

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: P1503711

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-11)
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-BRNZ-XX-OT (5000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

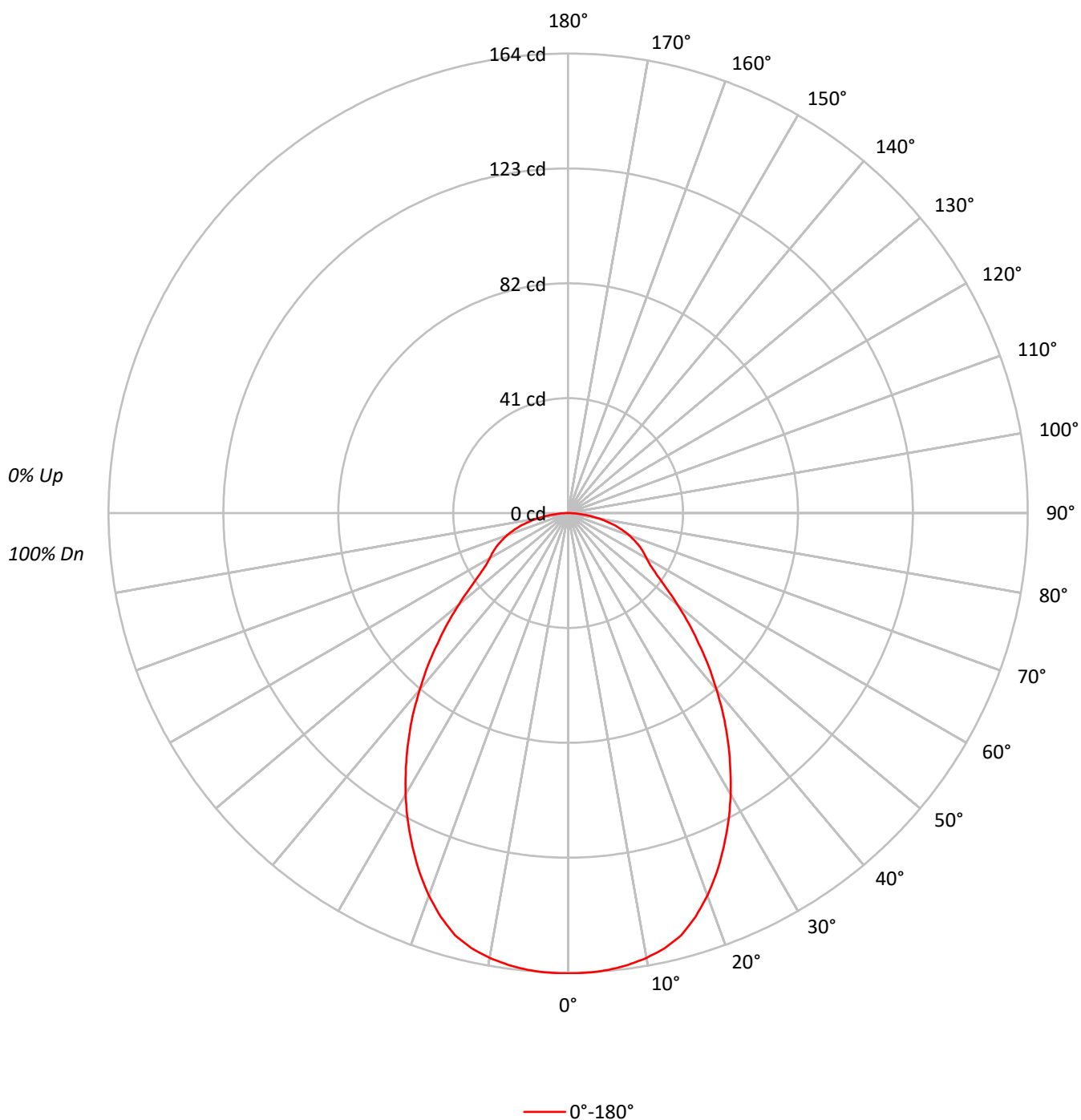
Lumens per Lamp: N/A
Luminaire Lumens: 319.6 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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

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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64		
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56		
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50		
6	74	62	54	48	72	61	53	48	59	52	47	58	52	47	56	51	46	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36		
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33		
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5066
5°	5067
10°	5047
15°	4980
20°	4768
25°	4471
30°	4130
35°	3742
40°	3317
45°	2874
50°	2447
55°	2091
60°	1992
65°	2050
70°	2083
75°	2085
80°	1971
85°	1698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	4.9
10°-20°	43.7	13.7
20°-30°	60.3	18.9
30°-40°	62.0	19.4
40°-50°	51.0	16.0
50°-60°	35.6	11.2
60°-70°	27.7	8.7
70°-80°	18.3	5.7
80°-90°	5.5	1.7
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°	119.5	37.4
0°-40°	181.5	56.8
0°-60°	268.2	83.9
0°-90°	319.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	319.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	164	
5°	164	16
15°	156	44
25°	131	60
35°	99	62
45°	66	51
55°	39	36
65°	28	28
75°	18	18
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	164.3
2.5°	164.2
5°	163.7
7.5°	162.7
10°	161.2
12.5°	159.1
15°	156.0
17.5°	151.1
20°	145.3
22.5°	138.7
25°	131.4
27.5°	123.9
30°	116.0
32.5°	107.7
35°	99.4
37.5°	91.0
40°	82.4
42.5°	74.2
45°	65.9
47.5°	58.4
50°	51.0
52.5°	44.3
55°	38.9
57.5°	34.8
60°	32.3
62.5°	30.3
65°	28.1
67.5°	25.6
70°	23.1
72.5°	20.4
75°	17.5
77.5°	14.3
80°	11.1
82.5°	7.9
85°	4.8
87.5°	1.8
90°	0.0

(END OF REPORT)