

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: P1503847

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503847
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-D2W-XXXX-BRNZ-XX-OT (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

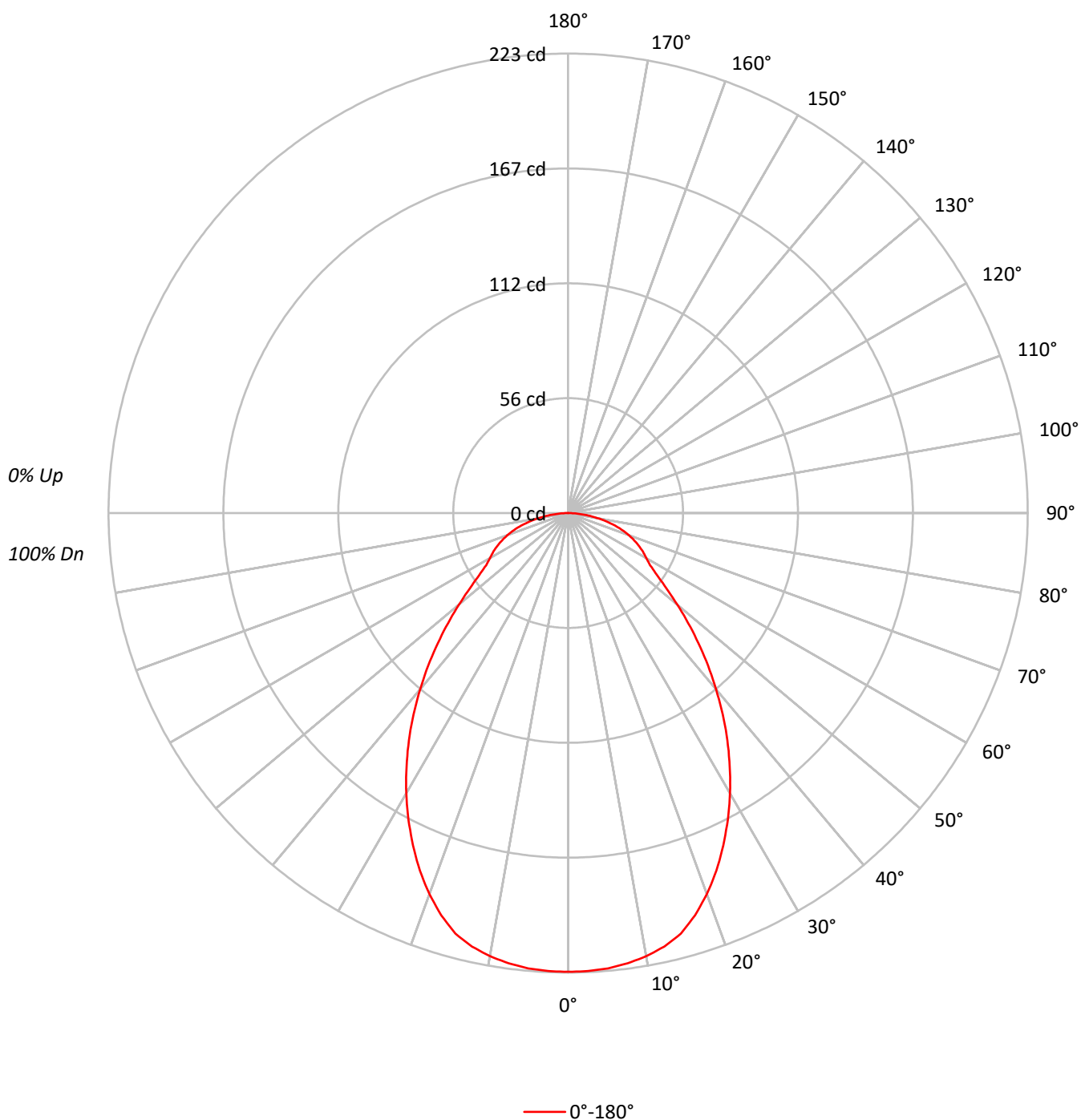
Lumens per Lamp: N/A
Luminaire Lumens: 432.9 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	6864
5°	6866
10°	6839
15°	6746
20°	6458
25°	6056
30°	5594
35°	5071
40°	4492
45°	3894
50°	3315
55°	2828
60°	2701
65°	2773
70°	2822
75°	2824
80°	2664
85°	2335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3894 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	4.9
10°-20°	59.2	13.7
20°-30°	81.7	18.9
30°-40°	84.0	19.4
40°-50°	69.1	16.0
50°-60°	48.3	11.2
60°-70°	37.5	8.7
70°-80°	24.8	5.7
80°-90°	7.4	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°	161.9	37.4
0°-40°	245.9	56.8
0°-60°	363.2	83.9
0°-90°	432.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	223	
5°	222	21
15°	211	59
25°	178	82
35°	135	84
45°	89	69
55°	53	48
65°	38	37
75°	24	25
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	222.6
2.5°	222.5
5°	221.8
7.5°	220.4
10°	218.4
12.5°	215.5
15°	211.3
17.5°	204.7
20°	196.8
22.5°	187.9
25°	178.0
27.5°	167.8
30°	157.1
32.5°	145.9
35°	134.7
37.5°	123.2
40°	111.6
42.5°	100.5
45°	89.3
47.5°	79.0
50°	69.1
52.5°	60.0
55°	52.6
57.5°	47.2
60°	43.8
62.5°	41.0
65°	38.0
67.5°	34.7
70°	31.3
72.5°	27.6
75°	23.7
77.5°	19.4
80°	15.0
82.5°	10.7
85°	6.6
87.5°	2.5
90°	0.0

(END OF REPORT)