

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: P1503718

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-ND (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503718
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 (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

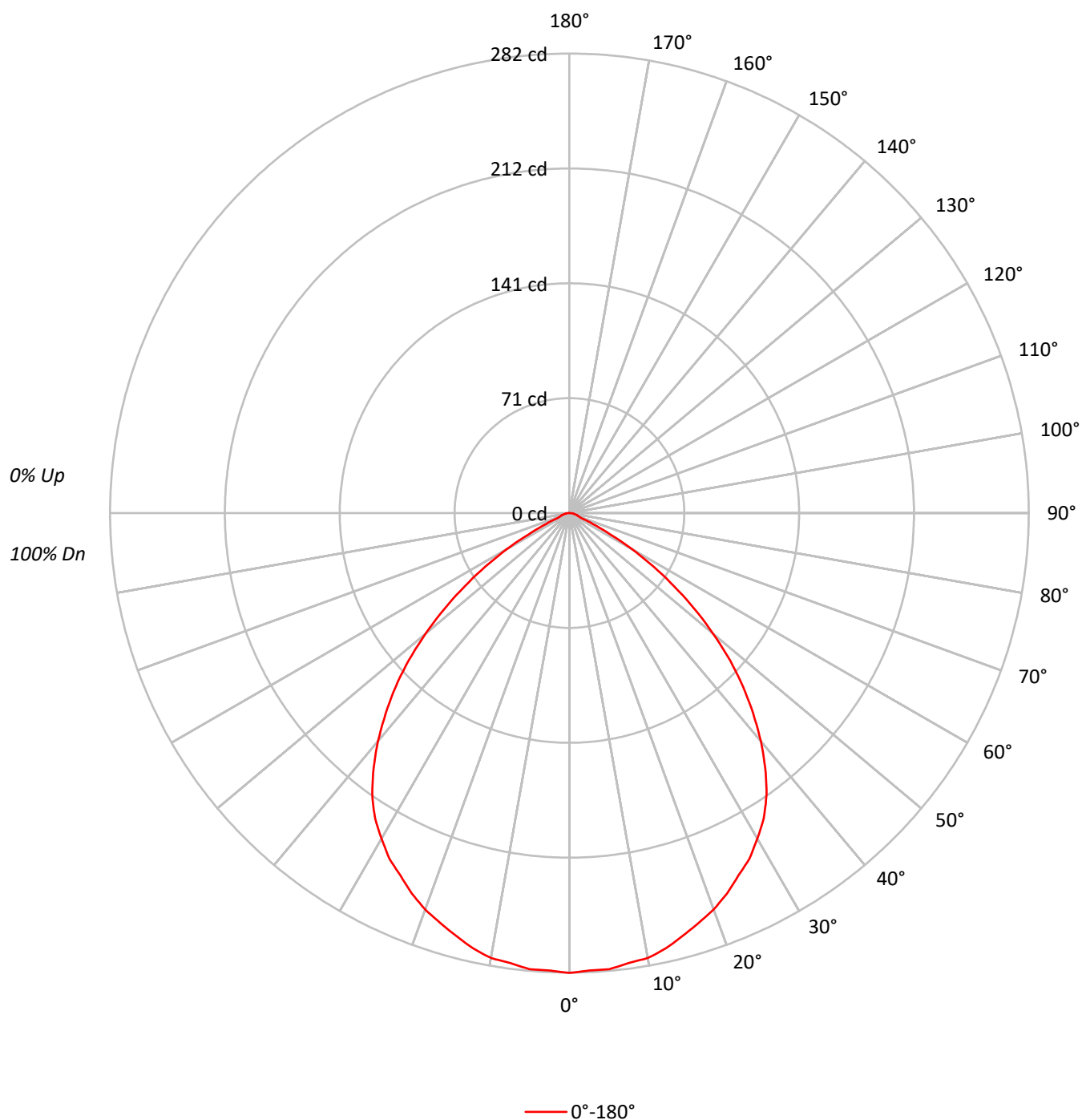
Lumens per Lamp: N/A
Luminaire Lumens: 557.4 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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
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°	8702
5°	8698
10°	8683
15°	8578
20°	8496
25°	8350
30°	8214
35°	7943
40°	7358
45°	6581
50°	5531
55°	4220
60°	2726
65°	1160
70°	550
75°	584
80°	444
85°	425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6581 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	4.8
10°-20°	75.9	13.6
20°-30°	113.3	20.3
30°-40°	130.9	23.5
40°-50°	115.6	20.7
50°-60°	70.4	12.6
60°-70°	18.8	3.4
70°-80°	4.7	0.8
80°-90°	1.3	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°	215.8	38.7
0°-40°	346.7	62.2
0°-60°	532.6	95.5
0°-90°	557.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	282	
5°	281	27
15°	269	76
25°	245	113
35°	211	131
45°	151	116
55°	78	70
65°	16	19
75°	5	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	282.2
2.5°	281.0
5°	281.0
7.5°	278.5
10°	277.3
12.5°	273.6
15°	268.7
17.5°	263.8
20°	258.9
22.5°	252.7
25°	245.4
27.5°	239.2
30°	230.7
32.5°	222.1
35°	211.0
37.5°	197.5
40°	182.8
42.5°	166.9
45°	150.9
47.5°	133.7
50°	115.3
52.5°	96.9
55°	78.5
57.5°	61.3
60°	44.2
62.5°	28.2
65°	15.9
67.5°	7.4
70°	6.1
72.5°	4.9
75°	4.9
77.5°	3.7
80°	2.5
82.5°	2.5
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)