

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: P1503504

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503504
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-010-XXXX-DIFF-VF (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

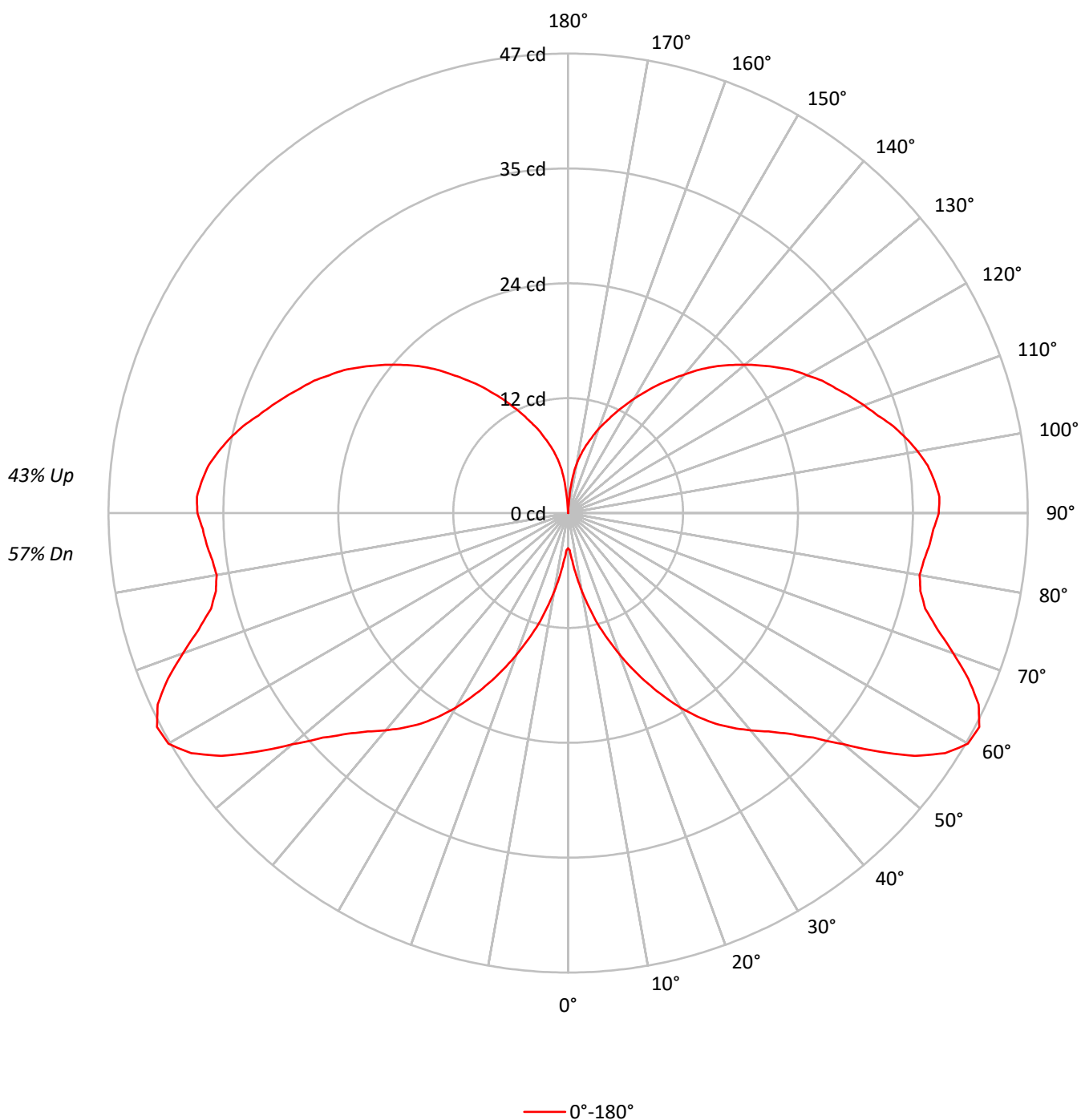
Lumens per Lamp: N/A
Luminaire Lumens: 384.1 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 5.37 / 5.37 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 6.6
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°	199
5°	264
10°	429
15°	619
20°	806
25°	1010
30°	1226
35°	1431
40°	1625
45°	1856
50°	2244
55°	2797
60°	3268
65°	3481
70°	3476
75°	3527
80°	3926
85°	4752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6057 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.1
10°-20°	3.4	0.9
20°-30°	9.0	2.3
30°-40°	16.5	4.3
40°-50°	25.1	6.5
50°-60°	38.5	10.0
60°-70°	45.3	11.8
70°-80°	40.6	10.6
80°-90°	40.5	10.5
90°-100°	40.9	10.6
100°-110°	36.3	9.5
110°-120°	30.0	7.8
120°-130°	23.3	6.1
130°-140°	16.4	4.3
140°-150°	10.1	2.6
150°-160°	5.3	1.4
160°-170°	2.1	0.5
170°-180°	0.3	0.1
0°-30°	13.0	3.4
0°-40°	29.5	7.7
0°-60°	93.0	24.2
0°-90°	219.4	57.1
90°-120°	107.2	27.9
90°-150°	157.1	40.9
90°-180°	165.0	43.0
0°-180°	384.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	5	1
15°	12	3
25°	19	9
35°	26	17
45°	32	25
55°	43	38
65°	46	45
75°	38	41
85°	37	30
90°	38	21
95°	38	30
105°	34	36
115°	30	30
125°	26	23
135°	21	16
145°	16	10
155°	11	5
165°	7	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3.6
2.5°	3.8
5°	4.9
7.5°	6.4
10°	8.1
12.5°	9.8
15°	11.8
17.5°	13.5
20°	15.4
22.5°	17.3
25°	19.2
27.5°	21.1
30°	23.0
32.5°	24.7
35°	26.3
37.5°	27.7
40°	29.0
42.5°	30.3
45°	31.9
47.5°	34.0
50°	36.8
52.5°	40.1
55°	43.3
57.5°	45.7
60°	47.2
62.5°	47.4
65°	46.3
67.5°	44.3
70°	41.9
72.5°	39.6
75°	37.8
77.5°	36.9
80°	36.5
82.5°	36.7
85°	37.1
87.5°	37.4
90°	37.9
92.5°	38.0
95°	37.6
97.5°	37.1
100°	36.3
102.5°	35.4
105°	34.4
107.5°	33.2
110°	32.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	31.2
115°	30.2
117.5°	29.3
120°	28.2
122.5°	27.2
125°	26.0
127.5°	24.8
130°	23.6
132.5°	22.4
135°	21.2
137.5°	19.9
140°	18.5
142.5°	17.2
145°	16.0
147.5°	14.7
150°	13.5
152.5°	12.3
155°	11.2
157.5°	10.1
160°	9.2
162.5°	8.1
165°	7.2
167.5°	6.2
170°	5.2
172.5°	3.9
175°	2.1
177.5°	0.1
180°	0.0

(END OF REPORT)