

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: P1503489

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-1)
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-CLER-VF (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

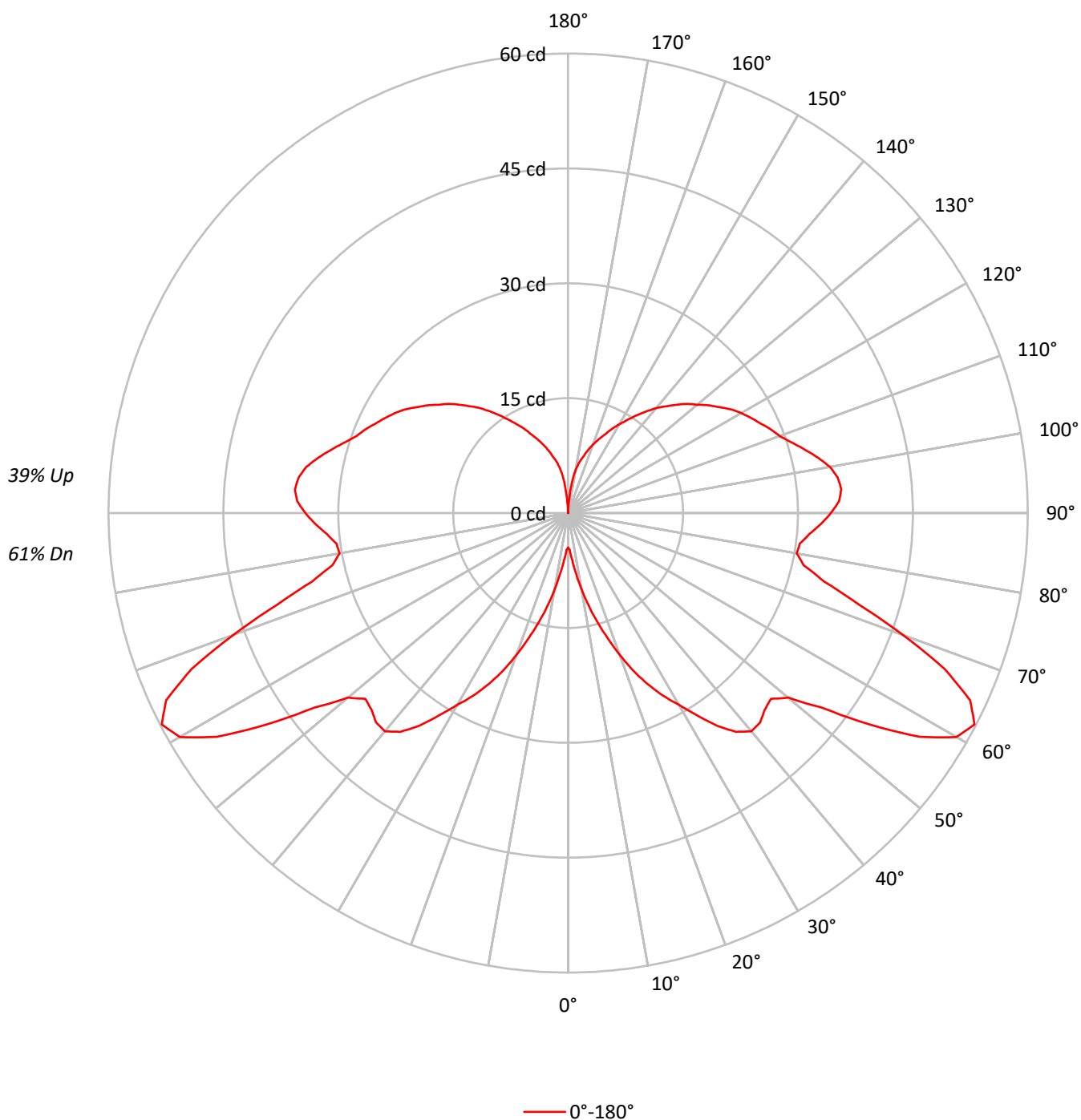
Lumens per Lamp: N/A
Luminaire Lumens: 392.5 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 6.7
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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61		
1	95	89	83	78	88	82	77	73	71	67	63	60	57	54	50	48	46	41		
2	84	74	66	59	78	69	61	55	59	53	48	49	45	41	41	37	34	29		
3	75	63	53	46	69	58	50	43	50	43	37	41	36	31	34	30	26	22		
4	68	54	44	37	62	50	41	34	43	35	29	35	30	25	29	24	20	17		
5	61	47	37	30	56	44	35	28	37	30	24	31	25	20	25	20	16	13		
6	56	42	32	25	51	39	30	23	33	25	20	27	21	17	22	17	14	11		
7	51	37	28	21	47	34	26	20	29	22	17	24	18	14	20	15	11	9		
8	47	33	24	18	44	31	23	17	26	19	14	22	16	12	18	13	10	7		
9	44	30	21	16	41	28	20	15	24	17	12	20	14	10	16	12	8	6		
10	41	27	19	14	38	25	18	13	22	15	11	18	13	9	15	10	7	5		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	249
5°	335
10°	535
15°	771
20°	1031
25°	1300
30°	1540
35°	1845
40°	2084
45°	2112
50°	2287
55°	3114
60°	4050
65°	4353
70°	3858
75°	3229
80°	3259
85°	4048

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.2
10°-20°	4.3	1.1
20°-30°	11.5	2.9
30°-40°	21.2	5.4
40°-50°	28.4	7.2
50°-60°	43.3	11.0
60°-70°	55.4	14.1
70°-80°	38.1	9.7
80°-90°	34.8	8.9
90°-100°	38.5	9.8
100°-110°	33.9	8.6
110°-120°	27.6	7.0
120°-130°	21.7	5.5
130°-140°	15.5	4.0
140°-150°	9.8	2.5
150°-160°	5.3	1.4
160°-170°	2.2	0.6
170°-180°	0.3	0.1
0°-30°	16.5	4.2
0°-40°	37.7	9.6
0°-60°	109.4	27.9
0°-90°	237.6	60.5
90°-120°	100.0	25.5
90°-150°	147.0	37.4
90°-180°	155.0	39.5
0°-180°	392.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	6	1
15°	15	4
25°	25	11
35°	34	21
45°	36	28
55°	48	43
65°	58	55
75°	35	38
85°	32	26
90°	34	19
95°	36	29
105°	32	34
115°	28	28
125°	24	22
135°	20	16
145°	16	10
155°	11	5
165°	8	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.5
2.5°	4.8
5°	6.2
7.5°	8.0
10°	10.1
12.5°	12.4
15°	14.7
17.5°	17.1
20°	19.7
22.5°	22.3
25°	24.7
27.5°	26.9
30°	28.9
32.5°	31.3
35°	33.9
37.5°	36.0
40°	37.2
42.5°	37.1
45°	36.3
47.5°	35.9
50°	37.5
52.5°	41.7
55°	48.2
57.5°	54.4
60°	58.5
62.5°	59.8
65°	57.9
67.5°	53.2
70°	46.5
72.5°	39.8
75°	34.6
77.5°	31.5
80°	30.3
82.5°	30.5
85°	31.6
87.5°	33.0
90°	34.3
92.5°	35.4
95°	35.8
97.5°	35.5
100°	34.7
102.5°	33.4
105°	32.0
107.5°	30.6
110°	29.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	28.6
115°	27.7
117.5°	26.9
120°	26.1
122.5°	25.2
125°	24.1
127.5°	23.1
130°	22.0
132.5°	21.1
135°	20.0
137.5°	18.9
140°	17.9
142.5°	16.7
145°	15.6
147.5°	14.4
150°	13.4
152.5°	12.4
155°	11.3
157.5°	10.4
160°	9.5
162.5°	8.6
165°	7.6
167.5°	6.8
170°	5.8
172.5°	4.4
175°	2.4
177.5°	0.0
180°	0.0

(END OF REPORT)