

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: P1503849

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-ND (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503849
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-D2W-XXXX-BRSS-XX-ND (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

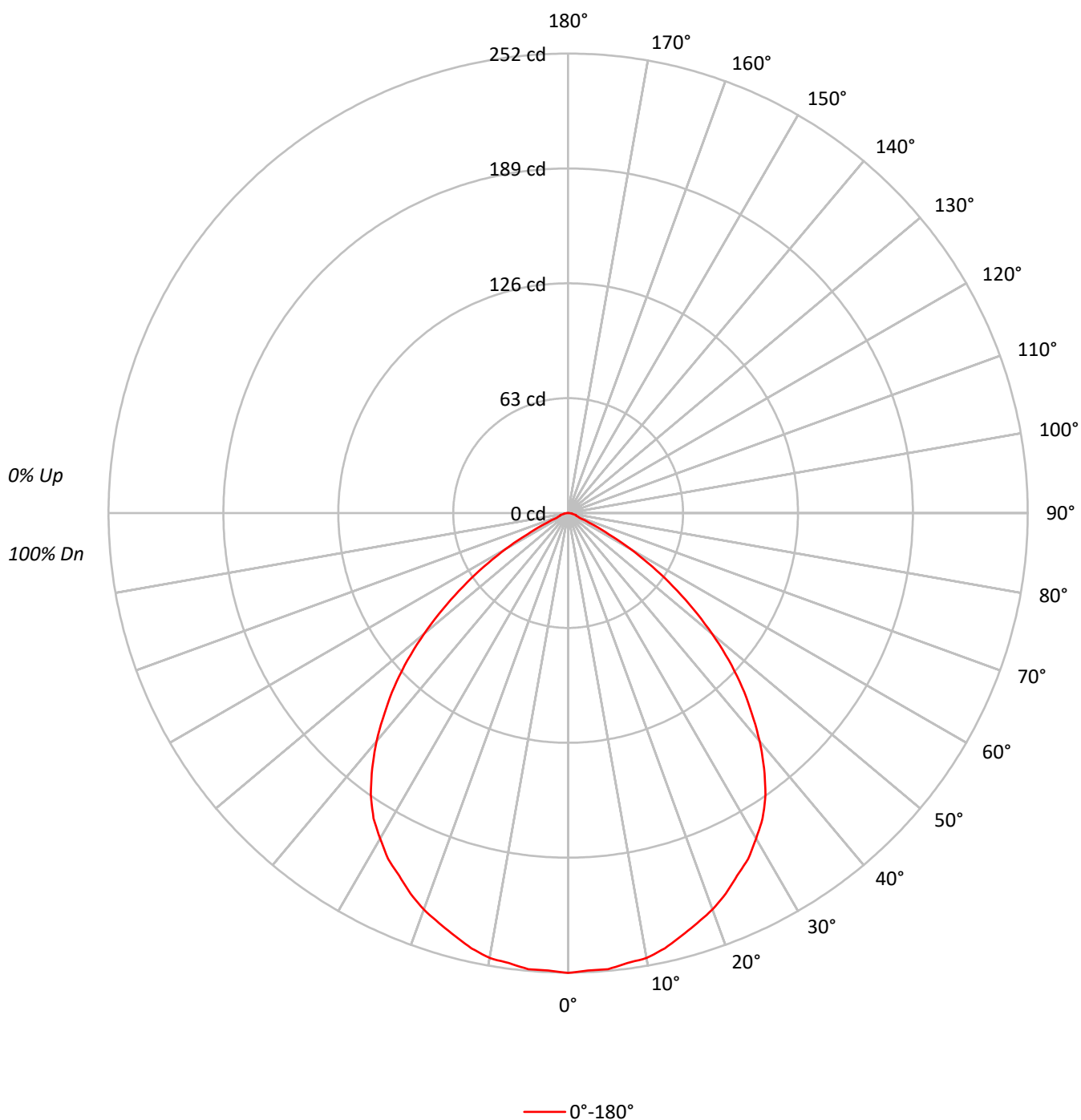
Lumens per Lamp: N/A
Luminaire Lumens: 498.2 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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				
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°	7777
5°	7773
10°	7759
15°	7665
20°	7593
25°	7461
30°	7339
35°	7100
40°	6577
45°	5883
50°	4946
55°	3774
60°	2436
65°	1043
70°	496
75°	524
80°	391
85°	389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5883 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	4.8
10°-20°	67.8	13.6
20°-30°	101.2	20.3
30°-40°	117.0	23.5
40°-50°	103.3	20.7
50°-60°	62.9	12.6
60°-70°	16.8	3.4
70°-80°	4.2	0.8
80°-90°	1.2	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°	192.8	38.7
0°-40°	309.8	62.2
0°-60°	476.0	95.5
0°-90°	498.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	252	
5°	251	24
15°	240	68
25°	219	101
35°	189	117
45°	135	103
55°	70	63
65°	14	17
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	252.2
2.5°	251.1
5°	251.1
7.5°	248.9
10°	247.8
12.5°	244.5
15°	240.1
17.5°	235.7
20°	231.4
22.5°	225.9
25°	219.3
27.5°	213.8
30°	206.1
32.5°	198.5
35°	188.6
37.5°	176.5
40°	163.4
42.5°	149.1
45°	134.9
47.5°	119.5
50°	103.1
52.5°	86.6
55°	70.2
57.5°	54.8
60°	39.5
62.5°	25.2
65°	14.3
67.5°	6.6
70°	5.5
72.5°	4.4
75°	4.4
77.5°	3.3
80°	2.2
82.5°	2.2
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)