

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: P1504081

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (3500K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504081
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-D2W-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 - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

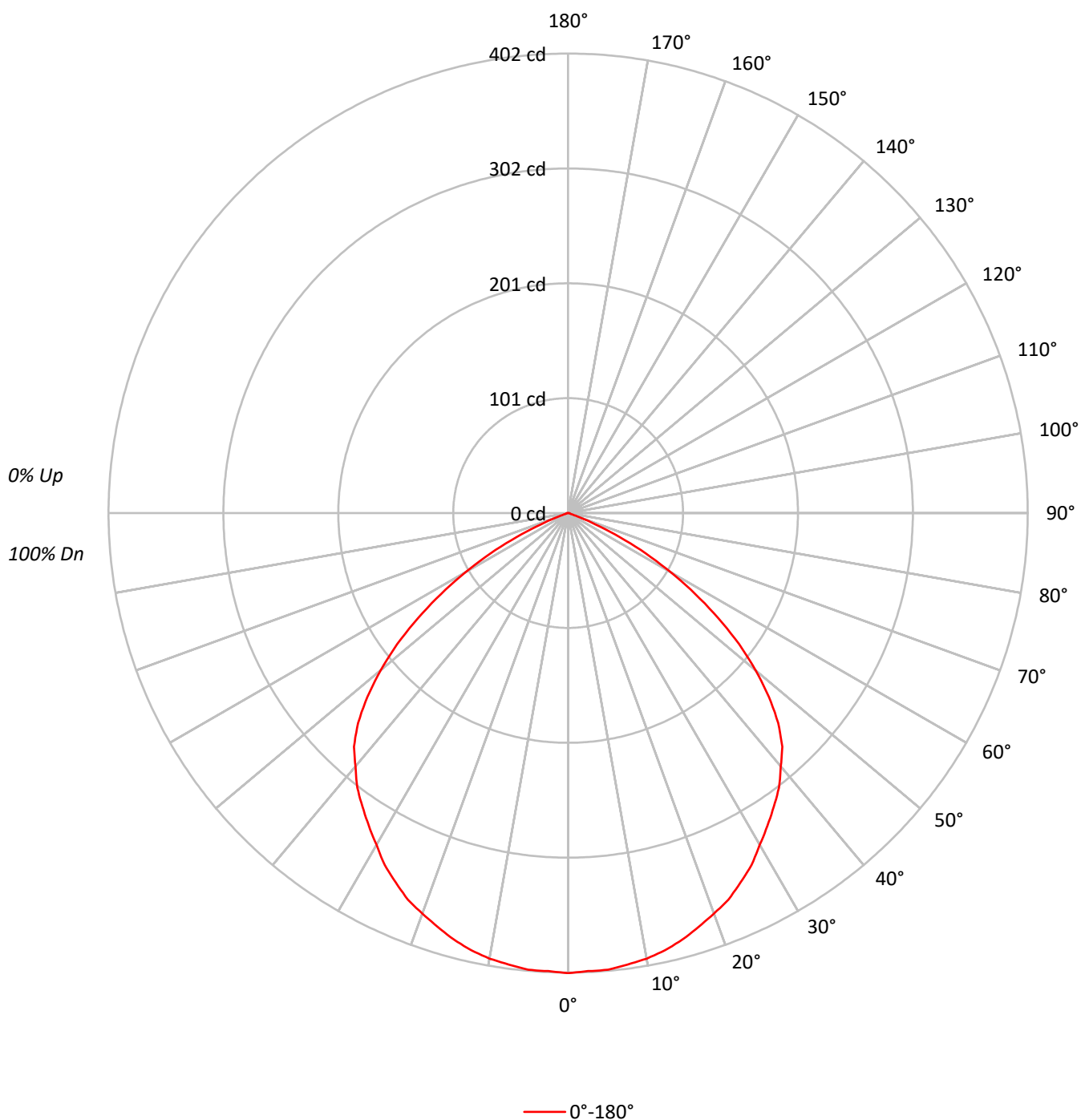
Lumens per Lamp: N/A
Luminaire Lumens: 902.6 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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	80	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°	4053
5°	4054
10°	4047
15°	4027
20°	3996
25°	3963
30°	3897
35°	3855
40°	3804
45°	3699
50°	3352
55°	2812
60°	2088
65°	1186
70°	238
75°	51
80°	75
85°	150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	4.2
10°-20°	108.9	12.1
20°-30°	164.3	18.2
30°-40°	196.3	21.7
40°-50°	198.1	21.9
50°-60°	142.5	15.8
60°-70°	51.0	5.6
70°-80°	2.6	0.3
80°-90°	0.9	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°	311.3	34.5
0°-40°	507.6	56.2
0°-60°	848.1	94.0
0°-90°	902.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	902.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	402	
5°	401	38
15°	386	109
25°	357	164
35°	314	196
45°	260	198
55°	160	142
65°	50	51
75°	1	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	402.5
2.5°	401.1
5°	401.1
7.5°	398.4
10°	395.8
12.5°	391.7
15°	386.3
17.5°	379.6
20°	372.9
22.5°	366.1
25°	356.7
27.5°	347.3
30°	335.2
32.5°	324.4
35°	313.6
37.5°	302.9
40°	289.4
42.5°	277.3
45°	259.8
47.5°	238.3
50°	214.0
52.5°	188.5
55°	160.2
57.5°	131.9
60°	103.7
62.5°	76.7
65°	49.8
67.5°	25.6
70°	8.1
72.5°	2.7
75°	1.3
77.5°	1.3
80°	1.3
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)