

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: P1504171

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (3500K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504171
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-D2W-XXXX-WHTE-XX-ND (3500K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

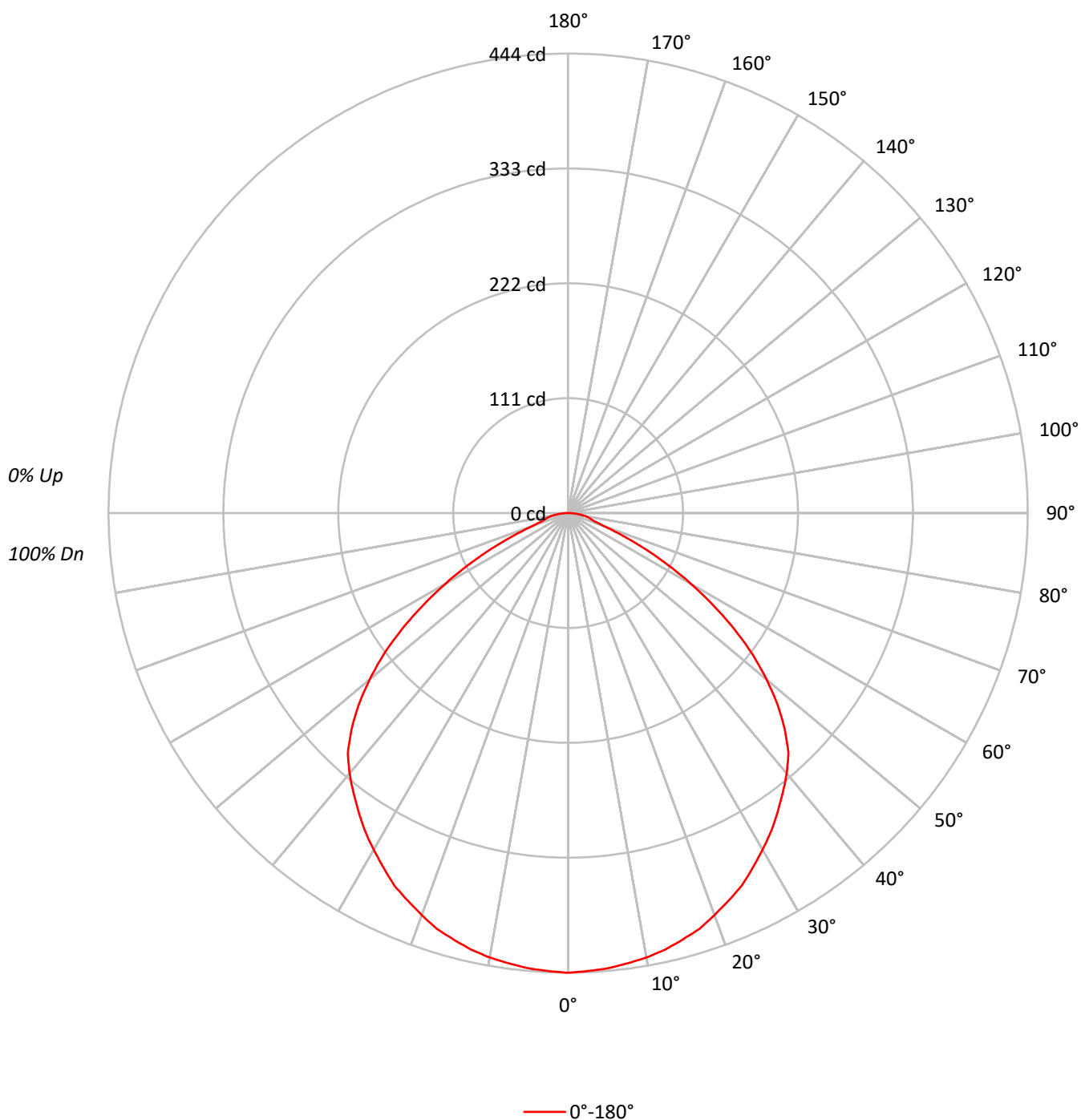
Lumens per Lamp: N/A
Luminaire Lumens: 1083.3 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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	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	41	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°	4473
5°	4462
10°	4459
15°	4448
20°	4429
25°	4412
30°	4367
35°	4335
40°	4317
45°	4216
50°	3922
55°	3450
60°	2765
65°	1956
70°	1069
75°	891
80°	939
85°	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	3.9
10°-20°	120.5	11.1
20°-30°	182.7	16.9
30°-40°	220.9	20.4
40°-50°	226.7	20.9
50°-60°	174.4	16.1
60°-70°	82.3	7.6
70°-80°	25.4	2.3
80°-90°	8.4	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°	345.1	31.9
0°-40°	566.0	52.2
0°-60°	967.1	89.3
0°-90°	1083.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	444	
5°	442	42
15°	427	120
25°	397	183
35°	353	221
45°	296	227
55°	196	174
65°	82	82
75°	23	25
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	444.2
2.5°	442.9
5°	441.5
7.5°	438.8
10°	436.1
12.5°	432.1
15°	426.7
17.5°	421.3
20°	413.3
22.5°	405.2
25°	397.1
27.5°	386.3
30°	375.6
32.5°	364.8
35°	352.7
37.5°	340.6
40°	328.4
42.5°	315.0
45°	296.1
47.5°	274.6
50°	250.4
52.5°	224.8
55°	196.5
57.5°	166.9
60°	137.3
62.5°	109.0
65°	82.1
67.5°	56.5
70°	36.3
72.5°	26.9
75°	22.9
77.5°	20.2
80°	16.2
82.5°	12.1
85°	8.1
87.5°	2.7
90°	0.0

(END OF REPORT)