

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: P1504034

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (3500K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504034
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 (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
Ballast/Driver: ELECTRONIC DRIVER

Summary

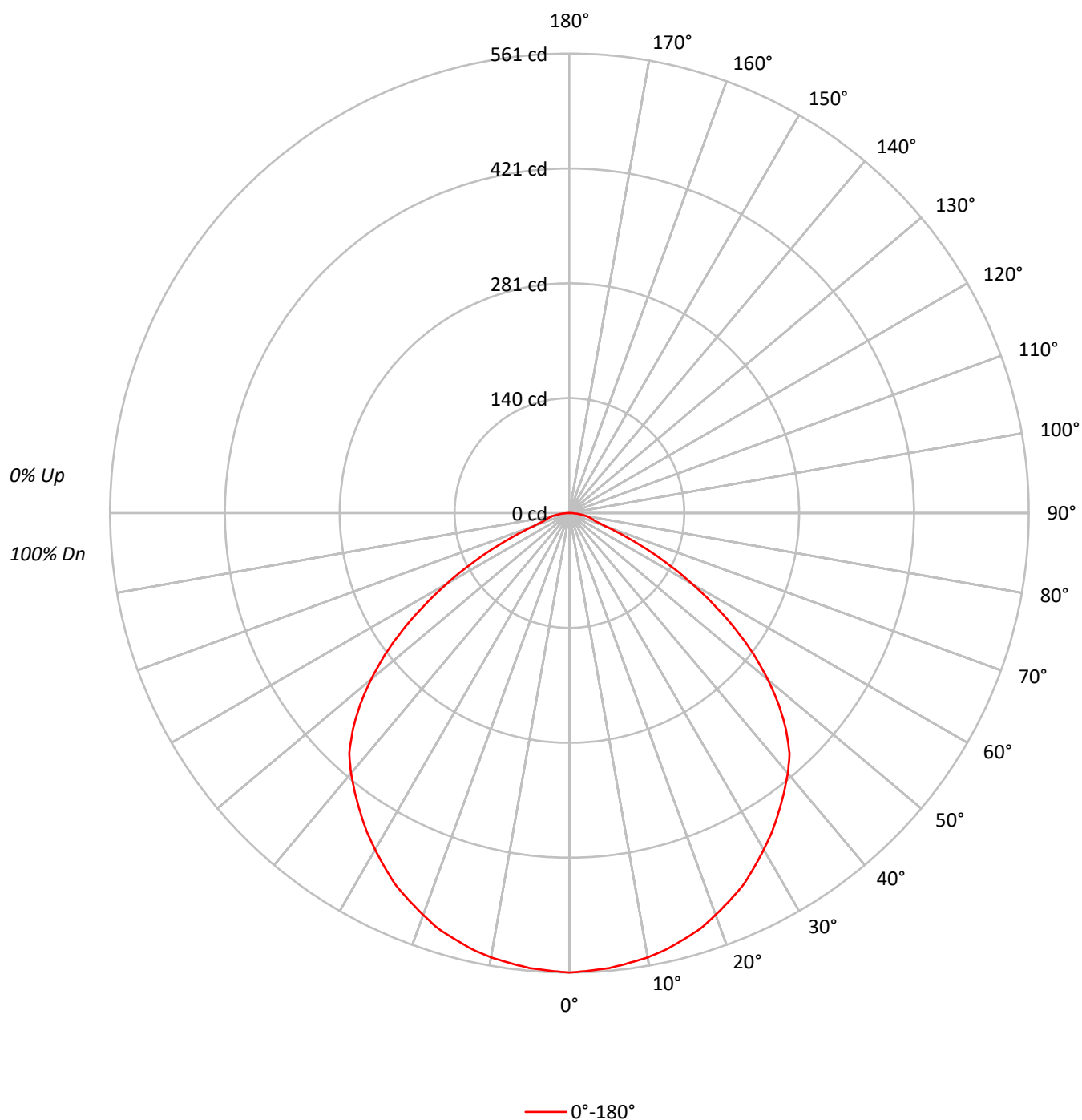
Lumens per Lamp: N/A
Luminaire Lumens: 1368.4 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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				
RW	70	50	30	10	70	50	30	10	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	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°	5650
5°	5637
10°	5633
15°	5619
20°	5593
25°	5573
30°	5516
35°	5476
40°	5454
45°	5327
50°	4955
55°	4359
60°	3492
65°	2471
70°	1351
75°	1124
80°	1183
85°	1178

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5327 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	3.9
10°-20°	152.2	11.1
20°-30°	230.7	16.9
30°-40°	279.0	20.4
40°-50°	286.4	20.9
50°-60°	220.4	16.1
60°-70°	104.0	7.6
70°-80°	32.1	2.3
80°-90°	10.6	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°	435.9	31.9
0°-40°	714.9	52.2
0°-60°	1221.7	89.3
0°-90°	1368.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1368.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	561	
5°	558	53
15°	539	152
25°	502	231
35°	446	279
45°	374	286
55°	248	220
65°	104	104
75°	29	32
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	561.1
2.5°	559.4
5°	557.7
7.5°	554.3
10°	550.9
12.5°	545.8
15°	539.0
17.5°	532.2
20°	522.0
22.5°	511.8
25°	501.6
27.5°	488.0
30°	474.4
32.5°	460.8
35°	445.5
37.5°	430.2
40°	414.9
42.5°	397.9
45°	374.1
47.5°	346.9
50°	316.3
52.5°	284.0
55°	248.3
57.5°	210.8
60°	173.4
62.5°	137.7
65°	103.7
67.5°	71.4
70°	45.9
72.5°	34.0
75°	28.9
77.5°	25.5
80°	20.4
82.5°	15.3
85°	10.2
87.5°	3.4
90°	0.0

(END OF REPORT)