

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: P1503726

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-ND (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503726
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-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
Ballast/Driver: ELECTRONIC DRIVER

Summary

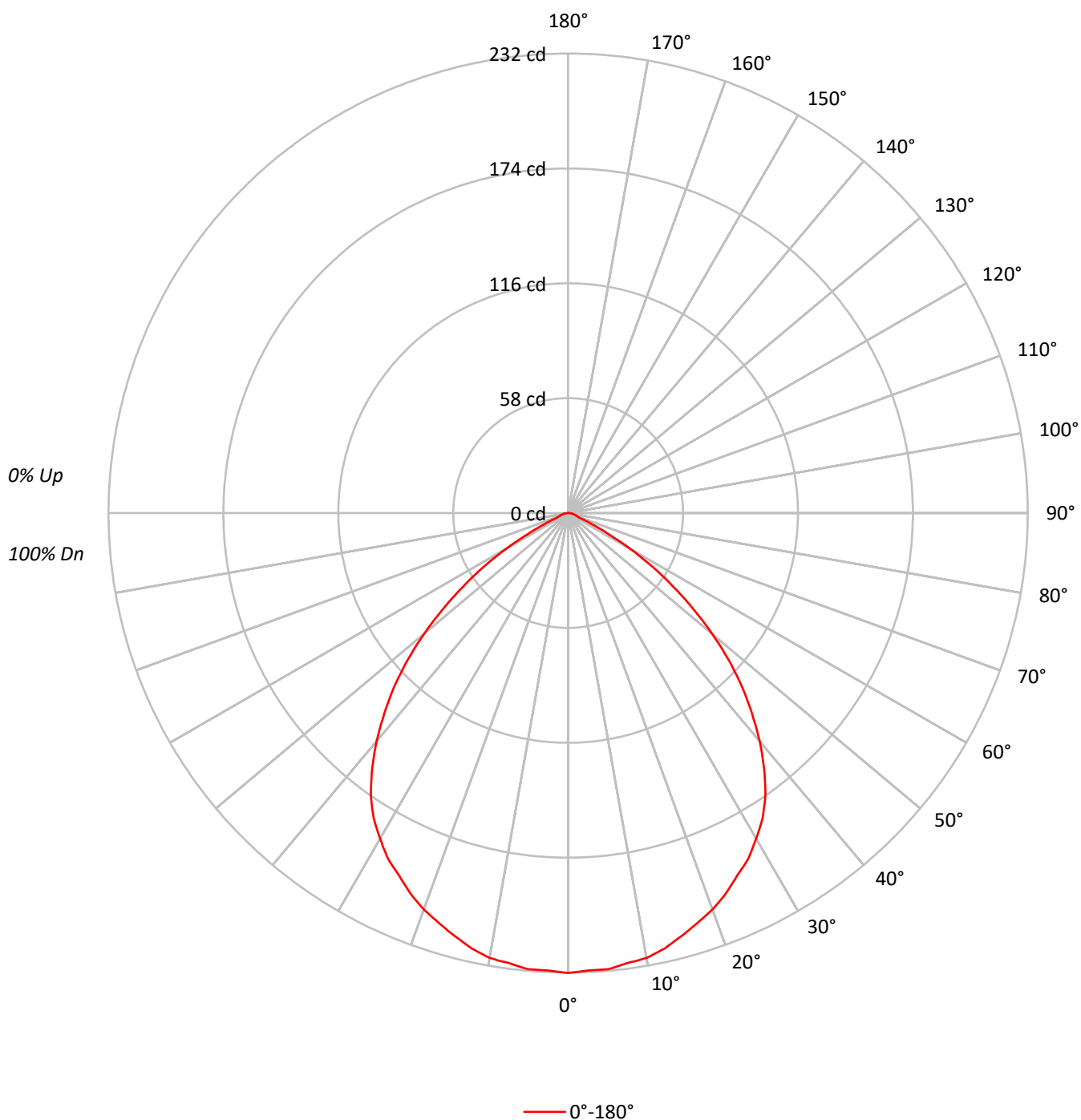
Lumens per Lamp: N/A
Luminaire Lumens: 458.6 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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

TEST NUMBER: P1503726

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20				
RC	80				70					50					30				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	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°	7160
5°	7157
10°	7142
15°	7058
20°	6990
25°	6869
30°	6758
35°	6535
40°	6054
45°	5416
50°	4553
55°	3473
60°	2239
65°	956
70°	451
75°	477
80°	355
85°	354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	4.8
10°-20°	62.4	13.6
20°-30°	93.2	20.3
30°-40°	107.7	23.5
40°-50°	95.1	20.7
50°-60°	57.9	12.6
60°-70°	15.4	3.4
70°-80°	3.8	0.8
80°-90°	1.1	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°	177.6	38.7
0°-40°	285.3	62.2
0°-60°	438.3	95.6
0°-90°	458.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	232	
5°	231	22
15°	221	62
25°	202	93
35°	174	108
45°	124	95
55°	65	58
65°	13	15
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	232.2
2.5°	231.2
5°	231.2
7.5°	229.2
10°	228.1
12.5°	225.1
15°	221.1
17.5°	217.0
20°	213.0
22.5°	208.0
25°	201.9
27.5°	196.9
30°	189.8
32.5°	182.7
35°	173.6
37.5°	162.5
40°	150.4
42.5°	137.3
45°	124.2
47.5°	110.0
50°	94.9
52.5°	79.8
55°	64.6
57.5°	50.5
60°	36.3
62.5°	23.2
65°	13.1
67.5°	6.1
70°	5.0
72.5°	4.0
75°	4.0
77.5°	3.0
80°	2.0
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)