

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: P1503893

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503893
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-D2W-XXXX-WHTE-XX-ND (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

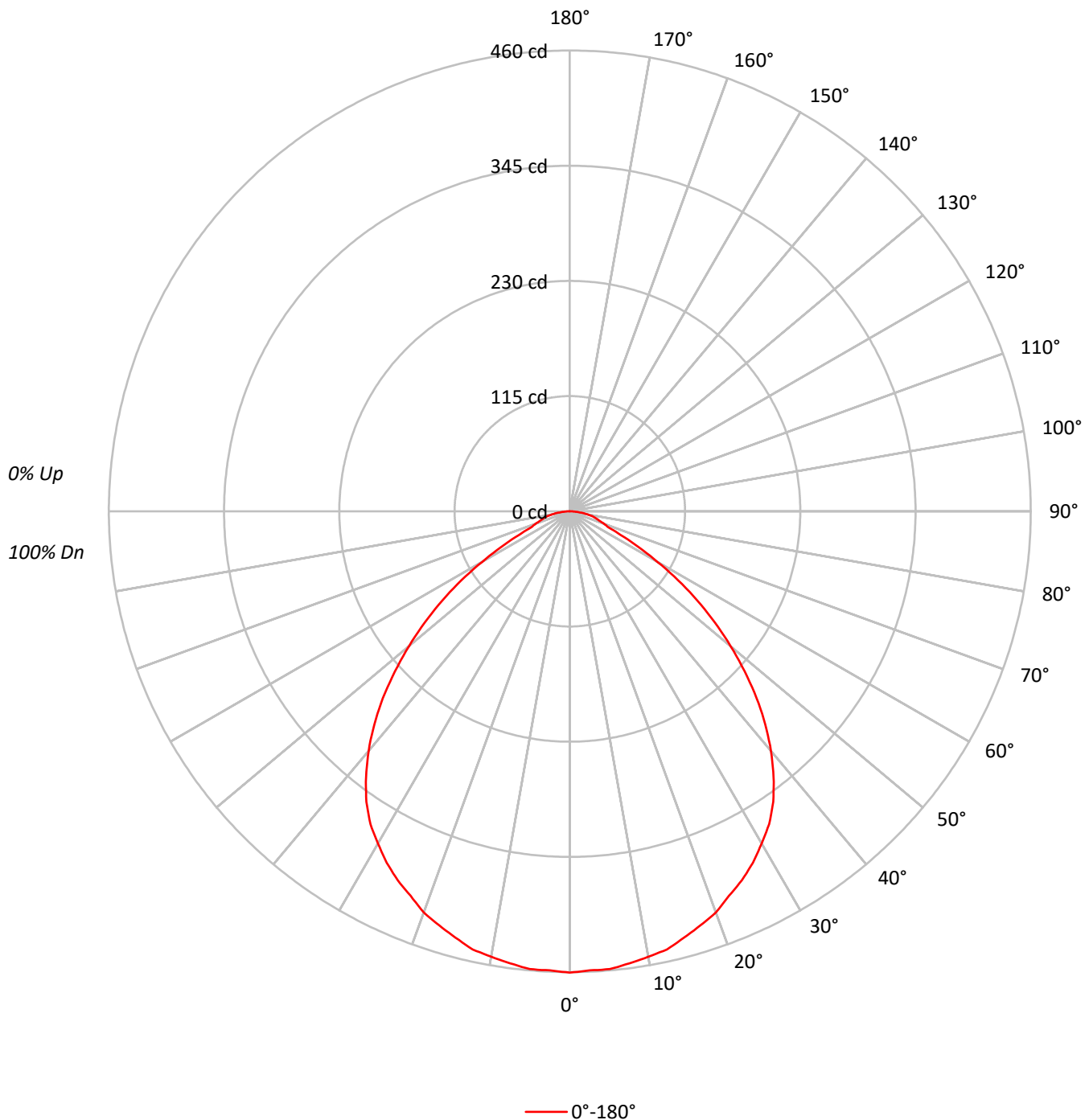
Lumens per Lamp: N/A
Luminaire Lumens: 1013.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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

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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				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	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°	14200
5°	14199
10°	14137
15°	14066
20°	13986
25°	13824
30°	13630
35°	13326
40°	12575
45°	11500
50°	10050
55°	8349
60°	6235
65°	4086
70°	3255
75°	3229
80°	3214
85°	2547

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	4.3
10°-20°	124.4	12.3
20°-30°	187.1	18.5
30°-40°	219.9	21.7
40°-50°	202.2	20.0
50°-60°	138.4	13.7
60°-70°	60.1	5.9
70°-80°	28.6	2.8
80°-90°	8.8	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°	355.0	35.0
0°-40°	574.9	56.8
0°-60°	915.5	90.4
0°-90°	1013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1013.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	460	
5°	459	44
15°	441	124
25°	406	187
35°	354	220
45°	264	202
55°	155	138
65°	56	60
75°	27	29
85°	7	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	460.5
2.5°	458.7
5°	458.7
7.5°	455.1
10°	451.5
12.5°	447.9
15°	440.6
17.5°	433.4
20°	426.2
22.5°	415.4
25°	406.3
27.5°	395.5
30°	382.8
32.5°	370.2
35°	354.0
37.5°	334.1
40°	312.4
42.5°	288.9
45°	263.7
47.5°	236.6
50°	209.5
52.5°	182.4
55°	155.3
57.5°	128.2
60°	101.1
62.5°	77.7
65°	56.0
67.5°	41.5
70°	36.1
72.5°	30.7
75°	27.1
77.5°	23.5
80°	18.1
82.5°	12.6
85°	7.2
87.5°	3.6
90°	0.0

(END OF REPORT)