

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: P1504178

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (2700K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504178
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-D2W-XXXX-WHTE-XX-OC (2700K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

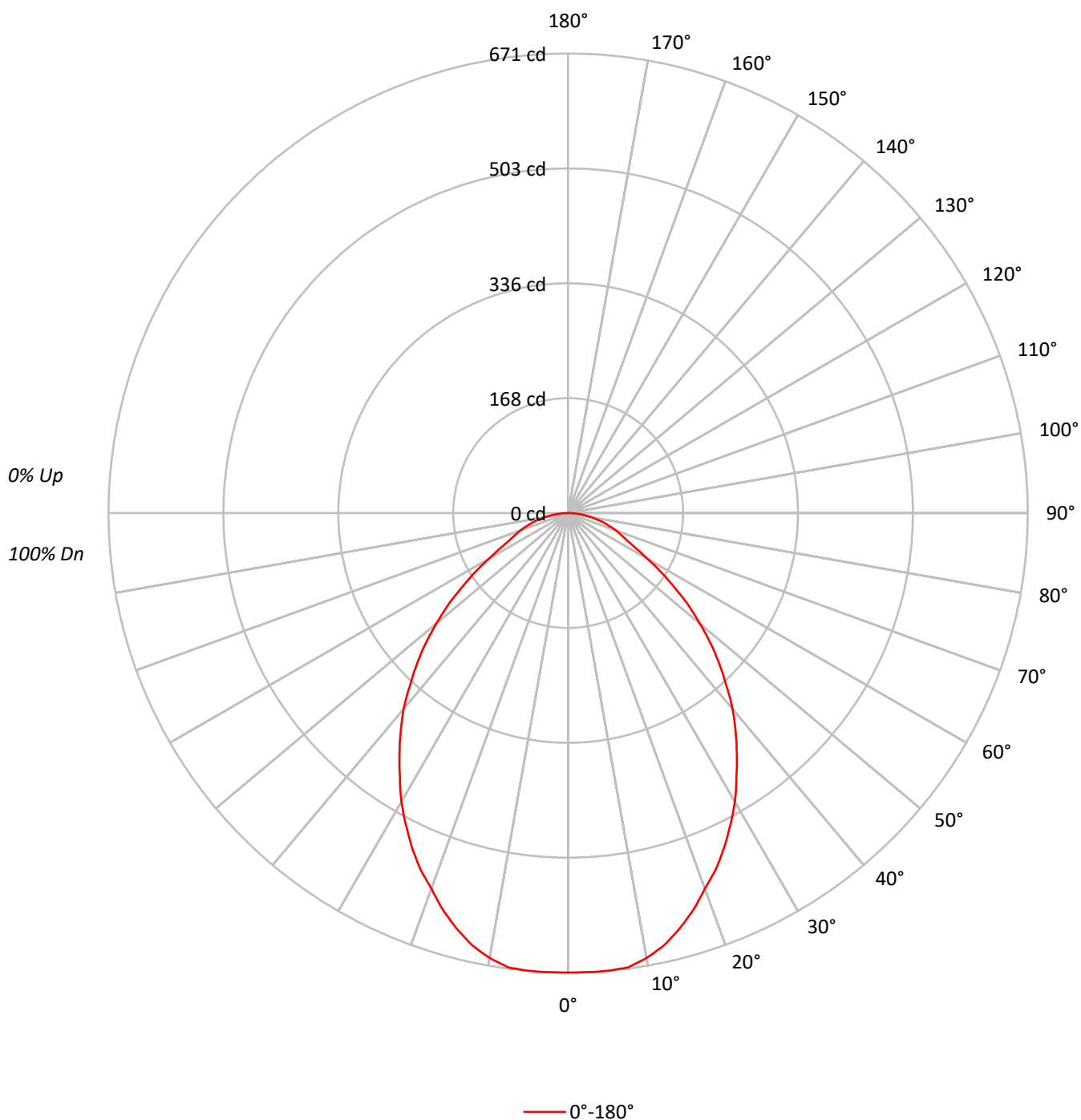
Lumens per Lamp: N/A
Luminaire Lumens: 1338.2 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.9
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: P1504178

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (2700K-1200LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1504178

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (2700K-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°	6756
5°	6782
10°	6746
15°	6548
20°	6253
25°	5988
30°	5662
35°	5277
40°	4911
45°	4447
50°	3930
55°	3328
60°	2694
65°	2259
70°	2187
75°	2097
80°	1943
85°	1721

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4447 cd/sqm

TEST NUMBER: P1504178

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (2700K-1200LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	4.8
10°-20°	176.4	13.2
20°-30°	247.5	18.5
30°-40°	268.5	20.1
40°-50°	240.5	18.0
50°-60°	170.5	12.7
60°-70°	97.4	7.3
70°-80°	56.4	4.2
80°-90°	17.2	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°	487.6	36.4
0°-40°	756.1	56.5
0°-60°	1167.2	87.2
0°-90°	1338.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1338.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	671	
5°	671	64
15°	628	176
25°	539	248
35°	429	268
45°	312	241
55°	190	171
65°	95	97
75°	54	56
85°	15	17
90°	0	

TEST NUMBER: P1504178

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (2700K-1200LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	671.0
2.5°	671.0
5°	671.0
7.5°	669.1
10°	659.8
12.5°	646.8
15°	628.2
17.5°	607.8
20°	583.6
22.5°	563.2
25°	539.0
27.5°	513.0
30°	487.0
32.5°	457.2
35°	429.3
37.5°	401.5
40°	373.6
42.5°	342.0
45°	312.3
47.5°	282.5
50°	250.9
52.5°	221.2
55°	189.6
57.5°	161.7
60°	133.8
62.5°	111.5
65°	94.8
67.5°	83.6
70°	74.3
72.5°	63.2
75°	53.9
77.5°	42.7
80°	33.5
82.5°	24.2
85°	14.9
87.5°	7.4
90°	0.0

(END OF REPORT)