

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: P1503952

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503952
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 (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

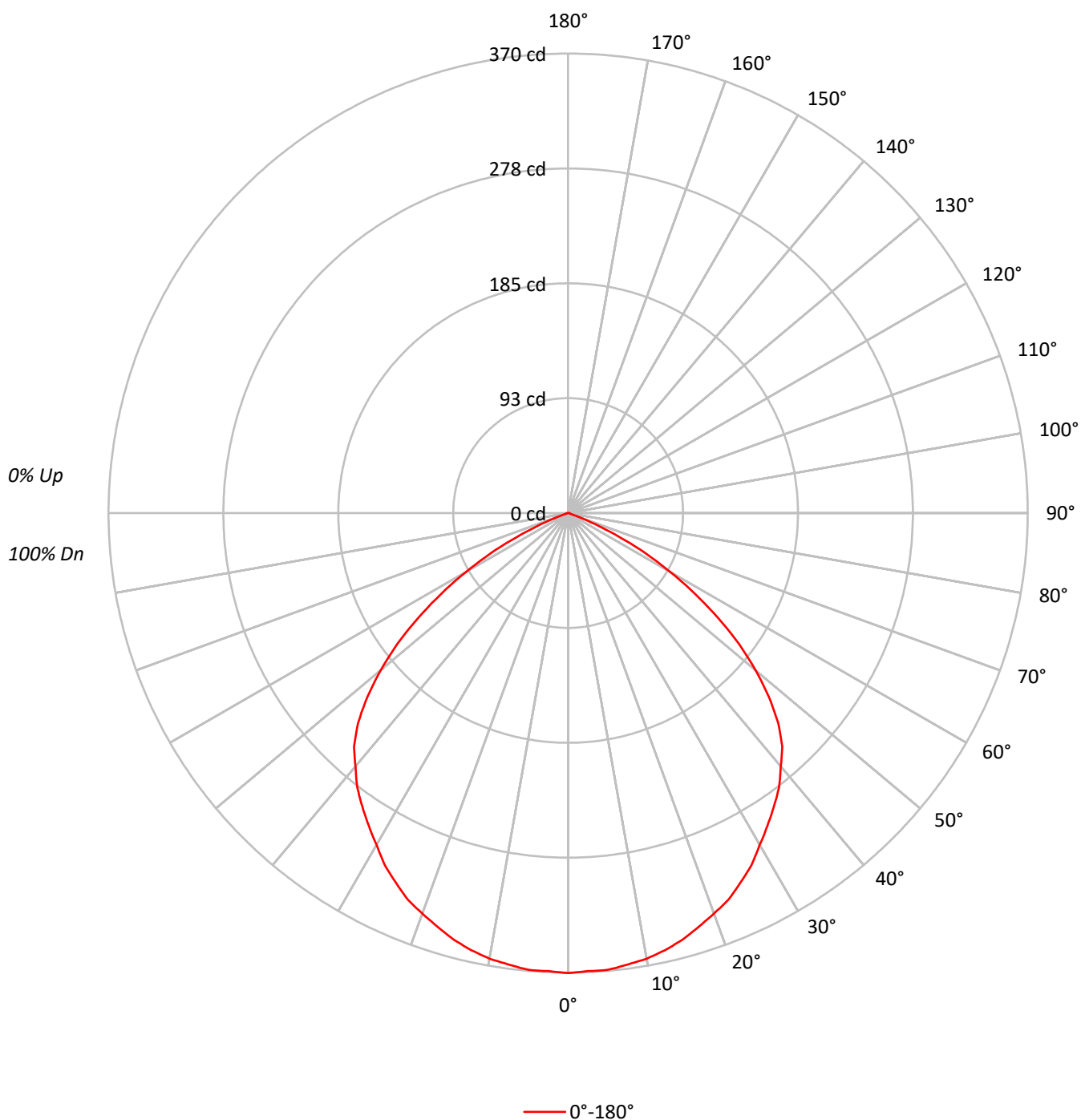
Lumens per Lamp: N/A
Luminaire Lumens: 830.7 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.4
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			
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	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°	3730
5°	3732
10°	3725
15°	3707
20°	3677
25°	3647
30°	3587
35°	3549
40°	3502
45°	3405
50°	3086
55°	2588
60°	1921
65°	1091
70°	218
75°	47
80°	70
85°	139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	4.2
10°-20°	100.3	12.1
20°-30°	151.2	18.2
30°-40°	180.7	21.7
40°-50°	182.3	21.9
50°-60°	131.1	15.8
60°-70°	46.9	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°	286.5	34.5
0°-40°	467.2	56.2
0°-60°	780.6	94.0
0°-90°	830.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	370	
5°	369	35
15°	356	100
25°	328	151
35°	289	181
45°	239	182
55°	147	131
65°	46	47
75°	1	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	370.4
2.5°	369.2
5°	369.2
7.5°	366.7
10°	364.3
12.5°	360.5
15°	355.6
17.5°	349.4
20°	343.2
22.5°	337.0
25°	328.3
27.5°	319.6
30°	308.5
32.5°	298.6
35°	288.7
37.5°	278.8
40°	266.4
42.5°	255.2
45°	239.1
47.5°	219.3
50°	197.0
52.5°	173.5
55°	147.4
57.5°	121.4
60°	95.4
62.5°	70.6
65°	45.8
67.5°	23.5
70°	7.4
72.5°	2.5
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)