

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: P1504193

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OT (2700K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504193
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-D2W-XXXX-WHITE-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 - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

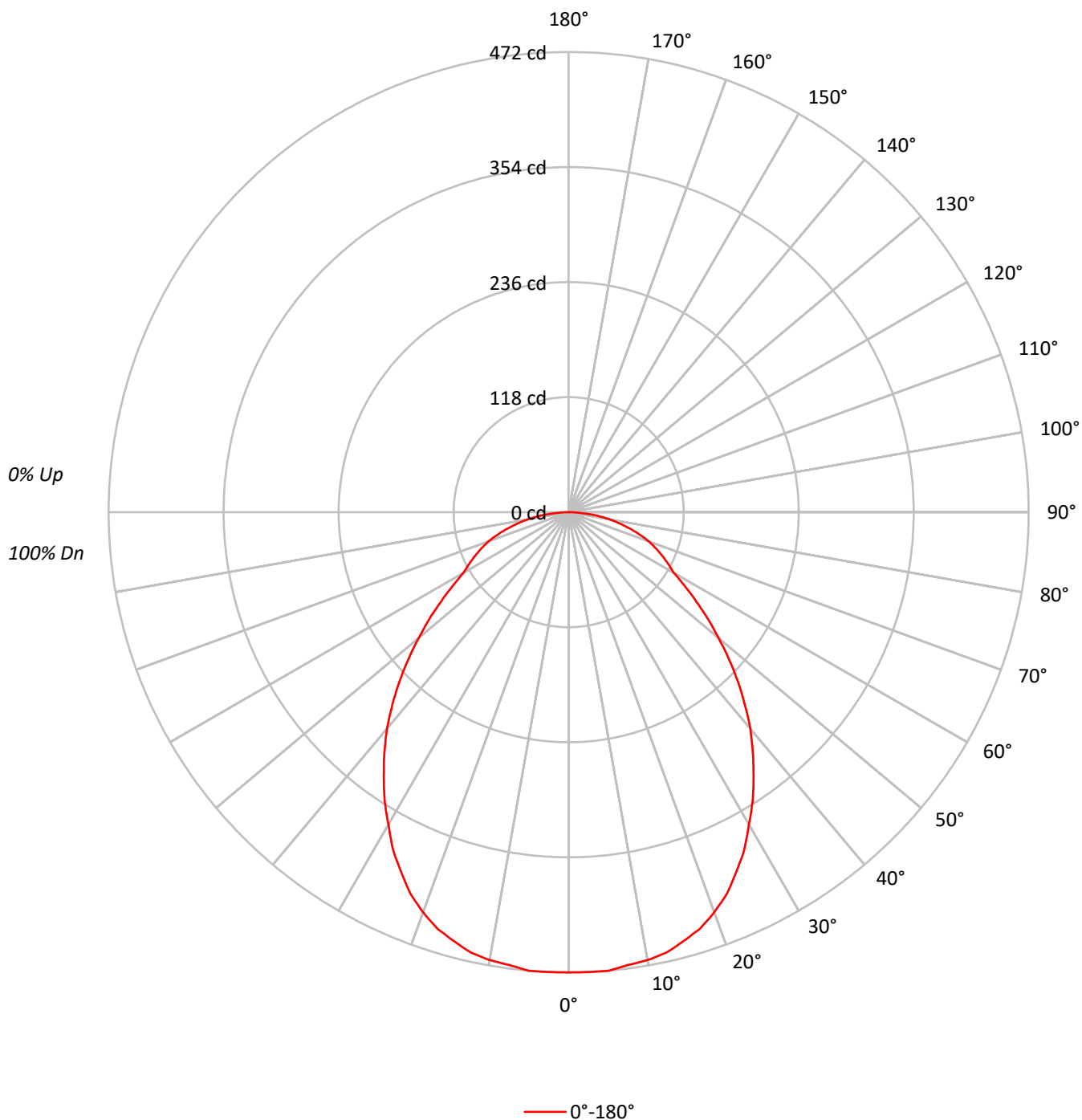
Lumens per Lamp: N/A
Luminaire Lumens: 1094.9 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.9
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	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
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	</		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4754
5°	4772
10°	4770
15°	4747
20°	4680
25°	4522
30°	4301
35°	4066
40°	3812
45°	3493
50°	3144
55°	2805
60°	2507
65°	2523
70°	2573
75°	2533
80°	2476
85°	2149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	4.1
10°-20°	128.4	11.7
20°-30°	187.1	17.1
30°-40°	206.7	18.9
40°-50°	189.0	17.3
50°-60°	143.8	13.1
60°-70°	104.9	9.6
70°-80°	68.7	6.3
80°-90°	21.5	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°	360.3	32.9
0°-40°	567.0	51.8
0°-60°	899.8	82.2
0°-90°	1094.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	472	
5°	472	45
15°	455	128
25°	407	187
35°	331	207
45°	245	189
55°	160	144
65°	106	105
75°	65	69
85°	19	21
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	472.1
2.5°	472.1
5°	472.1
7.5°	468.4
10°	466.5
12.5°	462.8
15°	455.4
17.5°	447.9
20°	436.8
22.5°	423.8
25°	407.0
27.5°	390.3
30°	369.9
32.5°	351.3
35°	330.8
37.5°	310.4
40°	290.0
42.5°	267.6
45°	245.3
47.5°	223.0
50°	200.7
52.5°	180.3
55°	159.8
57.5°	141.3
60°	124.5
62.5°	115.2
65°	105.9
67.5°	96.7
70°	87.4
72.5°	76.2
75°	65.1
77.5°	53.9
80°	42.7
82.5°	31.6
85°	18.6
87.5°	7.4
90°	0.0

(END OF REPORT)