

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: P1503761

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-ND (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-7)
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-ND (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

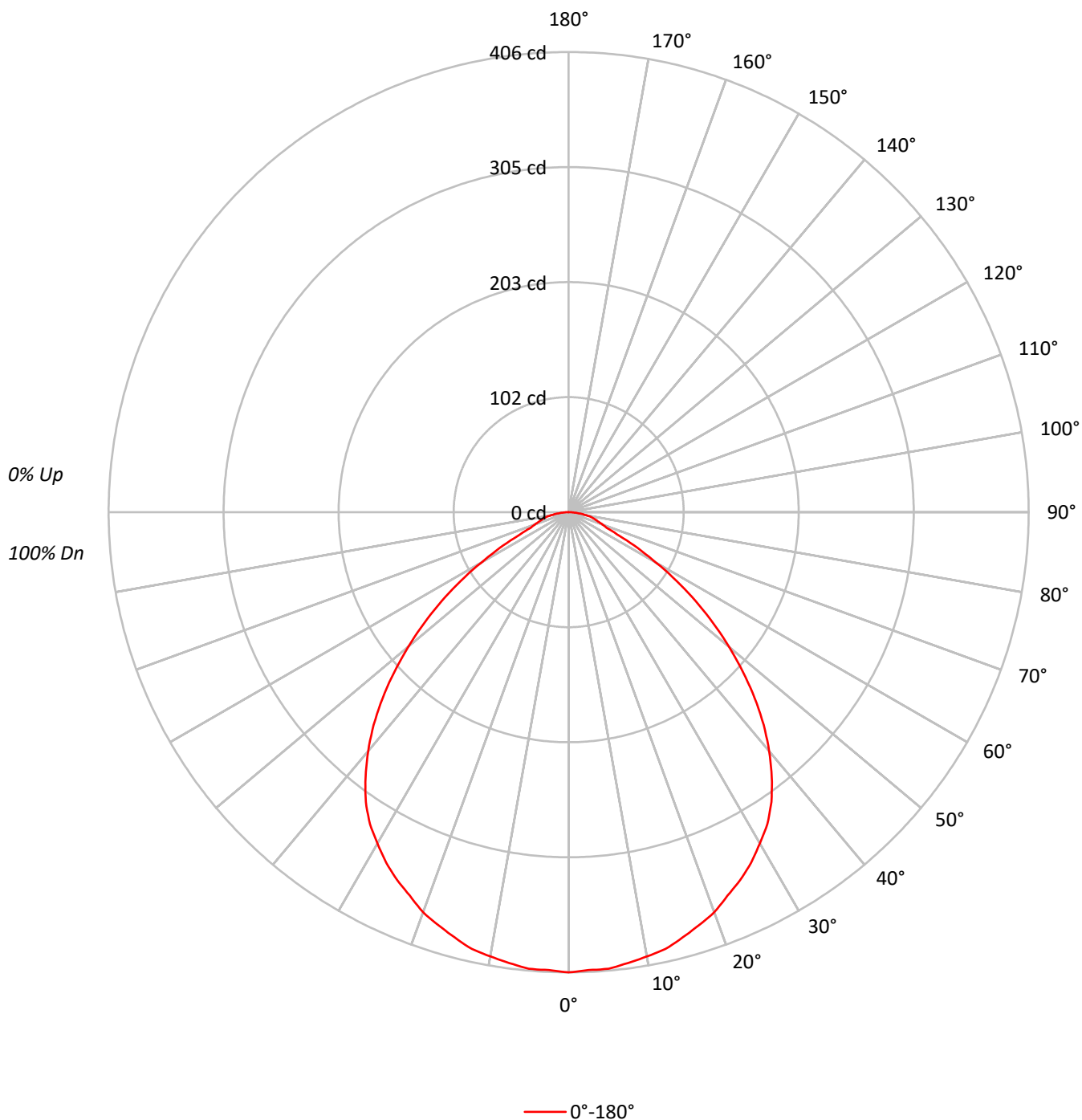
Lumens per Lamp: N/A
Luminaire Lumens: 893.1 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
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

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Luminous Intensity Polar Plot





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CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHITE-XX-ND (3000K-1000LM)

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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	76	71	68	66		
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	41		
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36		
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12520
5°	12518
10°	12462
15°	12403
20°	12329
25°	12187
30°	12017
35°	11749
40°	11086
45°	10135
50°	8861
55°	7360
60°	5501
65°	3604
70°	2867
75°	2848
80°	2824
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10135 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	4.3
10°-20°	109.7	12.3
20°-30°	164.9	18.5
30°-40°	193.9	21.7
40°-50°	178.3	20.0
50°-60°	122.0	13.7
60°-70°	53.0	5.9
70°-80°	25.2	2.8
80°-90°	7.8	0.9
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°	313.0	35.0
0°-40°	506.8	56.8
0°-60°	807.1	90.4
0°-90°	893.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	893.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	406	
5°	404	38
15°	388	110
25°	358	165
35°	312	194
45°	232	178
55°	137	122
65°	49	53
75°	24	25
85°	6	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	406.0
2.5°	404.4
5°	404.4
7.5°	401.2
10°	398.0
12.5°	394.8
15°	388.5
17.5°	382.1
20°	375.7
22.5°	366.2
25°	358.2
27.5°	348.7
30°	337.5
32.5°	326.4
35°	312.1
37.5°	294.5
40°	275.4
42.5°	254.7
45°	232.4
47.5°	208.6
50°	184.7
52.5°	160.8
55°	136.9
57.5°	113.0
60°	89.2
62.5°	68.5
65°	49.4
67.5°	36.6
70°	31.8
72.5°	27.1
75°	23.9
77.5°	20.7
80°	15.9
82.5°	11.1
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)