

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: P1504049

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-22)
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-OC (3500K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

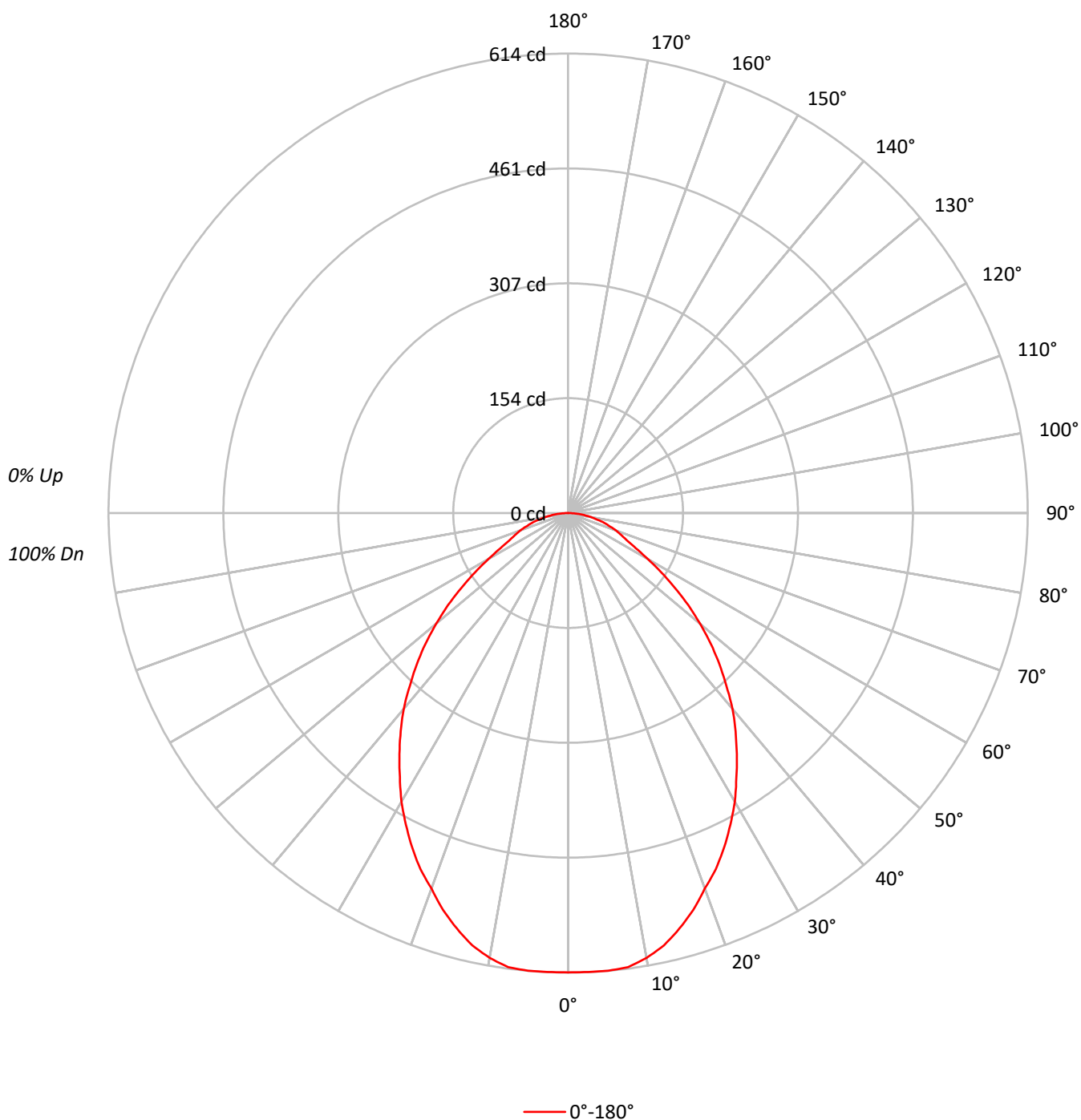
Lumens per Lamp: N/A
Luminaire Lumens: 1224.2 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87		
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75		
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65		
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57		
5	80	69	60	54	78	67	60	54	65	59	53	64	58	53	62	57	52	50		
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40		
8	65	52	45	39	64	52	44	39	50	44	39	49	43	39	48	43	38	37		
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33		
10	57	45	38	33	56	44	37	32	43	37	32	43	37	32	42	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6180
5°	6204
10°	6171
15°	5991
20°	5721
25°	5478
30°	5180
35°	4828
40°	4493
45°	4068
50°	3597
55°	3044
60°	2465
65°	2066
70°	2002
75°	1918
80°	1774
85°	1571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4068 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	4.8
10°-20°	161.4	13.2
20°-30°	226.4	18.5
30°-40°	245.6	20.1
40°-50°	220.1	18.0
50°-60°	156.0	12.7
60°-70°	89.1	7.3
70°-80°	51.6	4.2
80°-90°	15.7	1.3
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°	446.1	36.4
0°-40°	691.7	56.5
0°-60°	1067.8	87.2
0°-90°	1224.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1224.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	614	
5°	614	58
15°	575	161
25°	493	226
35°	393	246
45°	286	220
55°	173	156
65°	87	89
75°	49	52
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	613.8
2.5°	613.8
5°	613.8
7.5°	612.1
10°	603.6
12.5°	591.7
15°	574.7
17.5°	556.0
20°	533.9
22.5°	515.2
25°	493.1
27.5°	469.3
30°	445.5
32.5°	418.3
35°	392.8
37.5°	367.3
40°	341.8
42.5°	312.9
45°	285.7
47.5°	258.5
50°	229.6
52.5°	202.3
55°	173.4
57.5°	147.9
60°	122.4
62.5°	102.0
65°	86.7
67.5°	76.5
70°	68.0
72.5°	57.8
75°	49.3
77.5°	39.1
80°	30.6
82.5°	22.1
85°	13.6
87.5°	6.8
90°	0.0

(END OF REPORT)