
55°	144.1
57.5°	118.6
60°	93.2
62.5°	69.0
65°	44.8
67.5°	23.0
70°	7.3
72.5°	2.4
75°	1.2
77.5°	1.2
80°	1.2
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)