

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: P1504054

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-22)
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-WHTE-XX-OC (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

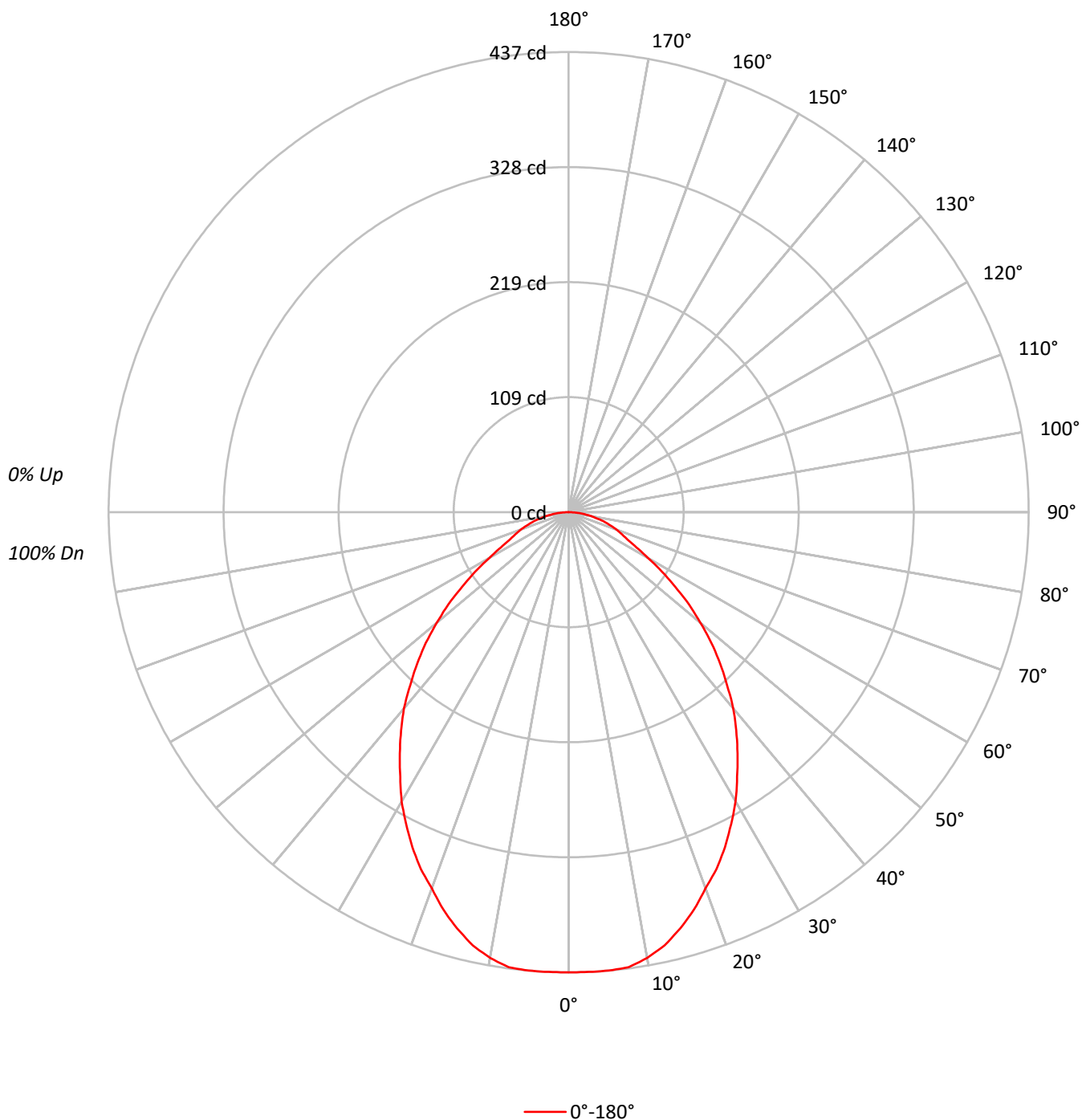
Lumens per Lamp: N/A
Luminaire Lumens: 871.6 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87		
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75		
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65		
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57		
5	80	69	60	54	78	67	60	54	65	59	53	64	58	53	62	57	52	50		
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40		
8	65	52	45	39	64	52	44	39	50	44	39	49	43	39	48	43	38	37		
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33		
10	57	45	38	33	56	44	37	32	43	37	32	43	37	32	42	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4400
5°	4417
10°	4394
15°	4266
20°	4073
25°	3901
30°	3688
35°	3437
40°	3198
45°	2896
50°	2560
55°	2168
60°	1756
65°	1470
70°	1425
75°	1366
80°	1264
85°	1121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2896 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	4.8
10°-20°	114.9	13.2
20°-30°	161.2	18.5
30°-40°	174.9	20.1
40°-50°	156.7	18.0
50°-60°	111.1	12.7
60°-70°	63.4	7.3
70°-80°	36.7	4.2
80°-90°	11.2	1.3
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°	317.6	36.4
0°-40°	492.5	56.5
0°-60°	760.2	87.2
0°-90°	871.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	437	
5°	437	42
15°	409	115
25°	351	161
35°	280	175
45°	203	157
55°	124	111
65°	62	63
75°	35	37
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	437.0
2.5°	437.0
5°	437.0
7.5°	435.8
10°	429.8
12.5°	421.3
15°	409.2
17.5°	395.9
20°	380.1
22.5°	366.8
25°	351.1
27.5°	334.1
30°	317.2
32.5°	297.8
35°	279.6
37.5°	261.5
40°	243.3
42.5°	222.7
45°	203.4
47.5°	184.0
50°	163.4
52.5°	144.1
55°	123.5
57.5°	105.3
60°	87.2
62.5°	72.6
65°	61.7
67.5°	54.5
70°	48.4
72.5°	41.2
75°	35.1
77.5°	27.8
80°	21.8
82.5°	15.7
85°	9.7
87.5°	4.8
90°	0.0

(END OF REPORT)