

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: P1503861

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-ND (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-9)
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-ND (5000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

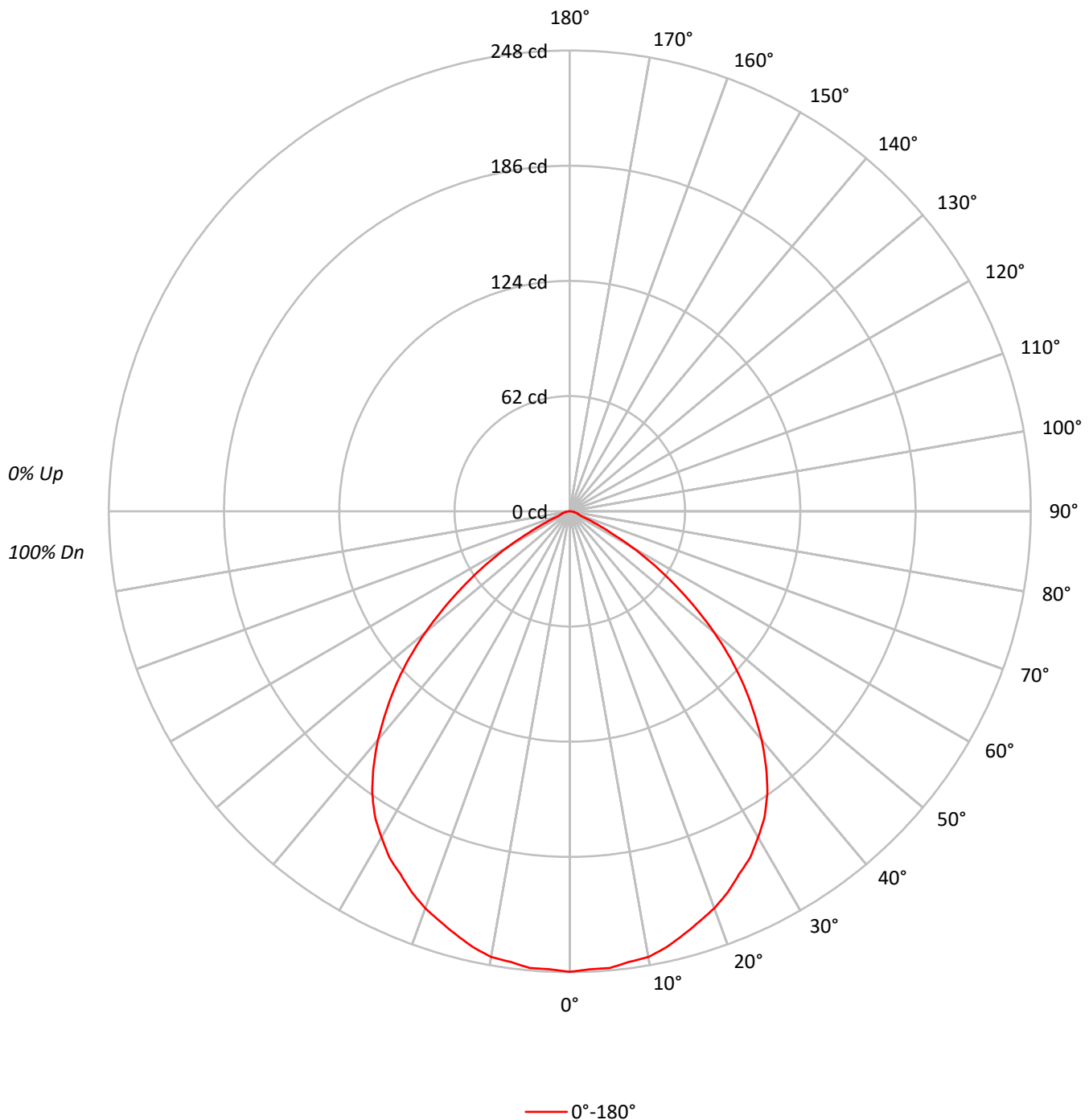
Lumens per Lamp: N/A
Luminaire Lumens: 489.6 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61		
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55		
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44		
8	67	55	47	42	66	54	47	42	53	46	42	52	46	42	51	45	41	40		
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	34	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7641
5°	7636
10°	7624
15°	7531
20°	7459
25°	7332
30°	7214
35°	6975
40°	6461
45°	5778
50°	4860
55°	3710
60°	2393
65°	1022
70°	487
75°	512
80°	391
85°	389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5778 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	4.8
10°-20°	66.6	13.6
20°-30°	99.5	20.3
30°-40°	115.0	23.5
40°-50°	101.5	20.7
50°-60°	61.8	12.6
60°-70°	16.5	3.4
70°-80°	4.1	0.8
80°-90°	1.2	0.2
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°	189.5	38.7
0°-40°	304.4	62.2
0°-60°	467.7	95.5
0°-90°	489.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	489.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	248	
5°	247	23
15°	236	67
25°	216	99
35°	185	115
45°	132	101
55°	69	62
65°	14	17
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	247.8
2.5°	246.7
5°	246.7
7.5°	244.6
10°	243.5
12.5°	240.3
15°	235.9
17.5°	231.6
20°	227.3
22.5°	221.9
25°	215.5
27.5°	210.1
30°	202.6
32.5°	195.0
35°	185.3
37.5°	173.5
40°	160.5
42.5°	146.5
45°	132.5
47.5°	117.4
50°	101.3
52.5°	85.1
55°	69.0
57.5°	53.9
60°	38.8
62.5°	24.8
65°	14.0
67.5°	6.5
70°	5.4
72.5°	4.3
75°	4.3
77.5°	3.2
80°	2.2
82.5°	2.2
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)