

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: P1503501

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503501
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 (5000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

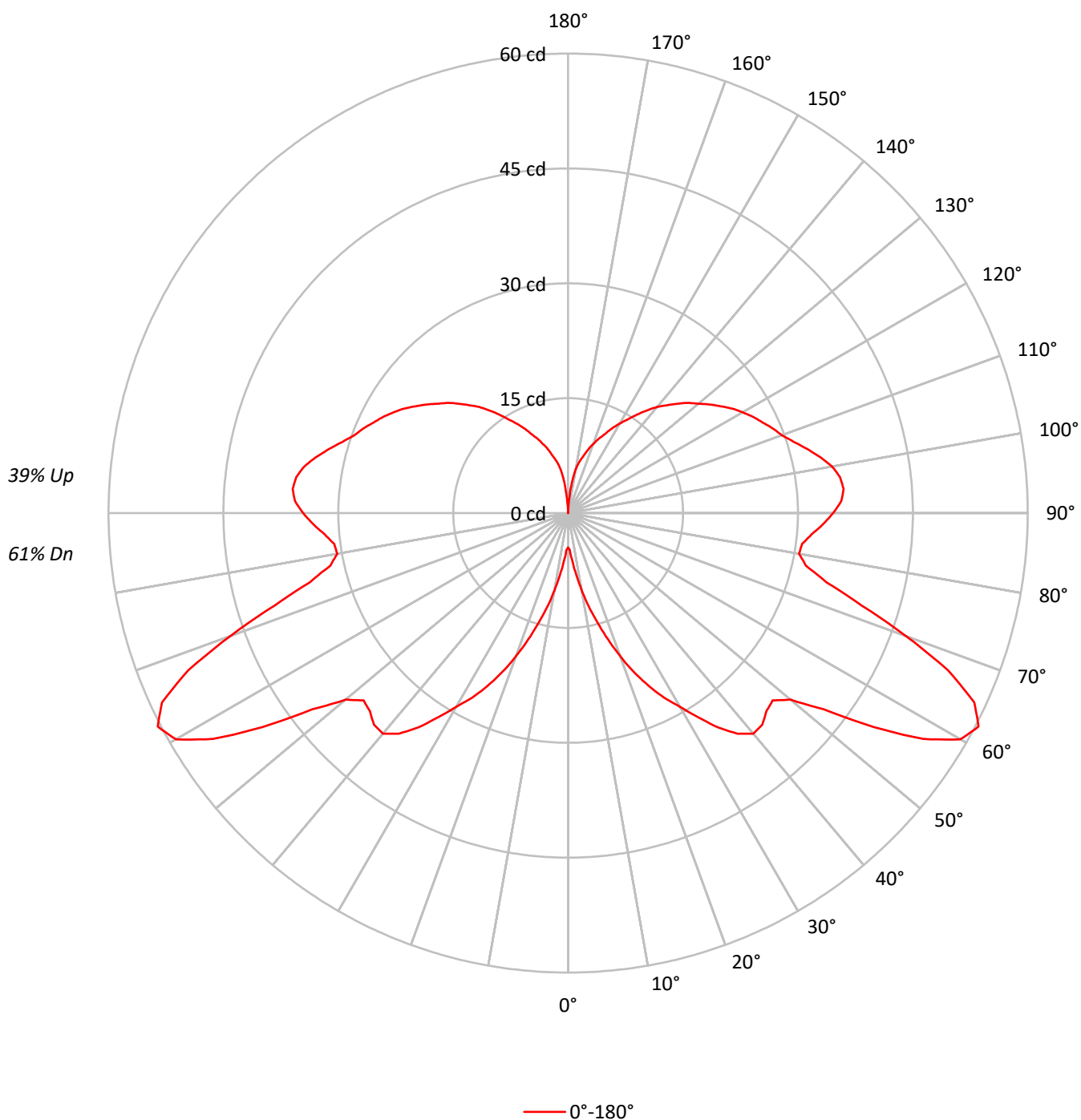
Lumens per Lamp: N/A
Luminaire Lumens: 396.2 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 5.23 / 5.23 / 4.45
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 6.5
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

TEST NUMBER: P1503501

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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°	340
10°	541
15°	777
20°	1042
25°	1310
30°	1556
35°	1861
40°	2106
45°	2129
50°	2311
55°	3146
60°	4091
65°	4398
70°	3891
75°	3257
80°	3291
85°	4086

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.2
10°-20°	4.4	1.1
20°-30°	11.6	2.9
30°-40°	21.4	5.4
40°-50°	28.7	7.2
50°-60°	43.8	11.0
60°-70°	55.9	14.1
70°-80°	38.5	9.7
80°-90°	35.1	8.9
90°-100°	38.8	9.8
100°-110°	34.2	8.6
110°-120°	27.8	7.0
120°-130°	21.8	5.5
130°-140°	15.7	4.0
140°-150°	9.9	2.5
150°-160°	5.4	1.4
160°-170°	2.3	0.6
170°-180°	0.3	0.1
0°-30°	16.7	4.2
0°-40°	38.1	9.6
0°-60°	110.5	27.9
0°-90°	239.9	60.6
90°-120°	100.9	25.5
90°-150°	148.3	37.4
90°-180°	156.0	39.4
0°-180°	396.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	6	1
15°	15	4
25°	25	12
35°	34	21
45°	37	29
55°	49	44
65°	58	56
75°	35	38
85°	32	26
90°	35	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°	6.3
7.5°	8.1
10°	10.2
12.5°	12.5
15°	14.8
17.5°	17.3
20°	19.9
22.5°	22.5
25°	24.9
27.5°	27.2
30°	29.2
32.5°	31.6
35°	34.2
37.5°	36.3
40°	37.6
42.5°	37.5
45°	36.6
47.5°	36.2
50°	37.9
52.5°	42.1
55°	48.7
57.5°	54.9
60°	59.1
62.5°	60.4
65°	58.5
67.5°	53.7
70°	46.9
72.5°	40.2
75°	34.9
77.5°	31.8
80°	30.6
82.5°	30.8
85°	31.9
87.5°	33.3
90°	34.6
92.5°	35.7
95°	36.1
97.5°	35.8
100°	35.0
102.5°	33.7
105°	32.3
107.5°	30.9
110°	29.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	28.9
115°	28.0
117.5°	27.2
120°	26.3
122.5°	25.4
125°	24.3
127.5°	23.3
130°	22.2
132.5°	21.3
135°	20.2
137.5°	19.1
140°	18.1
142.5°	16.9
145°	15.7
147.5°	14.5
150°	13.5
152.5°	12.5
155°	11.4
157.5°	10.5
160°	9.6
162.5°	8.7
165°	7.7
167.5°	6.9
170°	5.9
172.5°	4.4
175°	2.4
177.5°	0.0
180°	0.0

(END OF REPORT)