

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: P1503789

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

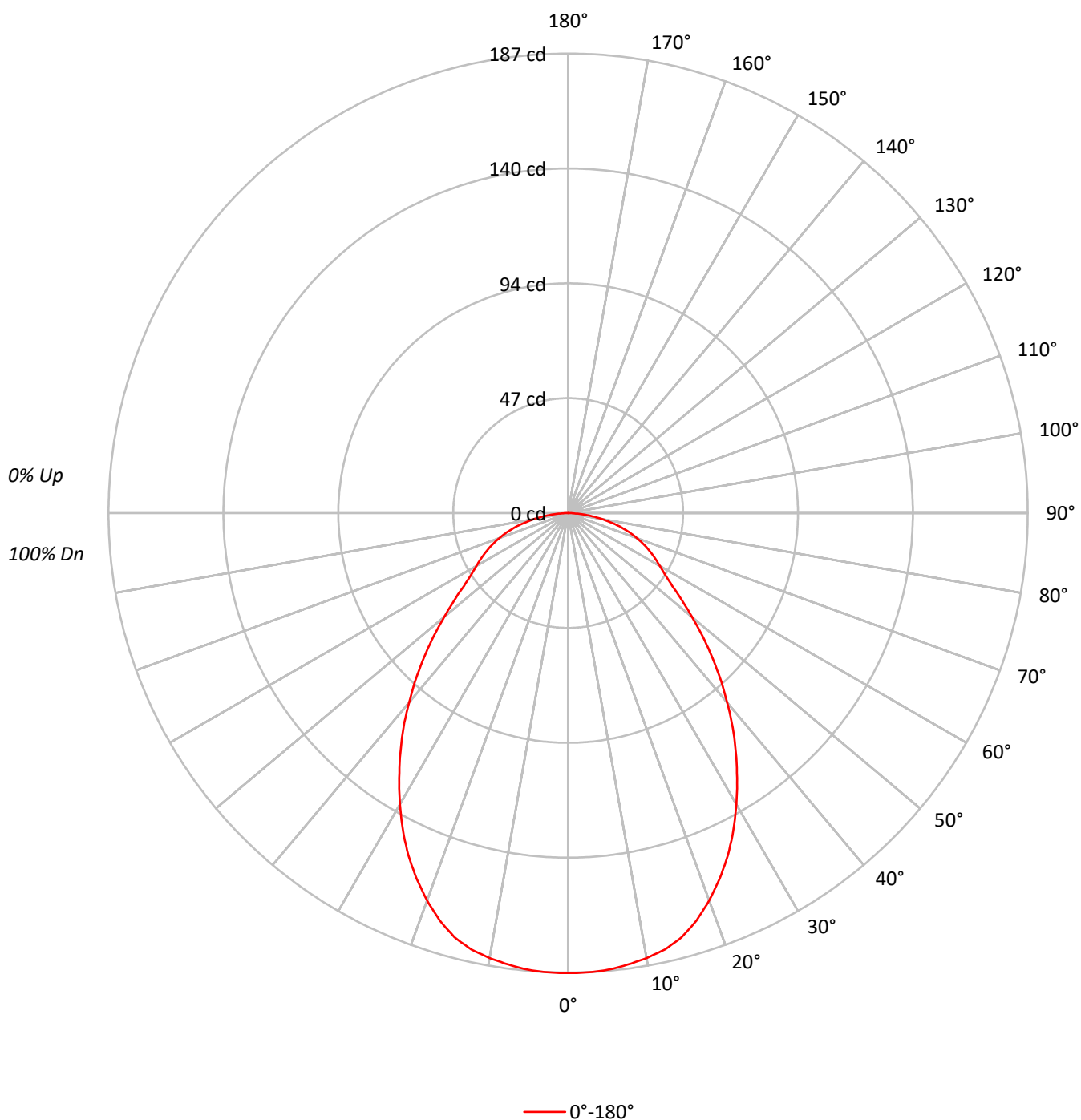
Lumens per Lamp: N/A
Luminaire Lumens: 390.2 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.6
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: P1503789

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-650LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503789

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-650LM)

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	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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	101	93	87	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73								
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63								
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55								
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	50	48								
6	73	61	53	46	72	60	52	46	58	51	46	57	50	46	55	49	45	43								
7	68	56	47	42	67	55	47	42	53	46	41	52	46	41	51	45	41	39								
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35								
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32								
10	57	44	36	31	55	43	36	31	42	36	31	42	35	31	41	35	31	29								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5776
5°	5776
10°	5758
15°	5705
20°	5506
25°	5230
30°	4875
35°	4480
40°	4050
45°	3606
50°	3152
55°	2779
60°	2658
65°	2678
70°	2687
75°	2657
80°	2504
85°	2158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3606 cd/sqm

TEST NUMBER: P1503789

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-650LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	4.5
10°-20°	50.1	12.8
20°-30°	70.5	18.1
30°-40°	74.3	19.0
40°-50°	63.8	16.4
50°-60°	47.2	12.1
60°-70°	36.2	9.3
70°-80°	23.4	6.0
80°-90°	7.0	1.8
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°	138.3	35.4
0°-40°	212.6	54.5
0°-60°	323.6	82.9
0°-90°	390.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	187	
5°	187	18
15°	179	50
25°	154	70
35°	119	74
45°	83	64
55°	52	47
65°	37	36
75°	22	23
85°	6	7
90°	0	

TEST NUMBER: P1503789

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-650LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	187.3
2.5°	187.1
5°	186.6
7.5°	185.4
10°	183.9
12.5°	181.9
15°	178.7
17.5°	173.8
20°	167.8
22.5°	161.1
25°	153.7
27.5°	145.6
30°	136.9
32.5°	127.9
35°	119.0
37.5°	110.1
40°	100.6
42.5°	91.7
45°	82.7
47.5°	74.1
50°	65.7
52.5°	58.4
55°	51.7
57.5°	46.7
60°	43.1
62.5°	39.8
65°	36.7
67.5°	33.3
70°	29.8
72.5°	26.2
75°	22.3
77.5°	18.2
80°	14.1
82.5°	10.1
85°	6.1
87.5°	2.4
90°	0.0

(END OF REPORT)