

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: P1504058

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-19)
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-OT (2700K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

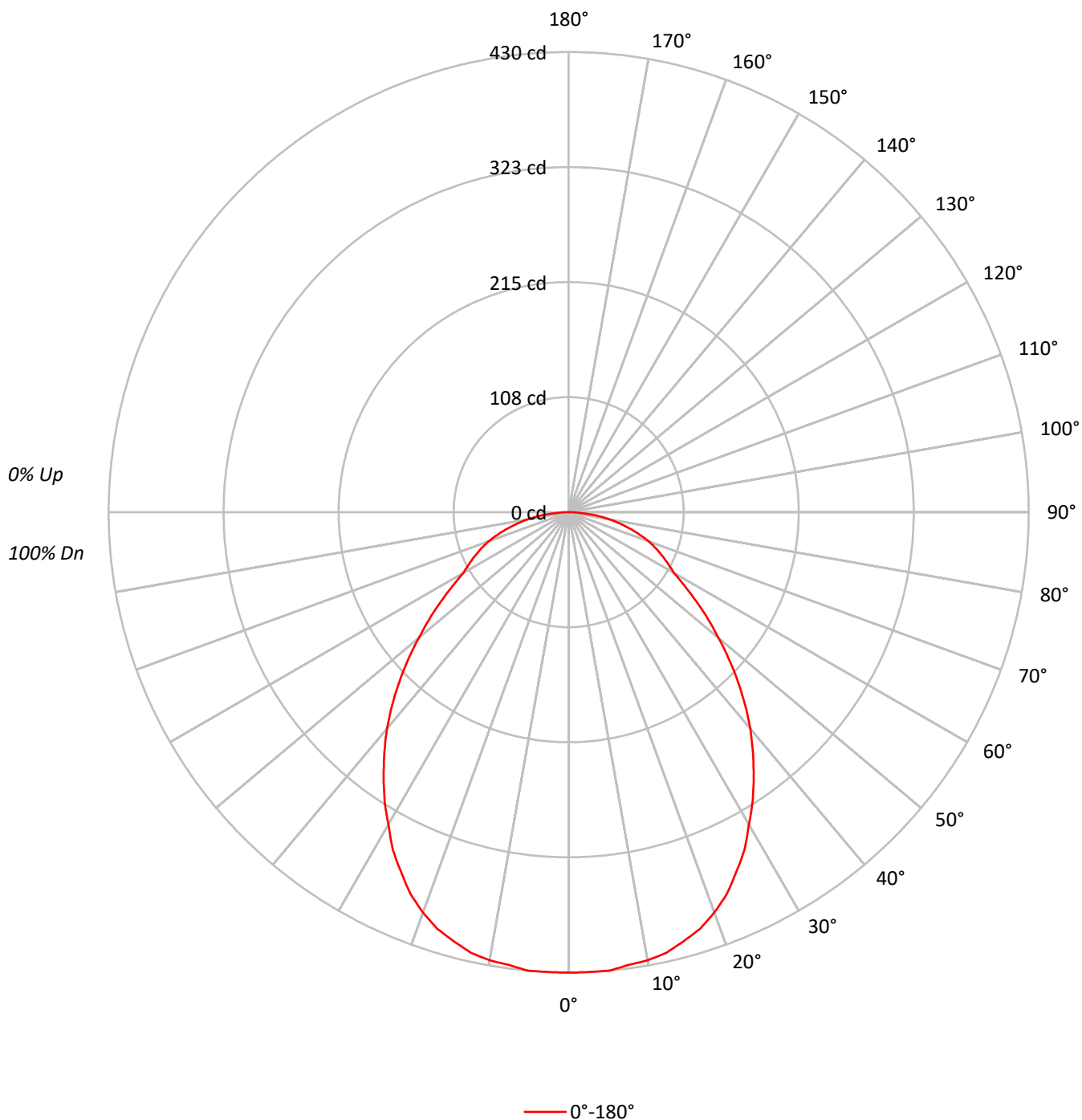
Lumens per Lamp: N/A
Luminaire Lumens: 997.7 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85	
	2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72	
	3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62	
	4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54	
	5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47	
	6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42	
	7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37	
	8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34	
	9	59	46	38	33	58	45	38	33	44	37	33	43	37	32	42	36	32	30	
	10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4332
5°	4348
10°	4346
15°	4326
20°	4265
25°	4121
30°	3918
35°	3706
40°	3473
45°	3184
50°	2865
55°	2558
60°	2286
65°	2299
70°	2343
75°	2307
80°	2261
85°	1952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3184 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	4.1
10°-20°	117.0	11.7
20°-30°	170.5	17.1
30°-40°	188.3	18.9
40°-50°	172.3	17.3
50°-60°	131.0	13.1
60°-70°	95.6	9.6
70°-80°	62.6	6.3
80°-90°	19.6	2.0
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°	328.3	32.9
0°-40°	516.6	51.8
0°-60°	820.0	82.2
0°-90°	997.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	430	
5°	430	41
15°	415	117
25°	371	170
35°	302	188
45°	224	172
55°	146	131
65°	96	96
75°	59	63
85°	17	20
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	430.2
2.5°	430.2
5°	430.2
7.5°	426.8
10°	425.1
12.5°	421.7
15°	415.0
17.5°	408.2
20°	398.0
22.5°	386.2
25°	370.9
27.5°	355.7
30°	337.0
32.5°	320.1
35°	301.5
37.5°	282.8
40°	264.2
42.5°	243.9
45°	223.6
47.5°	203.2
50°	182.9
52.5°	164.3
55°	145.7
57.5°	128.7
60°	113.5
62.5°	105.0
65°	96.5
67.5°	88.1
70°	79.6
72.5°	69.4
75°	59.3
77.5°	49.1
80°	39.0
82.5°	28.8
85°	16.9
87.5°	6.8
90°	0.0

(END OF REPORT)