

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: P1503657

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-WHTE-XX (3000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-02-LS-FS-D2W-XXXX-WHTE-XX (3000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

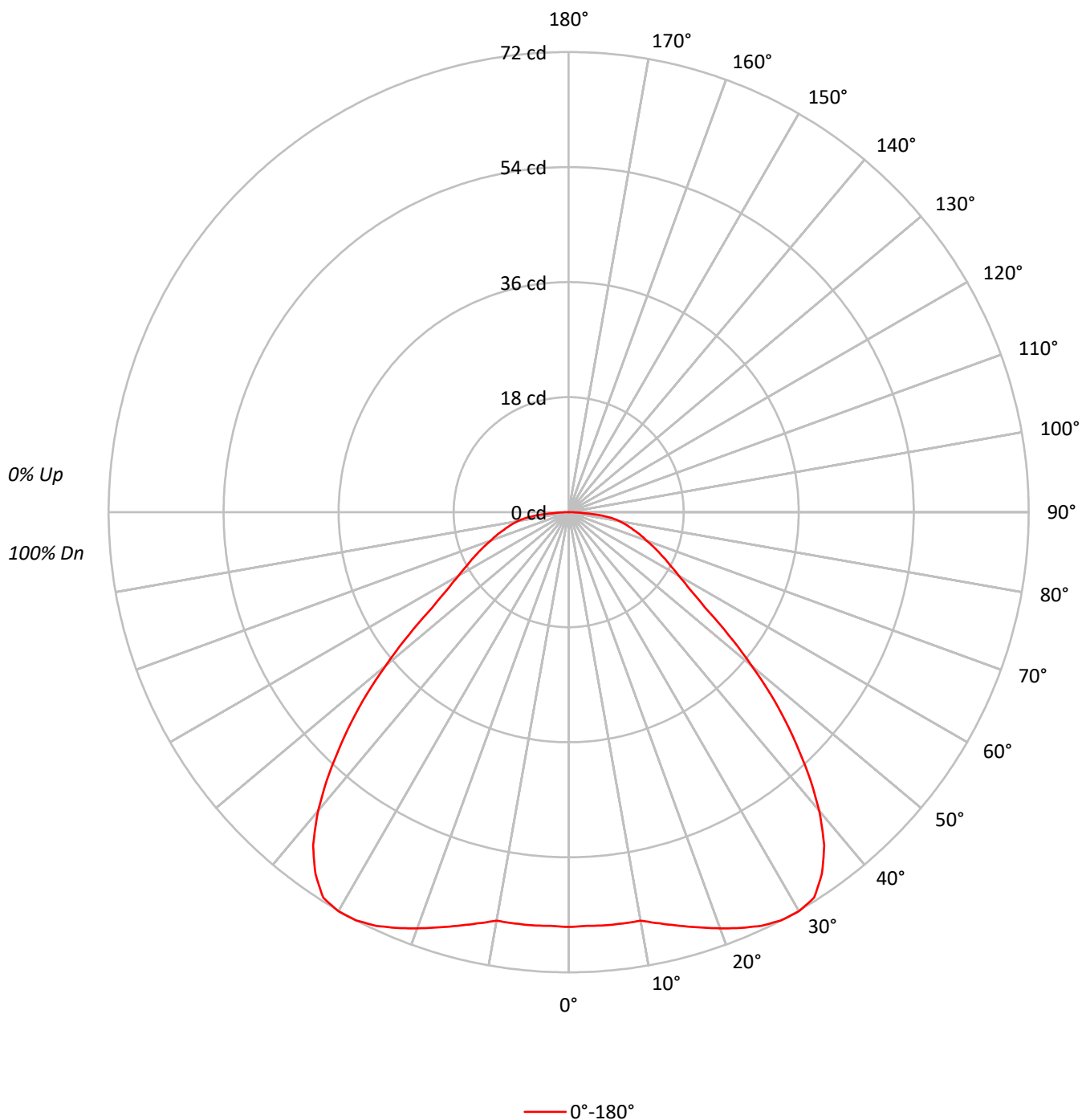
Lumens per Lamp: N/A
Luminaire Lumens: 194.8 lumens
Efficiency: N/A
Efficacy: 28.2 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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					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	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		85
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72		72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53		53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47		47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	44	53	48	43	41		41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	37		37
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35	33		33
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29		29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27		27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2001
5°	2009
10°	2032
15°	2139
20°	2274
25°	2429
30°	2567
35°	2601
40°	2455
45°	2163
50°	1794
55°	1403
60°	1227
65°	1175
70°	1172
75°	1239
80°	1438
85°	1486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	3.2
10°-20°	19.1	9.8
20°-30°	33.0	16.9
30°-40°	42.7	21.9
40°-50°	38.1	19.6
50°-60°	24.2	12.4
60°-70°	16.1	8.3
70°-80°	11.1	5.7
80°-90°	4.4	2.3
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°	58.2	29.9
0°-40°	100.9	51.8
0°-60°	163.3	83.8
0°-90°	194.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	194.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	65	
5°	65	6
15°	67	19
25°	71	33
35°	69	43
45°	50	38
55°	26	24
65°	16	16
75°	10	11
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	64.9
2.5°	64.8
5°	64.9
7.5°	64.9
10°	64.9
12.5°	65.9
15°	67.0
17.5°	68.1
20°	69.3
22.5°	70.4
25°	71.4
27.5°	72.0
30°	72.1
32.5°	71.5
35°	69.1
37.5°	65.7
40°	61.0
42.5°	55.5
45°	49.6
47.5°	43.7
50°	37.4
52.5°	31.5
55°	26.1
57.5°	22.5
60°	19.9
62.5°	17.9
65°	16.1
67.5°	14.5
70°	13.0
72.5°	11.7
75°	10.4
77.5°	9.3
80°	8.1
82.5°	6.7
85°	4.2
87.5°	1.2
90°	0.0

(END OF REPORT)