

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: P1504036

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (3500K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504036
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 (3500K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

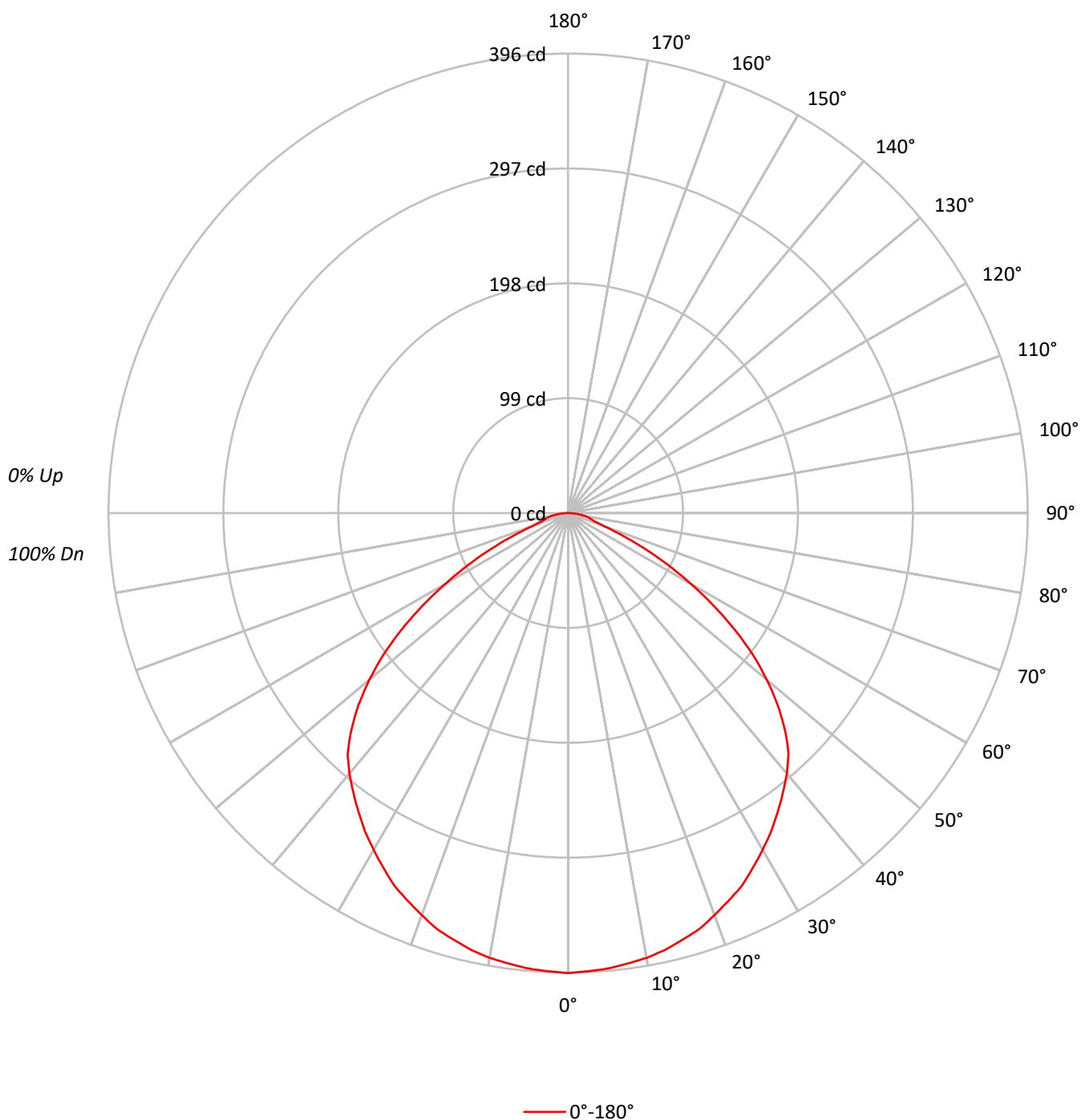
Lumens per Lamp: N/A
Luminaire Lumens: 966.6 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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: P1504036

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (3500K-900LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1504036

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (3500K-900LM)

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	41	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°	3991
5°	3982
10°	3979
15°	3968
20°	3951
25°	3936
30°	3896
35°	3868
40°	3853
45°	3762
50°	3499
55°	3079
60°	2467
65°	1746
70°	954
75°	794
80°	835
85°	832

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3762 cd/sqm

TEST NUMBER: P1504036

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (3500K-900LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	3.9
10°-20°	107.5	11.1
20°-30°	163.0	16.9
30°-40°	197.1	20.4
40°-50°	202.3	20.9
50°-60°	155.6	16.1
60°-70°	73.5	7.6
70°-80°	22.6	2.3
80°-90°	7.5	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°	307.9	31.9
0°-40°	505.0	52.2
0°-60°	862.9	89.3
0°-90°	966.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	396	
5°	394	37
15°	381	108
25°	354	163
35°	315	197
45°	264	202
55°	175	156
65°	73	73
75°	20	23
85°	7	8
90°	0	

TEST NUMBER: P1504036

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (3500K-900LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	396.4
2.5°	395.2
5°	394.0
7.5°	391.6
10°	389.2
12.5°	385.6
15°	380.7
17.5°	375.9
20°	368.7
22.5°	361.5
25°	354.3
27.5°	344.7
30°	335.1
32.5°	325.5
35°	314.7
37.5°	303.9
40°	293.1
42.5°	281.1
45°	264.2
47.5°	245.0
50°	223.4
52.5°	200.6
55°	175.4
57.5°	148.9
60°	122.5
62.5°	97.3
65°	73.3
67.5°	50.4
70°	32.4
72.5°	24.0
75°	20.4
77.5°	18.0
80°	14.4
82.5°	10.8
85°	7.2
87.5°	2.4
90°	0.0

(END OF REPORT)