

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: P1504040

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504040
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 (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

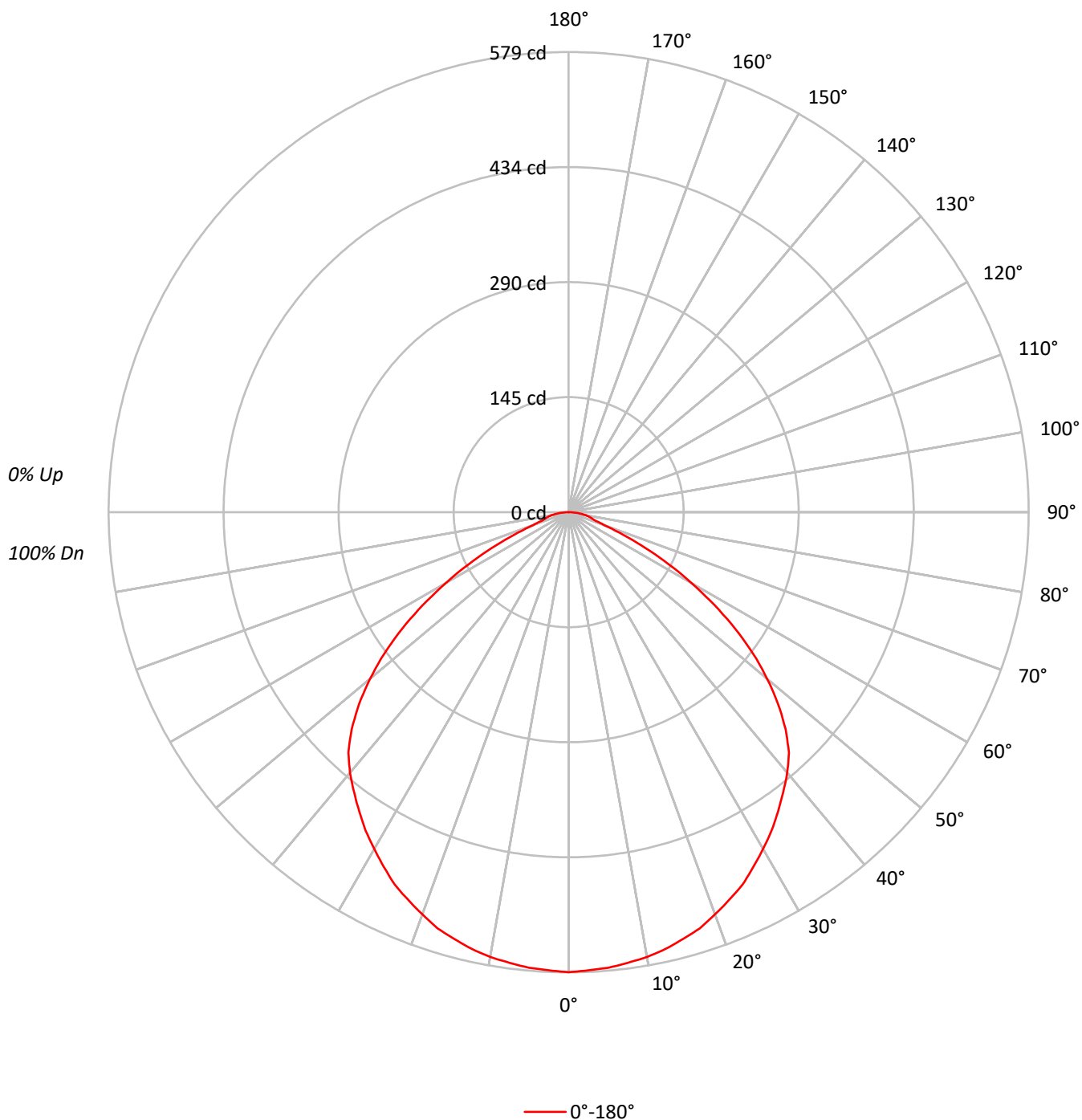
Lumens per Lamp: N/A
Luminaire Lumens: 1411.5 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1504040

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

Luminous Intensity Polar Plot





TEST NUMBER: P1504040

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	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°	5828
5°	5815
10°	5810
15°	5796
20°	5770
25°	5748
30°	5690
35°	5648
40°	5626
45°	5495
50°	5110
55°	4496
60°	3603
65°	2549
70°	1395
75°	1159
80°	1218
85°	1213

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5495 cd/sqm

TEST NUMBER: P1504040

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	3.9
10°-20°	157.0	11.1
20°-30°	238.0	16.9
30°-40°	287.8	20.4
40°-50°	295.4	20.9
50°-60°	227.3	16.1
60°-70°	107.3	7.6
70°-80°	33.1	2.3
80°-90°	11.0	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°	449.7	31.9
0°-40°	737.5	52.2
0°-60°	1260.1	89.3
0°-90°	1411.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1411.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	579	
5°	575	55
15°	556	157
25°	517	238
35°	460	288
45°	386	295
55°	256	227
65°	107	107
75°	30	33
85°	10	11
90°	0	

TEST NUMBER: P1504040

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	578.8
2.5°	577.0
5°	575.3
7.5°	571.8
10°	568.3
12.5°	563.0
15°	556.0
17.5°	549.0
20°	538.5
22.5°	527.9
25°	517.4
27.5°	503.4
30°	489.4
32.5°	475.3
35°	459.5
37.5°	443.7
40°	428.0
42.5°	410.4
45°	385.9
47.5°	357.8
50°	326.2
52.5°	292.9
55°	256.1
57.5°	217.5
60°	178.9
62.5°	142.1
65°	107.0
67.5°	73.7
70°	47.4
72.5°	35.1
75°	29.8
77.5°	26.3
80°	21.0
82.5°	15.8
85°	10.5
87.5°	3.5
90°	0.0

(END OF REPORT)