

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: P1504053

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504053
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-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

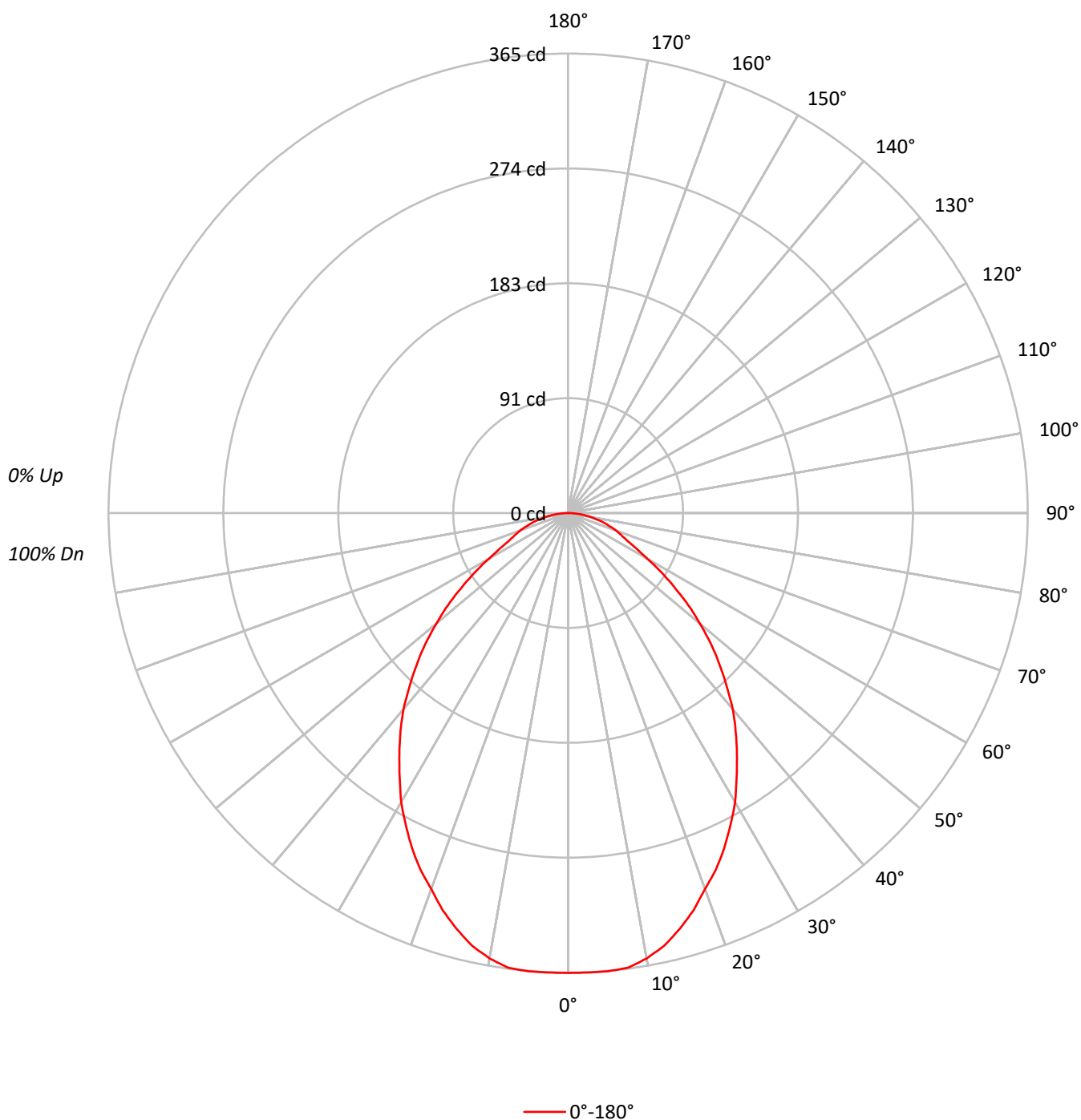
Lumens per Lamp: N/A
Luminaire Lumens: 728.5 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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	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°	3678
5°	3692
10°	3673
15°	3565
20°	3404
25°	3260
30°	3082
35°	2873
40°	2674
45°	2421
50°	2140
55°	1812
60°	1468
65°	1229
70°	1192
75°	1140
80°	1055
85°	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2421 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	4.8
10°-20°	96.0	13.2
20°-30°	134.7	18.5
30°-40°	146.2	20.1
40°-50°	131.0	18.0
50°-60°	92.8	12.7
60°-70°	53.0	7.3
70°-80°	30.7	4.2
80°-90°	9.4	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°	265.5	36.4
0°-40°	411.6	56.5
0°-60°	635.4	87.2
0°-90°	728.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	728.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	365	
5°	365	35
15°	342	96
25°	293	135
35°	234	146
45°	170	131
55°	103	93
65°	52	53
75°	29	31
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	365.3
2.5°	365.3
5°	365.3
7.5°	364.3
10°	359.2
12.5°	352.1
15°	342.0
17.5°	330.9
20°	317.7
22.5°	306.6
25°	293.4
27.5°	279.3
30°	265.1
32.5°	248.9
35°	233.7
37.5°	218.6
40°	203.4
42.5°	186.2
45°	170.0
47.5°	153.8
50°	136.6
52.5°	120.4
55°	103.2
57.5°	88.0
60°	72.9
62.5°	60.7
65°	51.6
67.5°	45.5
70°	40.5
72.5°	34.4
75°	29.3
77.5°	23.3
80°	18.2
82.5°	13.2
85°	8.1
87.5°	4.0
90°	0.0

(END OF REPORT)