

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: P1503770

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-ND (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503770
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 (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

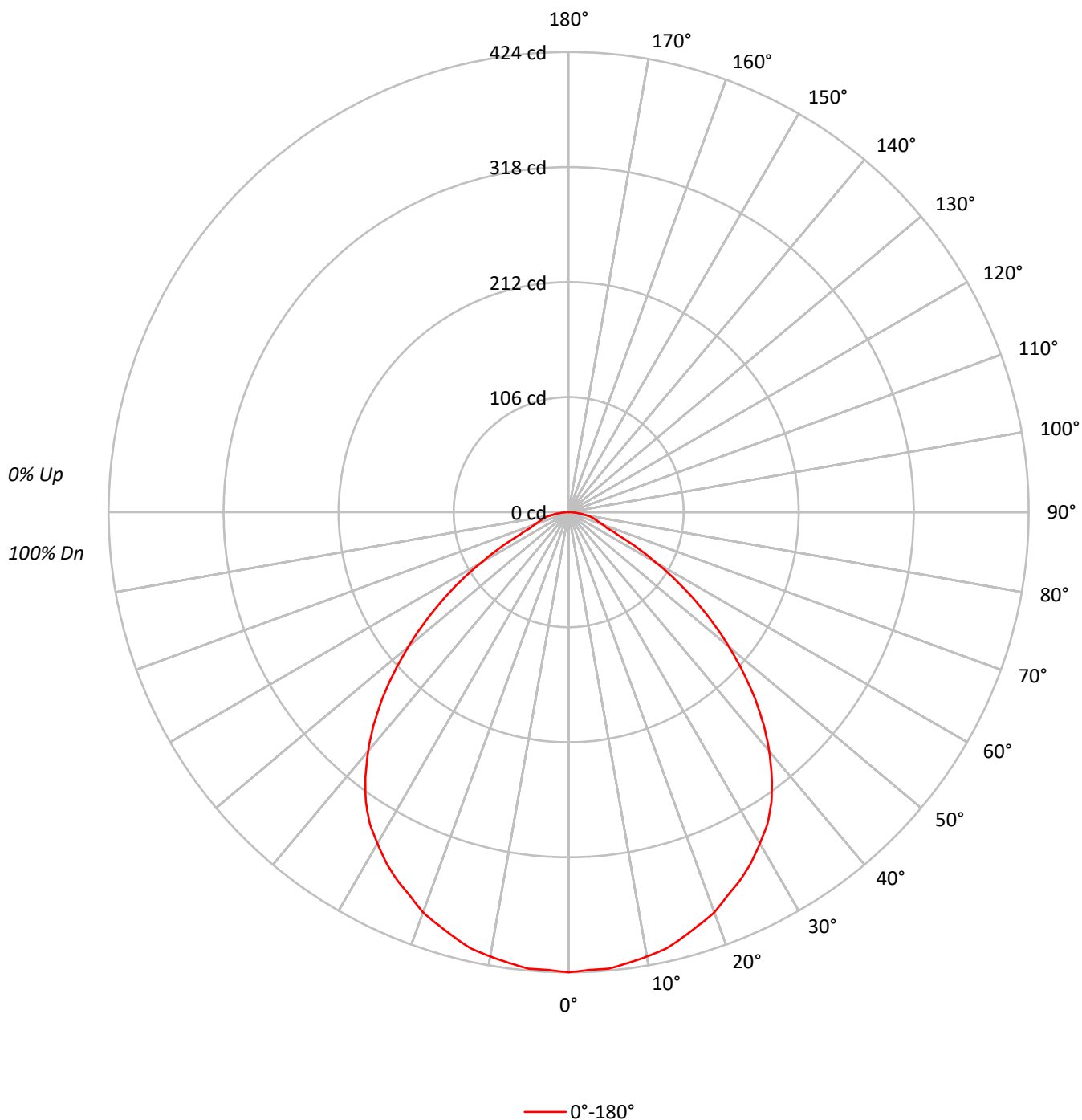
Lumens per Lamp: N/A
Luminaire Lumens: 932.7 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					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	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°	13075
5°	13072
10°	13016
15°	12952
20°	12877
25°	12728
30°	12551
35°	12268
40°	11577
45°	10588
50°	9254
55°	7688
60°	5742
65°	3758
70°	3002
75°	2967
80°	2948
85°	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10588 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	4.3
10°-20°	114.5	12.3
20°-30°	172.2	18.5
30°-40°	202.5	21.7
40°-50°	186.2	20.0
50°-60°	127.4	13.7
60°-70°	55.3	5.9
70°-80°	26.3	2.8
80°-90°	8.1	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°	326.8	35.0
0°-40°	529.3	56.8
0°-60°	842.9	90.4
0°-90°	932.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	424	
5°	422	40
15°	406	115
25°	374	172
35°	326	202
45°	243	186
55°	143	127
65°	52	55
75°	25	26
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	424.0
2.5°	422.3
5°	422.3
7.5°	419.0
10°	415.7
12.5°	412.3
15°	405.7
17.5°	399.0
20°	392.4
22.5°	382.4
25°	374.1
27.5°	364.1
30°	352.5
32.5°	340.9
35°	325.9
37.5°	307.6
40°	287.6
42.5°	266.0
45°	242.8
47.5°	217.8
50°	192.9
52.5°	167.9
55°	143.0
57.5°	118.1
60°	93.1
62.5°	71.5
65°	51.5
67.5°	38.2
70°	33.3
72.5°	28.3
75°	24.9
77.5°	21.6
80°	16.6
82.5°	11.6
85°	6.7
87.5°	3.3
90°	0.0

(END OF REPORT)