

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: P1504187

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (4000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504187
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 (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

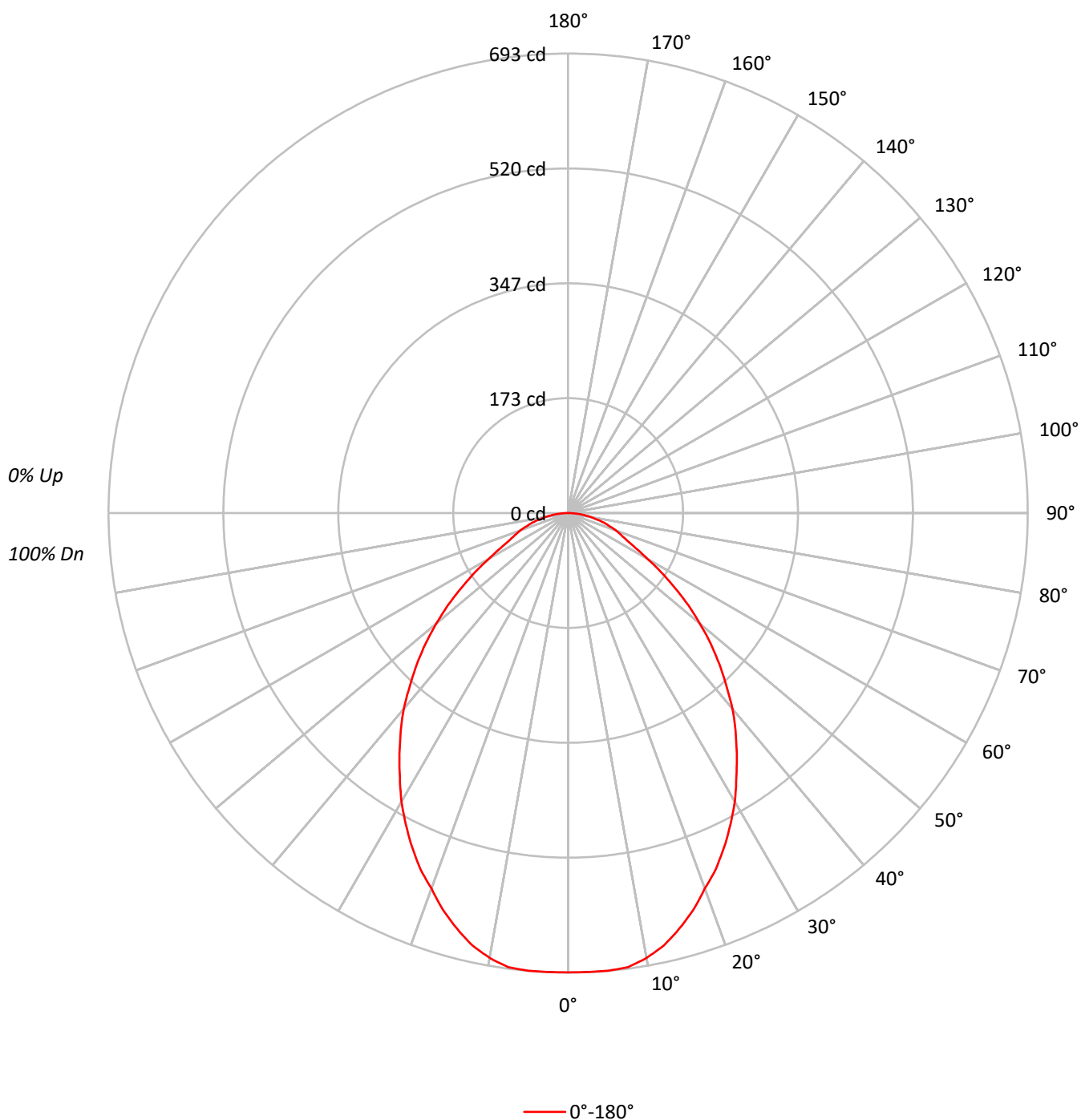
Lumens per Lamp: N/A
Luminaire Lumens: 1381.7 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P1504187

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (4000K-1200LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1504187

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (4000K-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°	6976
5°	7002
10°	6966
15°	6762
20°	6457
25°	6183
30°	5846
35°	5449
40°	5070
45°	4591
50°	4059
55°	3435
60°	2783
65°	2332
70°	2261
75°	2167
80°	2000
85°	1779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4591 cd/sqm

TEST NUMBER: P1504187

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (4000K-1200LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	4.8
10°-20°	182.1	13.2
20°-30°	255.6	18.5
30°-40°	277.2	20.1
40°-50°	248.4	18.0
50°-60°	176.1	12.7
60°-70°	100.6	7.3
70°-80°	58.2	4.2
80°-90°	17.8	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°	503.5	36.4
0°-40°	780.7	56.5
0°-60°	1205.2	87.2
0°-90°	1381.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1381.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	693	
5°	693	66
15°	649	182
25°	556	256
35°	443	277
45°	322	248
55°	196	176
65°	98	101
75°	56	58
85°	15	18
90°	0	

TEST NUMBER: P1504187

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (4000K-1200LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	692.8
2.5°	692.8
5°	692.8
7.5°	690.9
10°	681.3
12.5°	667.8
15°	648.7
17.5°	627.5
20°	602.6
22.5°	581.5
25°	556.5
27.5°	529.7
30°	502.8
32.5°	472.1
35°	443.3
37.5°	414.5
40°	385.7
42.5°	353.1
45°	322.4
47.5°	291.7
50°	259.1
52.5°	228.4
55°	195.7
57.5°	167.0
60°	138.2
62.5°	115.1
65°	97.9
67.5°	86.4
70°	76.8
72.5°	65.2
75°	55.7
77.5°	44.1
80°	34.5
82.5°	24.9
85°	15.4
87.5°	7.7
90°	0.0

(END OF REPORT)