

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: P1503878

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-12)
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-BRSS-XX-OT (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

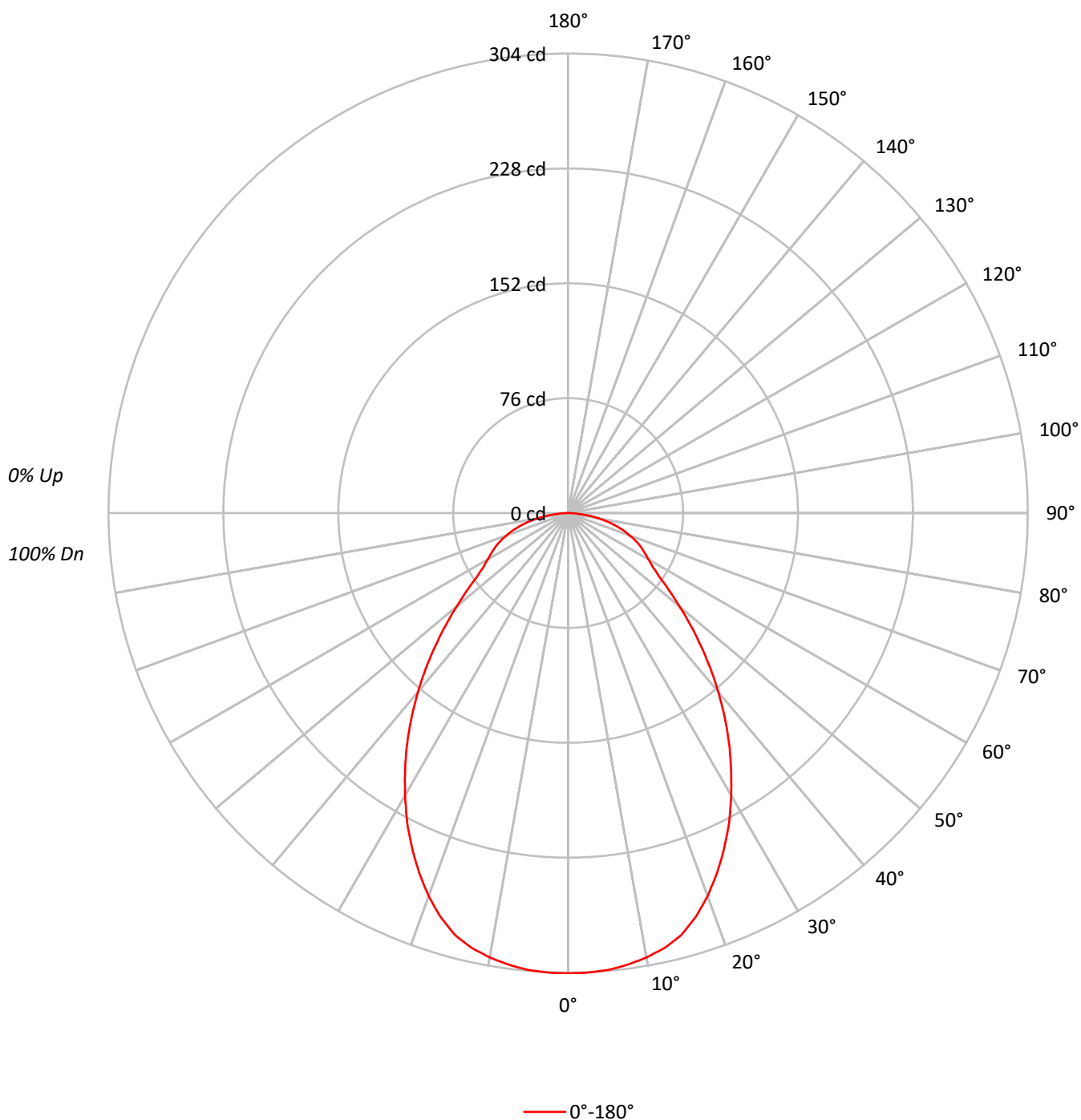
Lumens per Lamp: N/A
Luminaire Lumens: 597.9 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56		
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50		
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44		
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40		
8	65	52	44	39	63	51	44	39	50	43	38	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	42	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9390
5°	9391
10°	9347
15°	9229
20°	8847
25°	8312
30°	7677
35°	6983
40°	6223
45°	5403
50°	4620
55°	3962
60°	3787
65°	3874
70°	3922
75°	3896
80°	3694
85°	3114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5403 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	4.8
10°-20°	80.9	13.5
20°-30°	112.1	18.7
30°-40°	115.6	19.3
40°-50°	95.9	16.0
50°-60°	67.7	11.3
60°-70°	52.3	8.8
70°-80°	34.4	5.7
80°-90°	10.2	1.7
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°	221.8	37.1
0°-40°	337.5	56.4
0°-60°	501.0	83.8
0°-90°	597.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	597.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	304	
5°	303	29
15°	289	81
25°	244	112
35°	186	116
45°	124	96
55°	74	68
65°	53	52
75°	33	34
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	304.5
2.5°	304.3
5°	303.4
7.5°	301.4
10°	298.5
12.5°	294.7
15°	289.1
17.5°	280.3
20°	269.6
22.5°	257.5
25°	244.3
27.5°	230.6
30°	215.6
32.5°	200.6
35°	185.5
37.5°	169.9
40°	154.6
42.5°	139.2
45°	123.9
47.5°	109.8
50°	96.3
52.5°	84.3
55°	73.7
57.5°	66.3
60°	61.4
62.5°	57.2
65°	53.1
67.5°	48.6
70°	43.5
72.5°	38.5
75°	32.7
77.5°	26.9
80°	20.8
82.5°	14.8
85°	8.8
87.5°	3.4
90°	0.0

(END OF REPORT)