

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: P1503551

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-DIFF-VF (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-01-LS-FS-D2W-XXXX-DIFF-VF (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

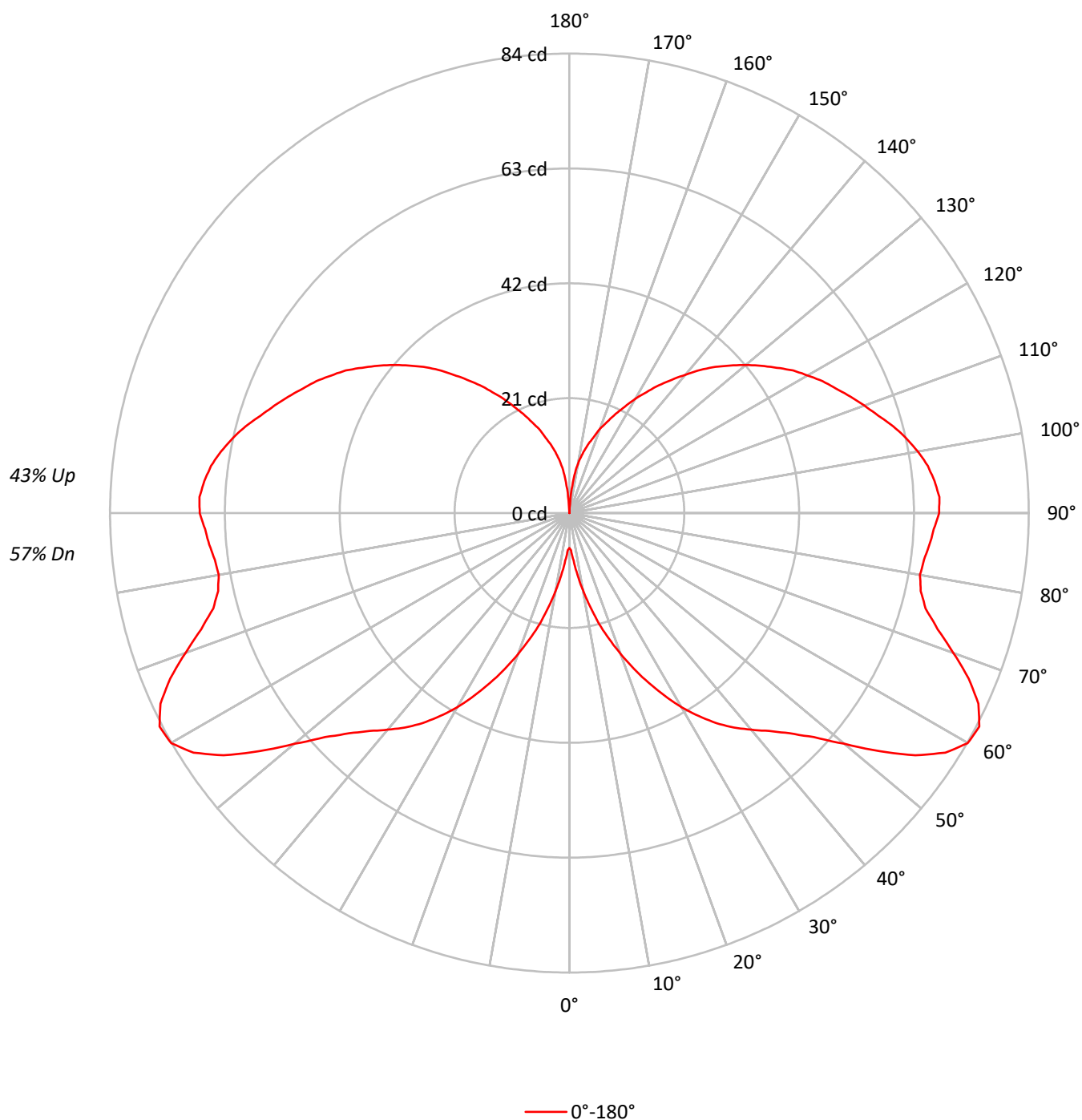
Lumens per Lamp: N/A
Luminaire Lumens: 684.7 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 5.37 / 5.37 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 11.5
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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57		
1	94	87	81	75	86	80	75	70	68	64	60	57	54	51	47	44	42	37		
2	83	73	64	57	76	67	59	53	56	50	45	46	42	38	37	34	31	26		
3	74	62	52	44	68	57	48	41	47	41	35	39	34	29	31	27	23	19		
4	67	53	43	36	61	49	40	33	41	34	28	33	28	23	26	22	18	14		
5	61	46	36	29	55	43	34	27	36	28	23	29	23	19	23	18	15	11		
6	55	41	31	24	51	38	29	22	31	24	19	26	20	15	20	16	12	9		
7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	14	10	7		
8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6		
9	44	30	21	15	40	27	19	14	23	16	12	19	13	10	15	11	7	5		
10	40	27	19	13	37	25	17	12	21	15	10	17	12	8	14	9	6	4		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	355
5°	470
10°	763
15°	1102
20°	1434
25°	1800
30°	2185
35°	2552
40°	2896
45°	3310
50°	4001
55°	4987
60°	5822
65°	6203
70°	6197
75°	6289
80°	7002
85°	8467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 10803 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.1
10°-20°	6.1	0.9
20°-30°	16.0	2.3
30°-40°	29.4	4.3
40°-50°	44.7	6.5
50°-60°	68.6	10.0
60°-70°	80.7	11.8
70°-80°	72.3	10.6
80°-90°	72.2	10.5
90°-100°	72.8	10.6
100°-110°	64.7	9.5
110°-120°	53.5	7.8
120°-130°	41.6	6.1
130°-140°	29.3	4.3
140°-150°	18.0	2.6
150°-160°	9.4	1.4
160°-170°	3.7	0.5
170°-180°	0.5	0.1
0°-30°	23.1	3.4
0°-40°	52.6	7.7
0°-60°	165.9	24.2
0°-90°	391.1	57.1
90°-120°	191.1	27.9
90°-150°	280.0	40.9
90°-180°	294.0	42.9
0°-180°	684.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	9	1
15°	21	6
25°	34	16
35°	47	29
45°	57	45
55°	77	69
65°	82	81
75°	67	72
85°	66	54
90°	68	37
95°	67	54
105°	61	65
115°	54	54
125°	46	42
135°	38	29
145°	28	18
155°	20	9
165°	13	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6.4
2.5°	6.8
5°	8.7
7.5°	11.4
10°	14.4
12.5°	17.5
15°	21.0
17.5°	24.1
20°	27.4
22.5°	30.8
25°	34.2
27.5°	37.6
30°	41.0
32.5°	44.0
35°	46.9
37.5°	49.4
40°	51.7
42.5°	54.0
45°	56.9
47.5°	60.6
50°	65.6
52.5°	71.5
55°	77.2
57.5°	81.5
60°	84.1
62.5°	84.5
65°	82.5
67.5°	79.0
70°	74.7
72.5°	70.6
75°	67.4
77.5°	65.8
80°	65.1
82.5°	65.4
85°	66.1
87.5°	66.7
90°	67.6
92.5°	67.7
95°	67.0
97.5°	66.1
100°	64.7
102.5°	63.1
105°	61.3
107.5°	59.2
110°	57.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.6
115°	53.8
117.5°	52.2
120°	50.3
122.5°	48.5
125°	46.3
127.5°	44.2
130°	42.1
132.5°	39.9
135°	37.8
137.5°	35.5
140°	33.0
142.5°	30.7
145°	28.5
147.5°	26.2
150°	24.1
152.5°	21.9
155°	20.0
157.5°	18.0
160°	16.4
162.5°	14.4
165°	12.8
167.5°	11.1
170°	9.3
172.5°	7.0
175°	3.7
177.5°	0.2
180°	0.0

(END OF REPORT)