

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: P1503727

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-ND (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503727
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-010-XXXX-BRSS-XX-ND (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

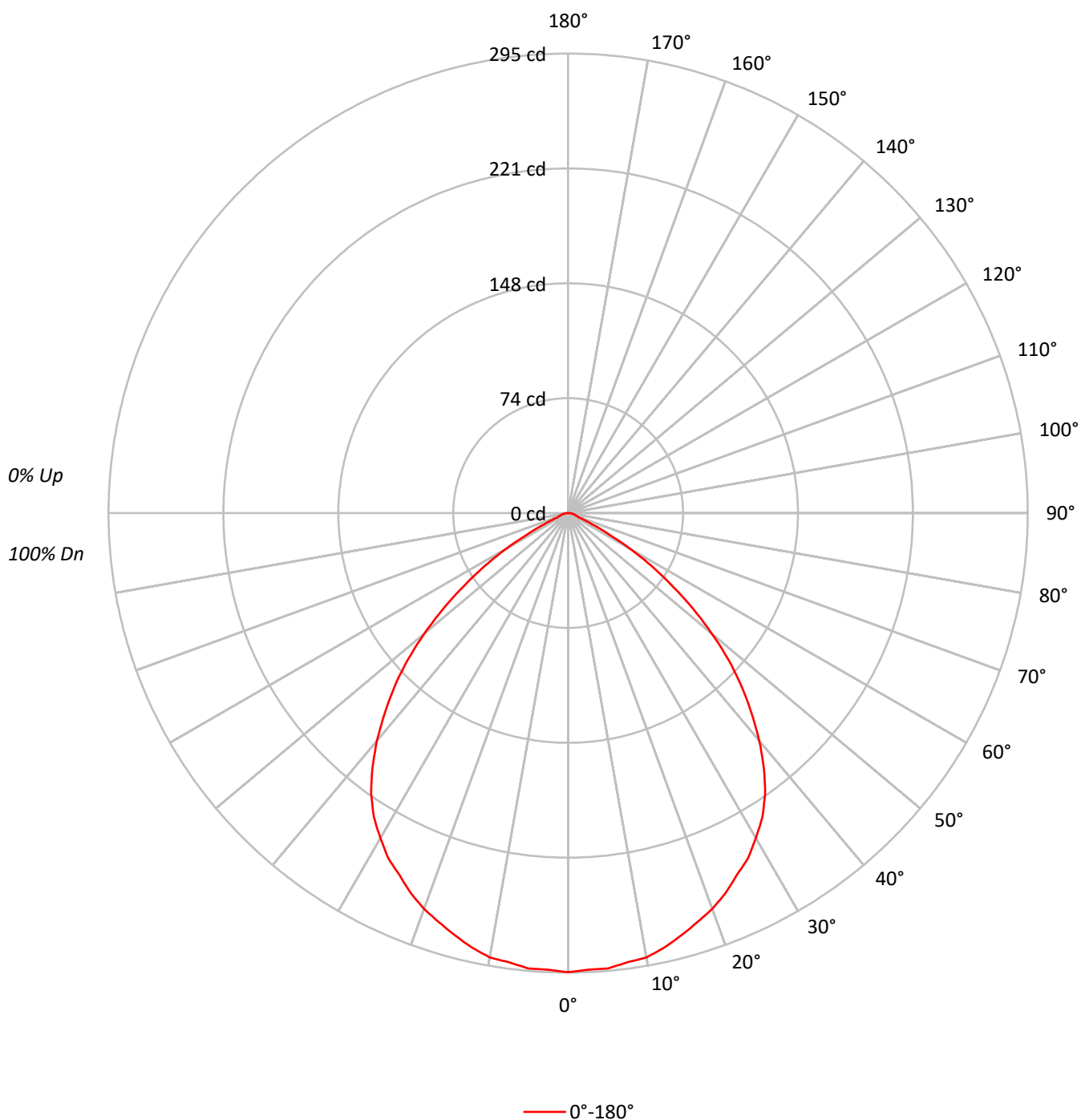
Lumens per Lamp: N/A
Luminaire Lumens: 582.2 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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	50	30	10	50	30	10		
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°	9087
5°	9082
10°	9068
15°	8958
20°	8873
25°	8720
30°	8578
35°	8297
40°	7684
45°	6873
50°	5776
55°	4408
60°	2843
65°	1219
70°	577
75°	608
80°	462
85°	460

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6873 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	4.8
10°-20°	79.2	13.6
20°-30°	118.3	20.3
30°-40°	136.7	23.5
40°-50°	120.7	20.7
50°-60°	73.5	12.6
60°-70°	19.6	3.4
70°-80°	4.9	0.8
80°-90°	1.4	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°	225.4	38.7
0°-40°	362.1	62.2
0°-60°	556.3	95.5
0°-90°	582.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	295	
5°	293	28
15°	281	79
25°	256	118
35°	220	137
45°	158	121
55°	82	74
65°	17	20
75°	5	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	294.7
2.5°	293.4
5°	293.4
7.5°	290.9
10°	289.6
12.5°	285.7
15°	280.6
17.5°	275.5
20°	270.4
22.5°	264.0
25°	256.3
27.5°	249.9
30°	240.9
32.5°	231.9
35°	220.4
37.5°	206.3
40°	190.9
42.5°	174.3
45°	157.6
47.5°	139.7
50°	120.4
52.5°	101.2
55°	82.0
57.5°	64.1
60°	46.1
62.5°	29.5
65°	16.7
67.5°	7.7
70°	6.4
72.5°	5.1
75°	5.1
77.5°	3.8
80°	2.6
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)