

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: P1504169

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (3500K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504169
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-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

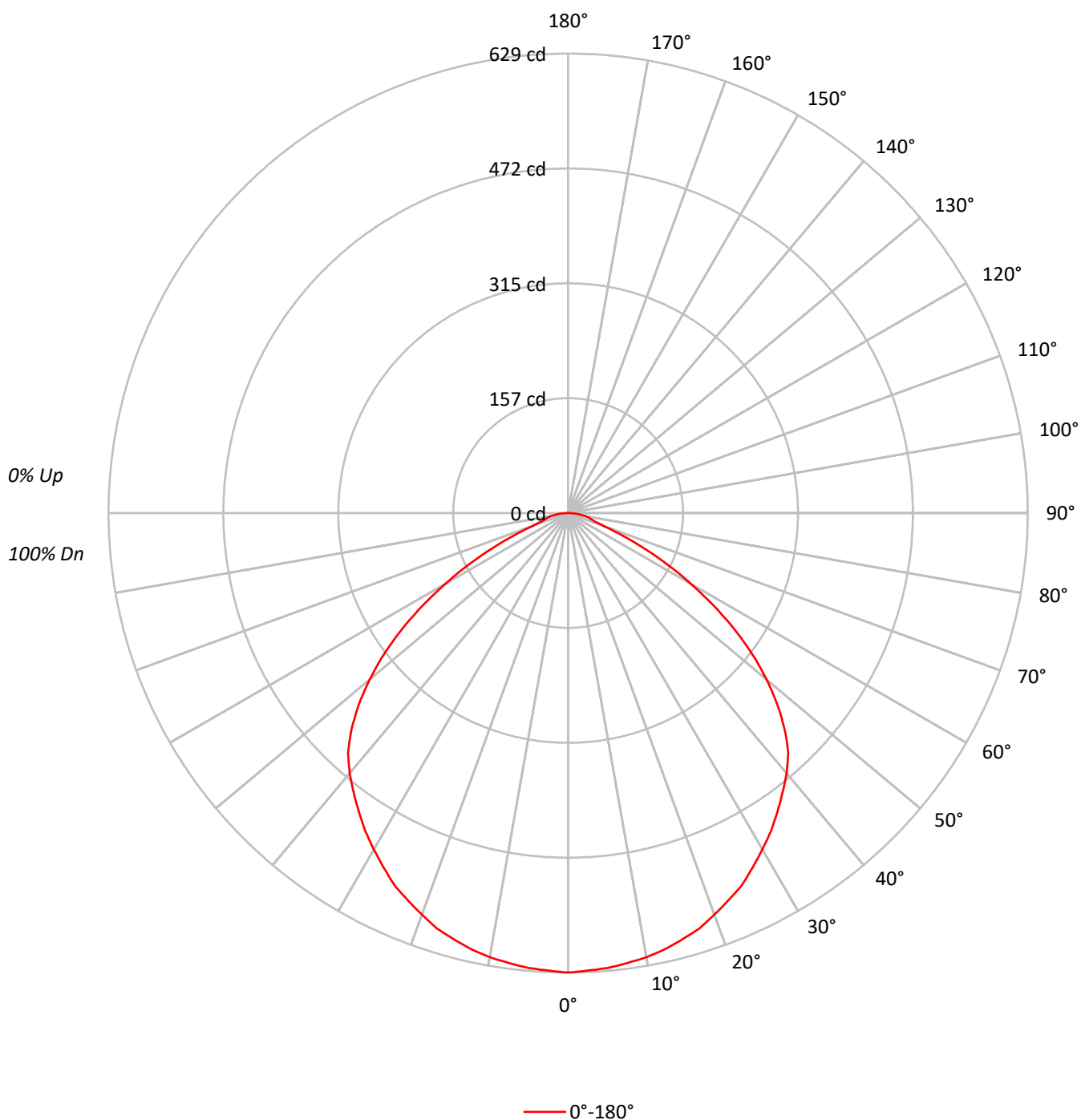
Lumens per Lamp: N/A
Luminaire Lumens: 1533.5 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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°	6332
5°	6317
10°	6313
15°	6297
20°	6268
25°	6246
30°	6182
35°	6137
40°	6112
45°	5969
50°	5552
55°	4884
60°	3915
65°	2768
70°	1516
75°	1260
80°	1328
85°	1317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5969 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.9
10°-20°	170.6	11.1
20°-30°	258.6	16.9
30°-40°	312.7	20.4
40°-50°	320.9	20.9
50°-60°	246.9	16.1
60°-70°	116.6	7.6
70°-80°	36.0	2.3
80°-90°	11.9	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°	488.6	31.9
0°-40°	801.3	52.2
0°-60°	1369.1	89.3
0°-90°	1533.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	629	
5°	625	59
15°	604	171
25°	562	259
35°	499	313
45°	419	321
55°	278	247
65°	116	117
75°	32	36
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	628.9
2.5°	626.9
5°	625.0
7.5°	621.2
10°	617.4
12.5°	611.7
15°	604.1
17.5°	596.5
20°	585.0
22.5°	573.6
25°	562.2
27.5°	546.9
30°	531.7
32.5°	516.4
35°	499.3
37.5°	482.1
40°	465.0
42.5°	445.9
45°	419.2
47.5°	388.7
50°	354.4
52.5°	318.2
55°	278.2
57.5°	236.3
60°	194.4
62.5°	154.4
65°	116.2
67.5°	80.0
70°	51.5
72.5°	38.1
75°	32.4
77.5°	28.6
80°	22.9
82.5°	17.2
85°	11.4
87.5°	3.8
90°	0.0

(END OF REPORT)