

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: P1504055

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OC (5000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504055
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 (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

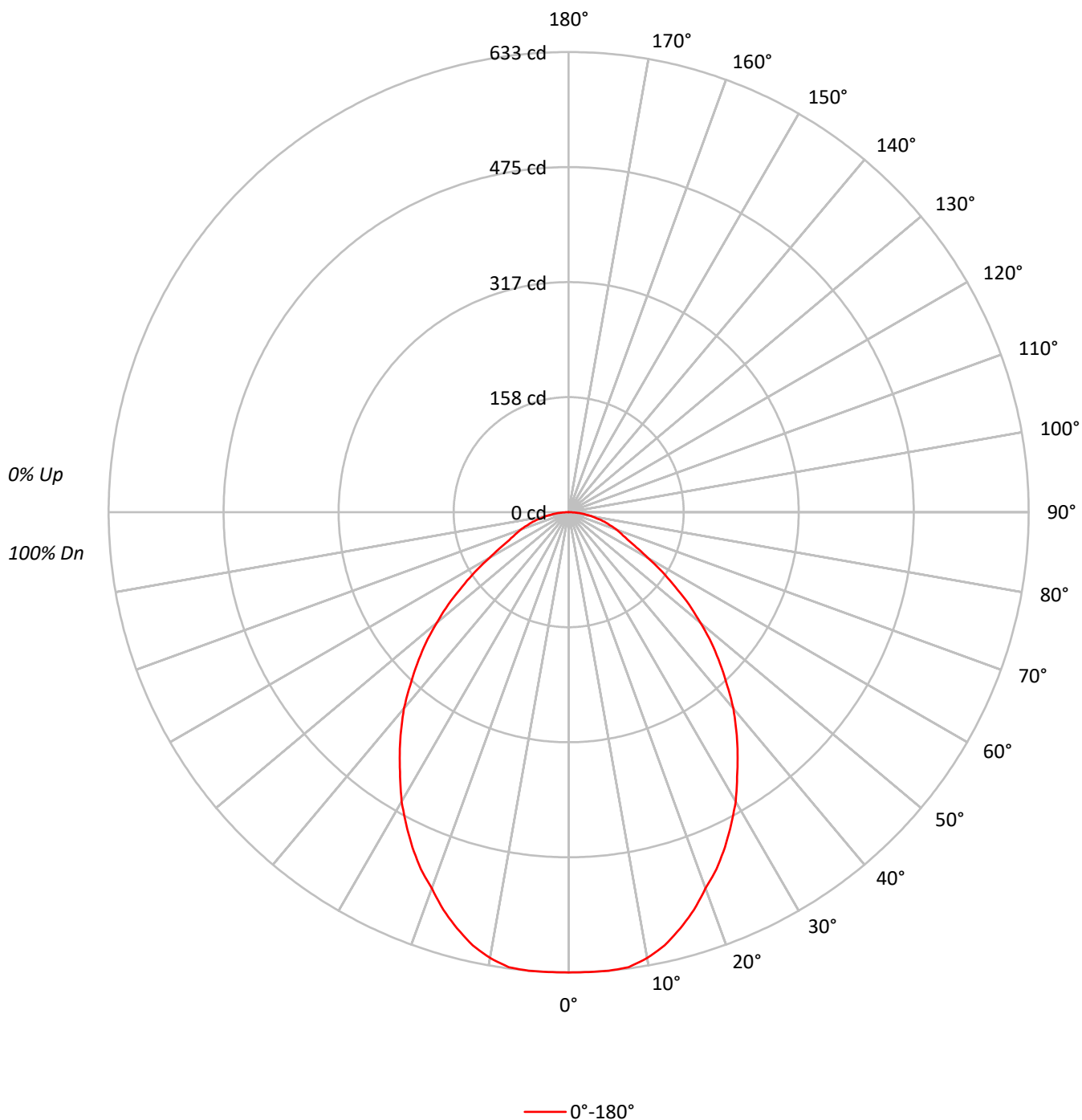
Lumens per Lamp: N/A
Luminaire Lumens: 1262.8 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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

TEST NUMBER: P1504055

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OC (5000K-1200LM)

Luminous Intensity Polar Plot



CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OC (5000K-1200LM)

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°	6376
5°	6400
10°	6367
15°	6179
20°	5901
25°	5651
30°	5342
35°	4981
40°	4633
45°	4196
50°	3709
55°	3141
60°	2543
65°	2132
70°	2067
75°	1980
80°	1832
85°	1617

MAXIMUM LUMINANCE 45°-90°:

Luminance: 4196 cd/sqm

TEST NUMBER: P1504055

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OC (5000K-1200LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	4.8
10°-20°	166.4	13.2
20°-30°	233.6	18.5
30°-40°	253.4	20.1
40°-50°	227.0	18.0
50°-60°	160.9	12.7
60°-70°	91.9	7.3
70°-80°	53.2	4.2
80°-90°	16.2	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°	460.2	36.4
0°-40°	713.5	56.5
0°-60°	1101.4	87.2
0°-90°	1262.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	633	
5°	633	60
15°	593	166
25°	509	234
35°	405	253
45°	295	227
55°	179	161
65°	90	92
75°	51	53
85°	14	16
90°	0	

TEST NUMBER: P1504055

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OC (5000K-1200LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	633.2
2.5°	633.2
5°	633.2
7.5°	631.4
10°	622.7
12.5°	610.4
15°	592.8
17.5°	573.5
20°	550.7
22.5°	531.4
25°	508.6
27.5°	484.1
30°	459.5
32.5°	431.5
35°	405.2
37.5°	378.9
40°	352.5
42.5°	322.7
45°	294.7
47.5°	266.6
50°	236.8
52.5°	208.7
55°	178.9
57.5°	152.6
60°	126.3
62.5°	105.2
65°	89.5
67.5°	78.9
70°	70.2
72.5°	59.6
75°	50.9
77.5°	40.3
80°	31.6
82.5°	22.8
85°	14.0
87.5°	7.0
90°	0.0

(END OF REPORT)