

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: P1503653

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-WHTE-XX (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-02-LS-FS-D2W-XXXX-WHITE-XX (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, 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

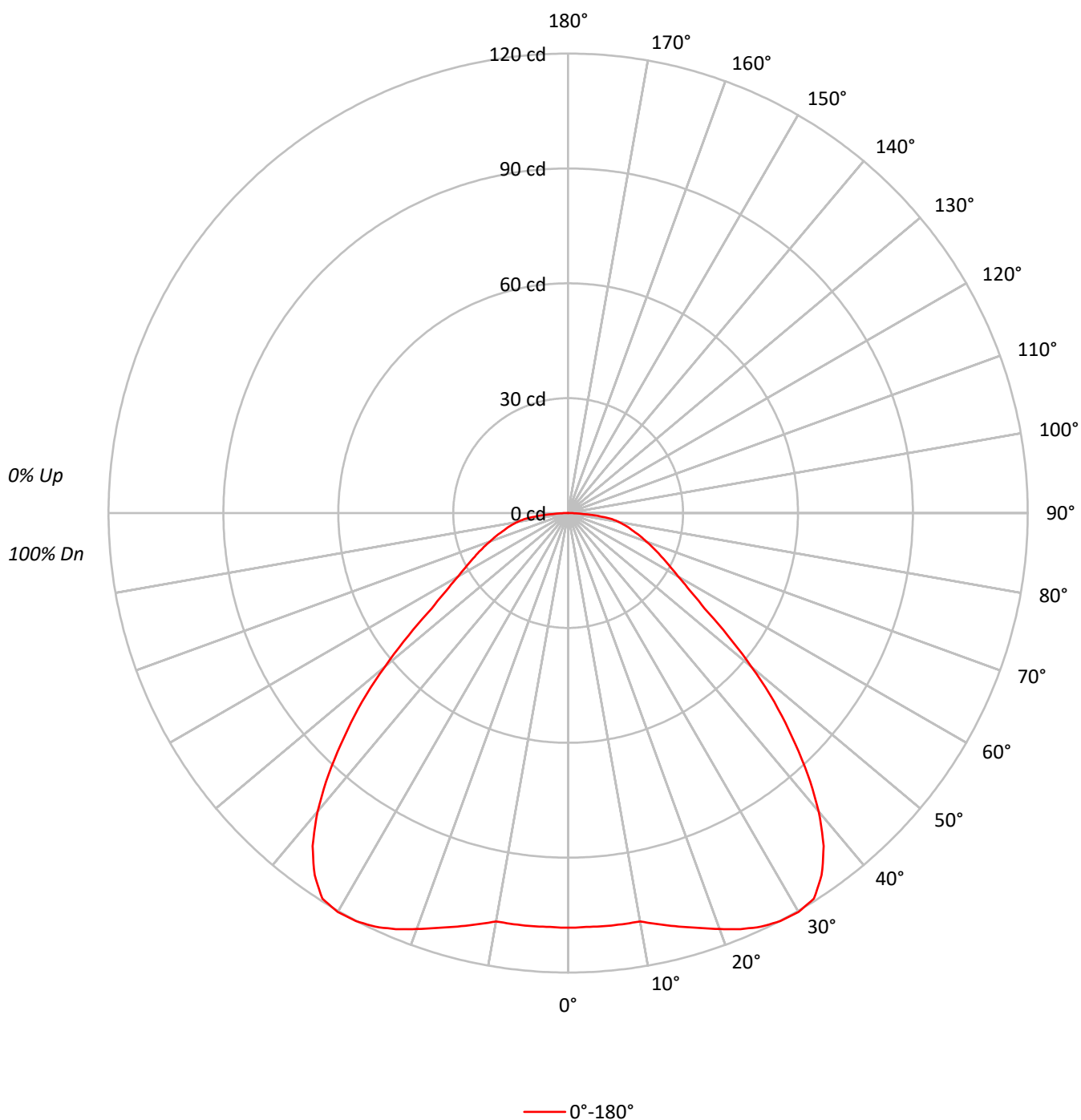
Lumens per Lamp: N/A
Luminaire Lumens: 325.1 lumens
Efficiency: N/A
Efficacy: 28.3 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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					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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	44	53	48	43	41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	37			
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35	33			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3340
5°	3352
10°	3391
15°	3569
20°	3793
25°	4056
30°	4283
35°	4344
40°	4098
45°	3606
50°	2998
55°	2339
60°	2048
65°	1963
70°	1956
75°	2061
80°	2397
85°	2477

MAXIMUM LUMINANCE 45°-90°:

Luminance: 3606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	3.2
10°-20°	31.8	9.8
20°-30°	55.0	16.9
30°-40°	71.3	21.9
40°-50°	63.6	19.6
50°-60°	40.4	12.4
60°-70°	26.8	8.2
70°-80°	18.5	5.7
80°-90°	7.3	2.3
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°	97.2	29.9
0°-40°	168.5	51.8
0°-60°	272.5	83.8
0°-90°	325.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	325.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	108	
5°	108	10
15°	112	32
25°	119	55
35°	115	71
45°	83	64
55°	44	40
65°	27	27
75°	17	18
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	108.3
2.5°	108.2
5°	108.3
7.5°	108.3
10°	108.3
12.5°	110.0
15°	111.8
17.5°	113.6
20°	115.6
22.5°	117.6
25°	119.2
27.5°	120.1
30°	120.3
32.5°	119.4
35°	115.4
37.5°	109.6
40°	101.8
42.5°	92.6
45°	82.7
47.5°	73.0
50°	62.5
52.5°	52.5
55°	43.5
57.5°	37.6
60°	33.2
62.5°	29.8
65°	26.9
67.5°	24.2
70°	21.7
72.5°	19.5
75°	17.3
77.5°	15.5
80°	13.5
82.5°	11.2
85°	7.0
87.5°	2.0
90°	0.0

(END OF REPORT)