

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: P1503774

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-13)
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-OC (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

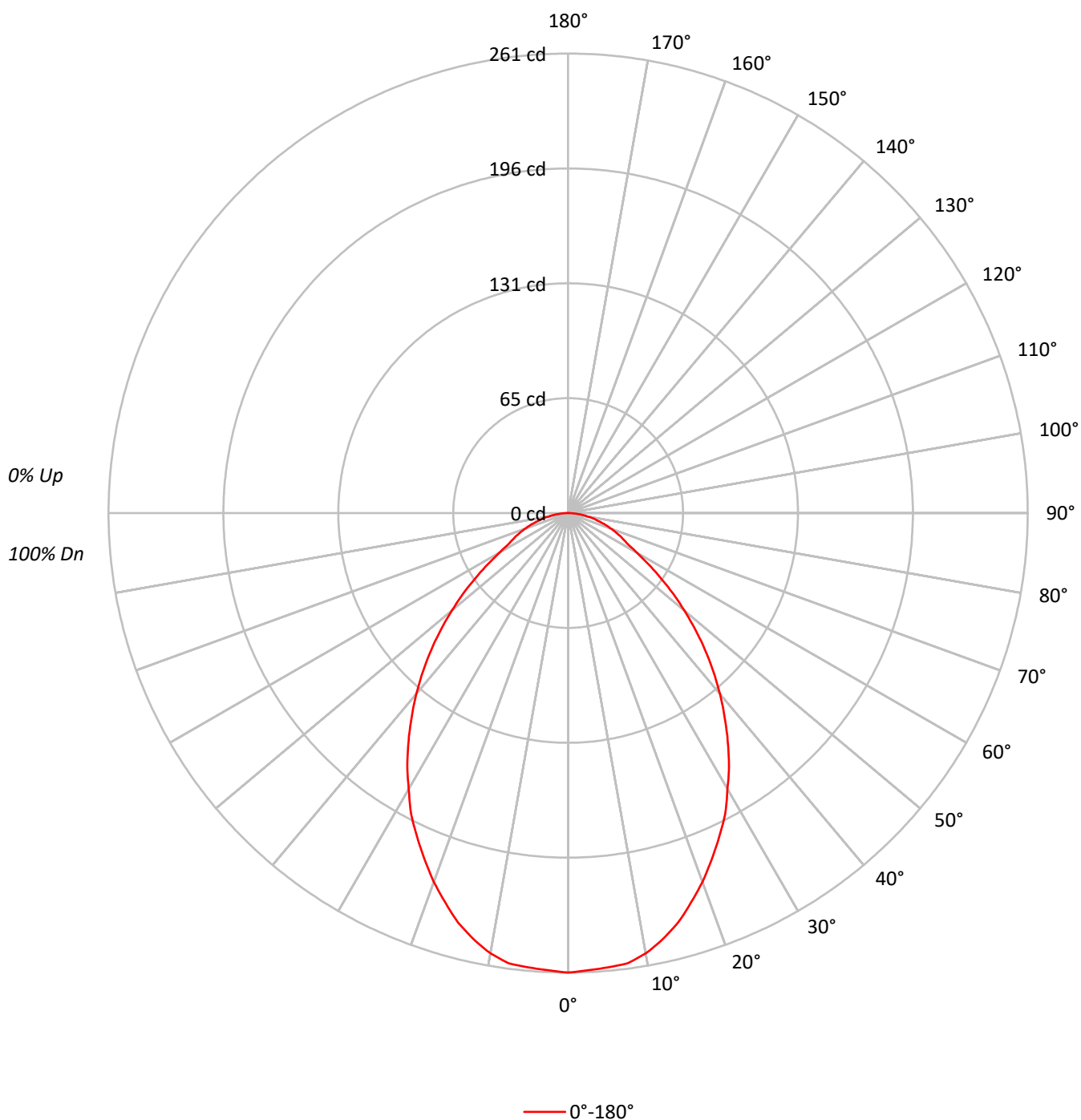
Lumens per Lamp: N/A
Luminaire Lumens: 485.3 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P1503774

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

Luminous Intensity Polar Plot





TEST NUMBER: P1503774

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (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	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	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			
3	94	85	78	72	92	83	77	71	81	75	70	78	73	69	75	71	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8048
5°	8017
10°	7953
15°	7694
20°	7318
25°	6907
30°	6445
35°	5948
40°	5394
45°	4797
50°	4126
55°	3441
60°	2775
65°	2481
70°	2344
75°	2145
80°	1953
85°	1769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4797 cd/sqm

TEST NUMBER: P1503774

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	5.1
10°-20°	67.5	13.9
20°-30°	93.3	19.2
30°-40°	98.6	20.3
40°-50°	84.7	17.4
50°-60°	57.6	11.9
60°-70°	34.0	7.0
70°-80°	19.4	4.0
80°-90°	5.6	1.1
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°	185.4	38.2
0°-40°	284.0	58.5
0°-60°	426.3	87.8
0°-90°	485.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	485.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	261	
5°	259	25
15°	241	68
25°	203	93
35°	158	99
45°	110	85
55°	64	58
65°	34	34
75°	18	19
85°	5	6
90°	0	

TEST NUMBER: P1503774

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	261
2.5°	260
5°	259
7.5°	258
10°	254
12.5°	248
15°	241
17.5°	232
20°	223
22.5°	213
25°	203
27.5°	193
30°	181
32.5°	170
35°	158
37.5°	146
40°	134
42.5°	122
45°	110
47.5°	98
50°	86
52.5°	75
55°	64
57.5°	54
60°	45
62.5°	38
65°	34
67.5°	30
70°	26
72.5°	22
75°	18
77.5°	15
80°	11
82.5°	8
85°	5
87.5°	2
90°	0

(END OF REPORT)