

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: P1504042

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-16)
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-ND (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

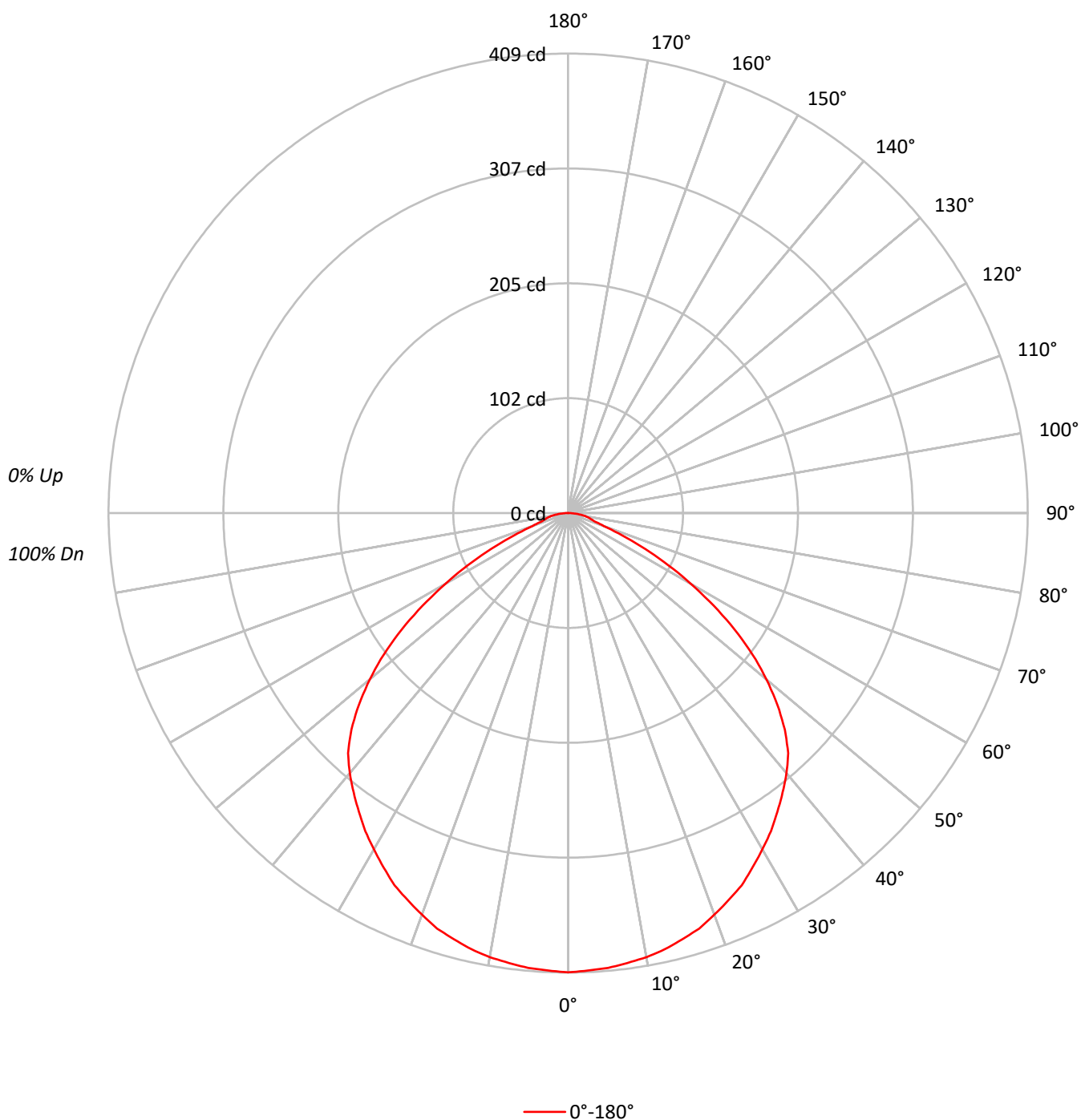
Lumens per Lamp: N/A
Luminaire Lumens: 997.1 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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				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	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75			
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65			
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56			
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49			
6	73	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45	43			
7	68	55	47	41	66	55	47	41	53	46	41	52	45	40	50	45	40	38			
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34			
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31			
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4116
5°	4108
10°	4104
15°	4094
20°	4076
25°	4061
30°	4019
35°	3990
40°	3973
45°	3882
50°	3609
55°	3176
60°	2545
65°	1801
70°	986
75°	821
80°	864
85°	855

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3882 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	3.9
10°-20°	110.9	11.1
20°-30°	168.1	16.9
30°-40°	203.3	20.4
40°-50°	208.6	20.9
50°-60°	160.5	16.1
60°-70°	75.8	7.6
70°-80°	23.4	2.3
80°-90°	7.8	0.8
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°	317.7	31.9
0°-40°	521.0	52.2
0°-60°	890.1	89.3
0°-90°	997.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	409	
5°	406	39
15°	393	111
25°	366	168
35°	325	203
45°	273	209
55°	181	161
65°	76	76
75°	21	23
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	408.8
2.5°	407.6
5°	406.4
7.5°	403.9
10°	401.4
12.5°	397.7
15°	392.7
17.5°	387.8
20°	380.4
22.5°	372.9
25°	365.5
27.5°	355.6
30°	345.7
32.5°	335.8
35°	324.6
37.5°	313.5
40°	302.3
42.5°	289.9
45°	272.6
47.5°	252.7
50°	230.4
52.5°	206.9
55°	180.9
57.5°	153.6
60°	126.4
62.5°	100.4
65°	75.6
67.5°	52.0
70°	33.5
72.5°	24.8
75°	21.1
77.5°	18.6
80°	14.9
82.5°	11.2
85°	7.4
87.5°	2.5
90°	0.0

(END OF REPORT)