

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: P1503946

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503946
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 (3500K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

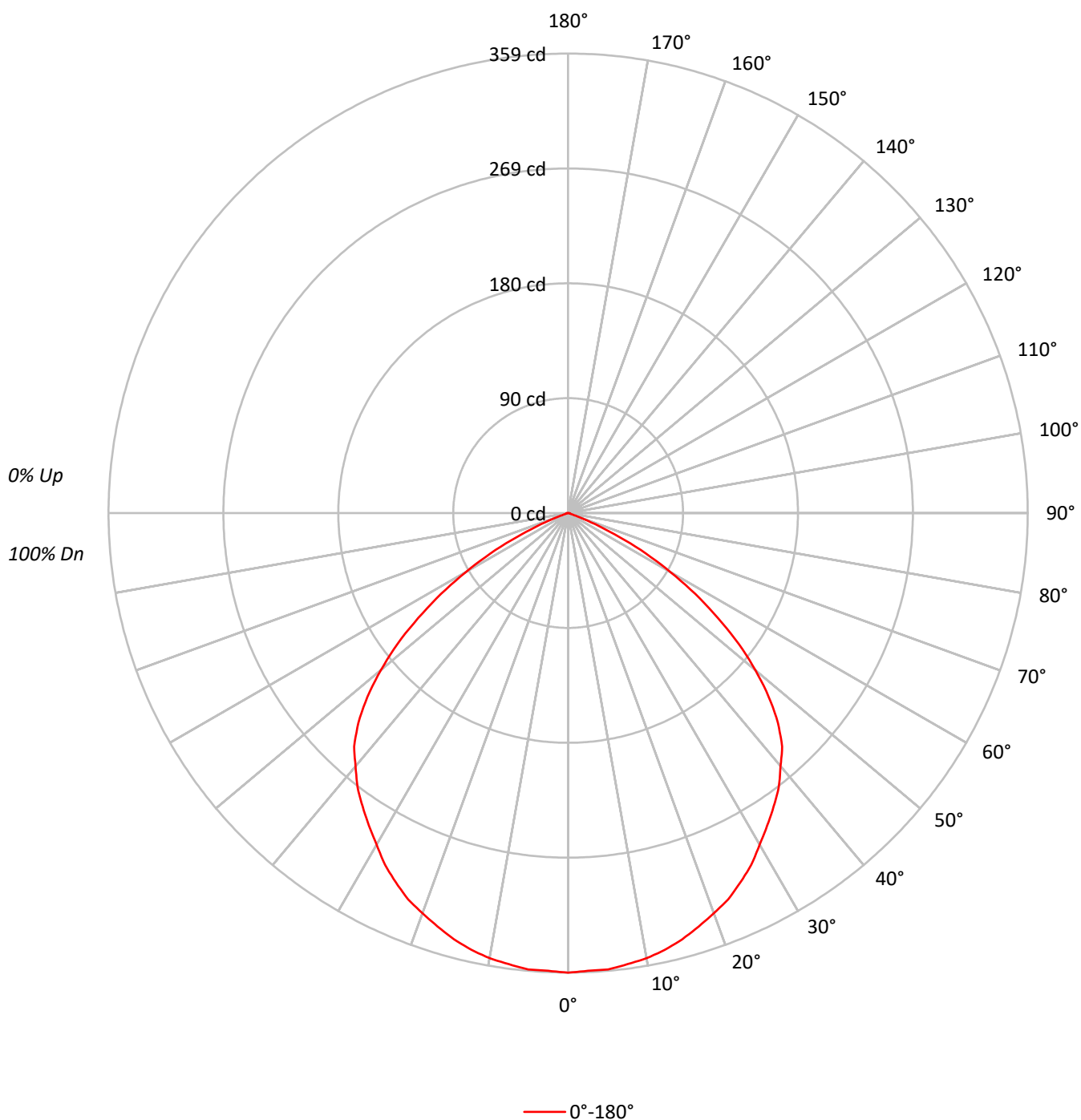
Lumens per Lamp: N/A
Luminaire Lumens: 805.4 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
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°	3616
5°	3617
10°	3610
15°	3593
20°	3565
25°	3536
30°	3478
35°	3441
40°	3394
45°	3301
50°	2992
55°	2509
60°	1863
65°	1058
70°	212
75°	47
80°	70
85°	139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	4.2
10°-20°	97.2	12.1
20°-30°	146.6	18.2
30°-40°	175.1	21.7
40°-50°	176.7	21.9
50°-60°	127.1	15.8
60°-70°	45.5	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°	277.8	34.5
0°-40°	452.9	56.2
0°-60°	756.7	94.0
0°-90°	805.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	359	
5°	358	34
15°	345	97
25°	318	147
35°	280	175
45°	232	177
55°	143	127
65°	44	45
75°	1	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	359.1
2.5°	357.9
5°	357.9
7.5°	355.5
10°	353.1
12.5°	349.5
15°	344.7
17.5°	338.7
20°	332.7
22.5°	326.7
25°	318.3
27.5°	309.9
30°	299.1
32.5°	289.5
35°	279.9
37.5°	270.2
40°	258.2
42.5°	247.4
45°	231.8
47.5°	212.6
50°	191.0
52.5°	168.2
55°	142.9
57.5°	117.7
60°	92.5
62.5°	68.5
65°	44.4
67.5°	22.8
70°	7.2
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)