

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: P1503967

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OC (5000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-23)
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-OC (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

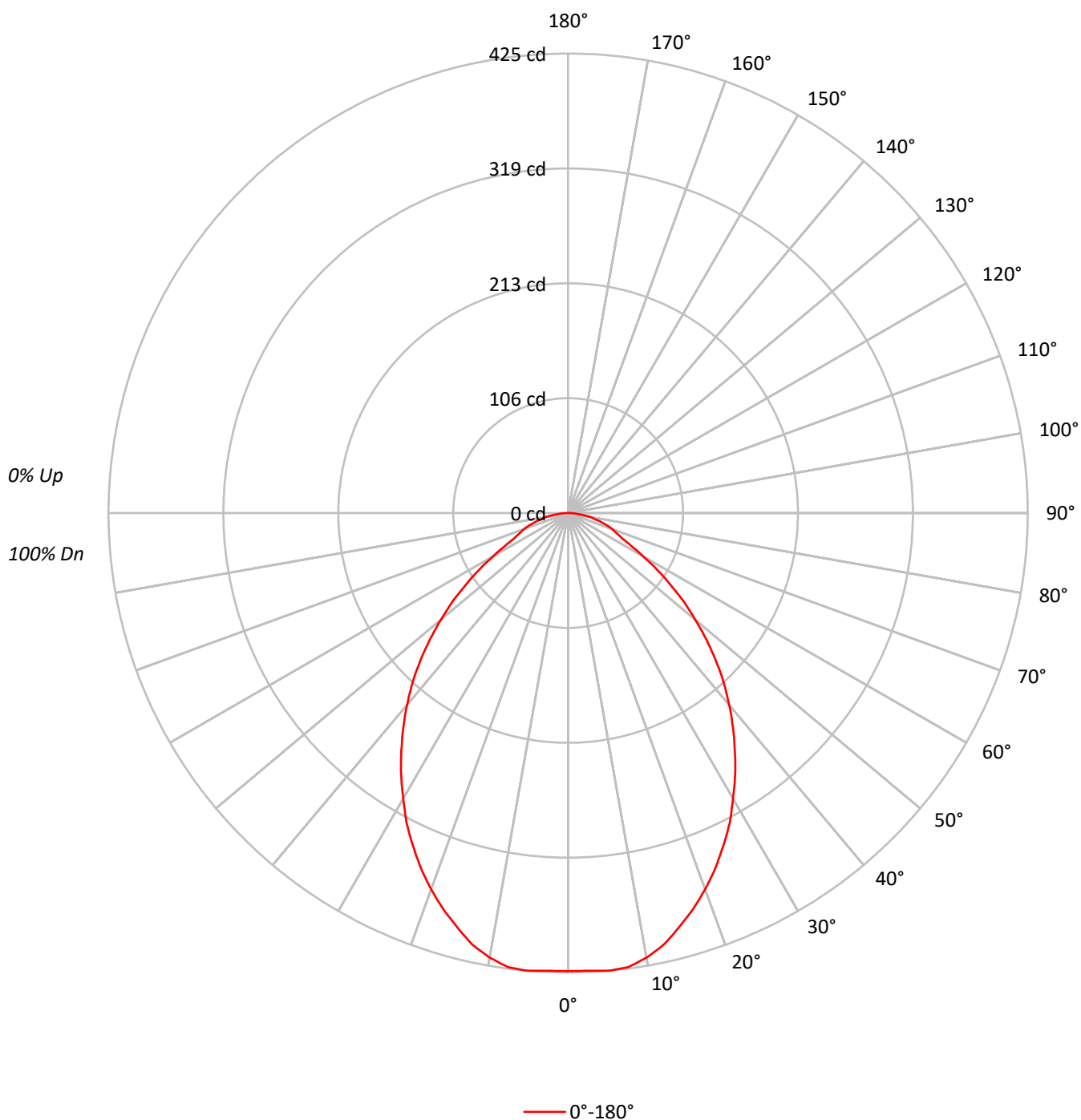
Lumens per Lamp: N/A
Luminaire Lumens: 827.8 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.4
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	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66			
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	63	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46			
7	70	58	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34			
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4266
5°	4296
10°	4269
15°	4133
20°	3969
25°	3772
30°	3544
35°	3305
40°	3046
45°	2753
50°	2406
55°	2022
60°	1621
65°	1298
70°	1278
75°	1206
80°	1148
85°	1005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2753 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	4.9
10°-20°	111.5	13.5
20°-30°	156.0	18.8
30°-40°	167.9	20.3
40°-50°	148.7	18.0
50°-60°	103.7	12.5
60°-70°	57.0	6.9
70°-80°	32.9	4.0
80°-90°	9.8	1.2
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°	307.9	37.2
0°-40°	475.8	57.5
0°-60°	728.3	88.0
0°-90°	827.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	424	
5°	425	40
15°	396	112
25°	340	156
35°	269	168
45°	193	149
55°	115	104
65°	54	57
75°	31	33
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	423.7
2.5°	423.7
5°	425.0
7.5°	423.7
10°	417.5
12.5°	408.9
15°	396.5
17.5°	384.1
20°	370.4
22.5°	355.6
25°	339.5
27.5°	323.4
30°	304.8
32.5°	287.4
35°	268.9
37.5°	250.3
40°	231.7
42.5°	213.1
45°	193.3
47.5°	173.5
50°	153.6
52.5°	135.0
55°	115.2
57.5°	97.9
60°	80.5
62.5°	65.7
65°	54.5
67.5°	48.3
70°	43.4
72.5°	37.2
75°	31.0
77.5°	24.8
80°	19.8
82.5°	13.6
85°	8.7
87.5°	3.7
90°	0.0

(END OF REPORT)