

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: P1503859

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-ND (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503859
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 (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

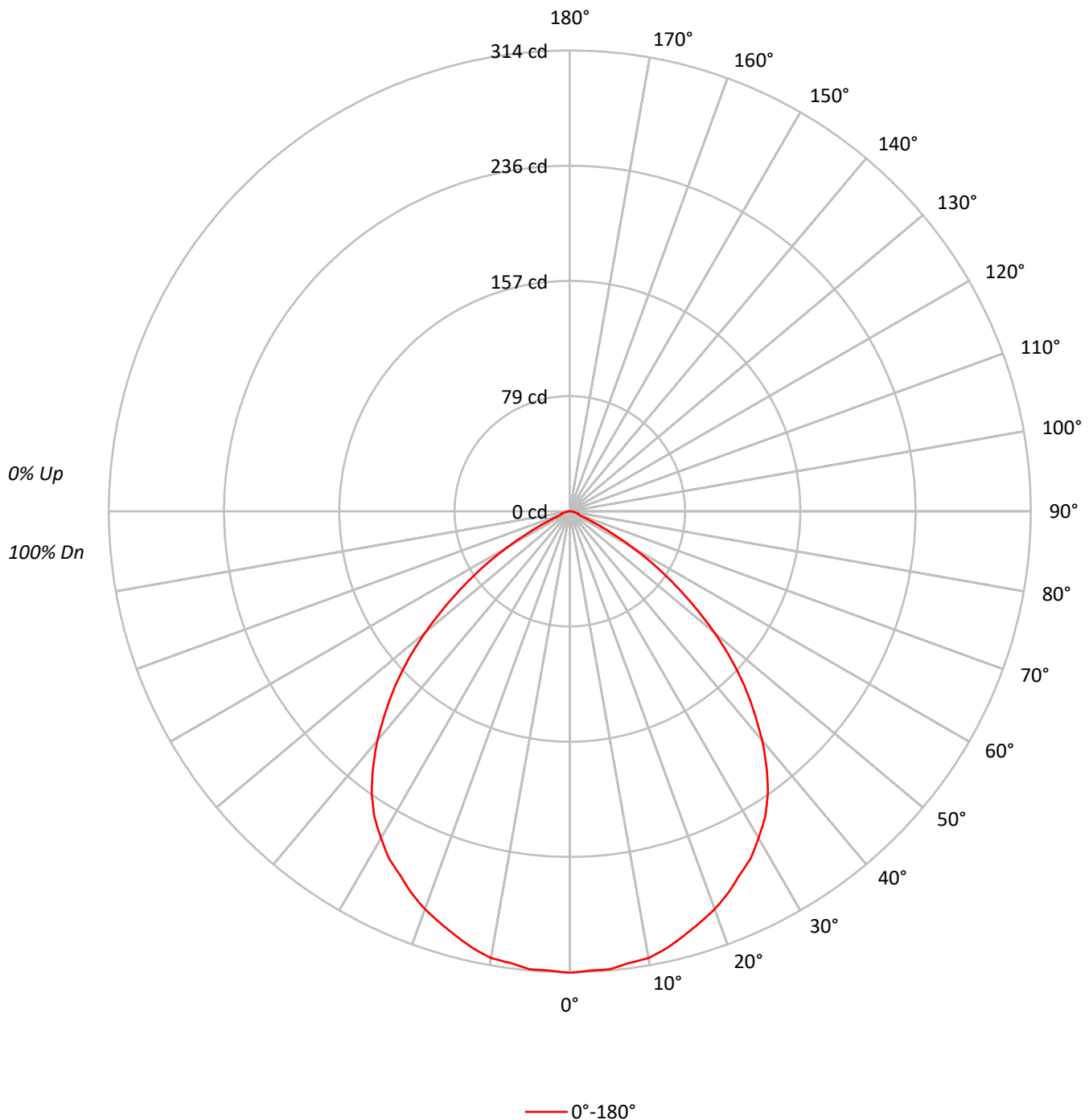
Lumens per Lamp: N/A
Luminaire Lumens: 621.4 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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				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°	9698
5°	9695
10°	9679
15°	9561
20°	9467
25°	9306
30°	9154
35°	8854
40°	8204
45°	7335
50°	6165
55°	4704
60°	3034
65°	1299
70°	613
75°	655
80°	479
85°	495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7335 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	4.8
10°-20°	84.5	13.6
20°-30°	126.3	20.3
30°-40°	145.9	23.5
40°-50°	128.8	20.7
50°-60°	78.4	12.6
60°-70°	20.9	3.4
70°-80°	5.2	0.8
80°-90°	1.5	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°	240.5	38.7
0°-40°	386.4	62.2
0°-60°	593.7	95.5
0°-90°	621.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	314	
5°	313	30
15°	300	85
25°	274	126
35°	235	146
45°	168	129
55°	88	78
65°	18	21
75°	6	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	314.5
2.5°	313.2
5°	313.2
7.5°	310.4
10°	309.1
12.5°	304.9
15°	299.5
17.5°	294.0
20°	288.5
22.5°	281.7
25°	273.5
27.5°	266.7
30°	257.1
32.5°	247.5
35°	235.2
37.5°	220.2
40°	203.8
42.5°	186.0
45°	168.2
47.5°	149.1
50°	128.5
52.5°	108.0
55°	87.5
57.5°	68.4
60°	49.2
62.5°	31.5
65°	17.8
67.5°	8.2
70°	6.8
72.5°	5.5
75°	5.5
77.5°	4.1
80°	2.7
82.5°	2.7
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)