

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: P1503495

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (3500K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503495
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 (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

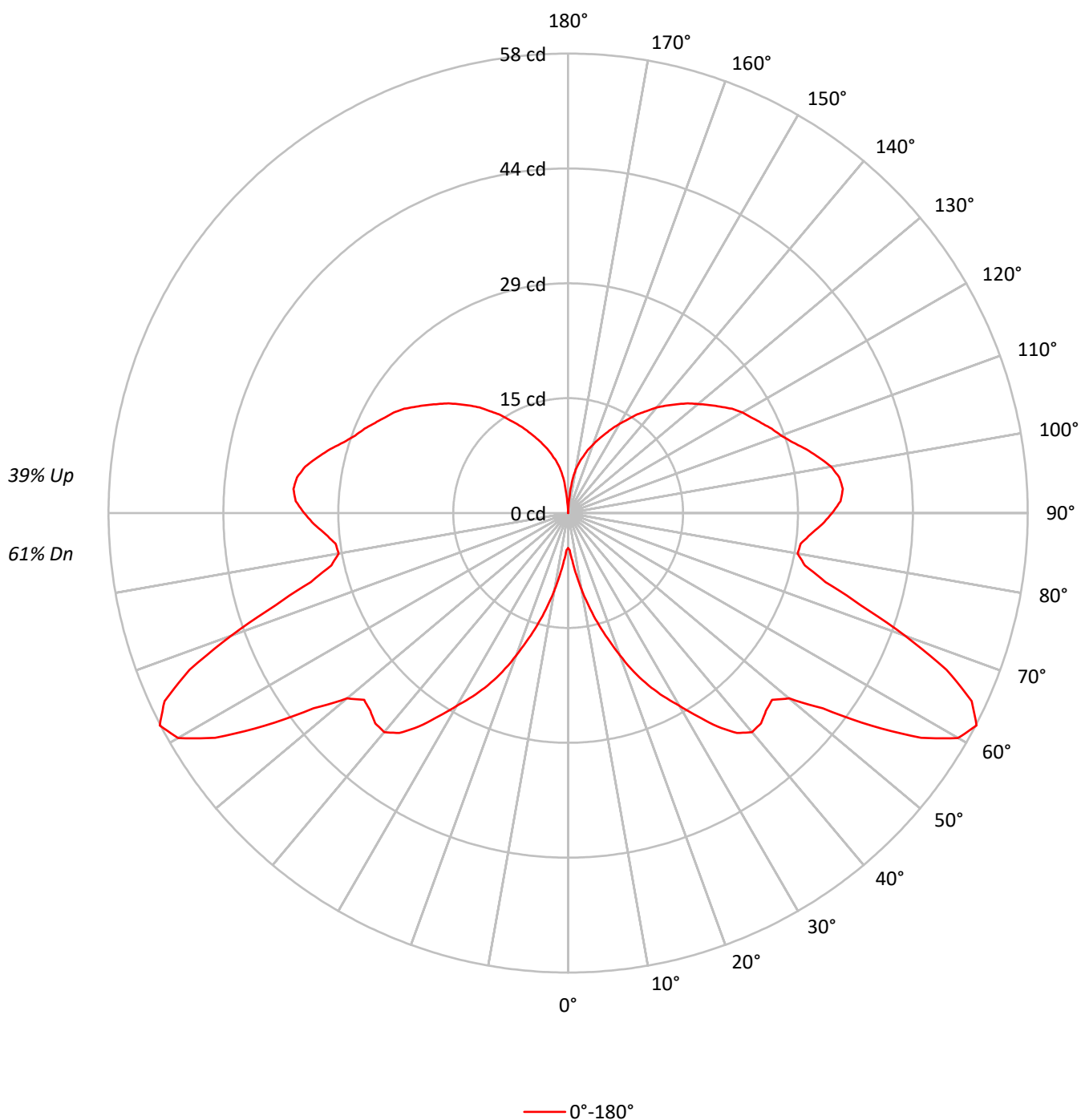
Lumens per Lamp: N/A
Luminaire Lumens: 381.3 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 5.21 / 5.21 / 4.43
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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

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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°	244
5°	324
10°	519
15°	750
20°	1000
25°	1263
30°	1498
35°	1790
40°	2022
45°	2054
50°	2220
55°	3023
60°	3932
65°	4225
70°	3750
75°	3135
80°	3162
85°	3932

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5322 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.2
10°-20°	4.2	1.1
20°-30°	11.2	2.9
30°-40°	20.6	5.4
40°-50°	27.6	7.2
50°-60°	42.1	11.0
60°-70°	53.8	14.1
70°-80°	37.0	9.7
80°-90°	33.8	8.9
90°-100°	37.4	9.8
100°-110°	32.9	8.6
110°-120°	26.8	7.0
120°-130°	21.1	5.5
130°-140°	15.1	4.0
140°-150°	9.6	2.5
150°-160°	5.2	1.4
160°-170°	2.2	0.6
170°-180°	0.3	0.1
0°-30°	16.1	4.2
0°-40°	36.6	9.6
0°-60°	106.3	27.9
0°-90°	230.8	60.5
90°-120°	97.1	25.5
90°-150°	142.8	37.5
90°-180°	150.0	39.3
0°-180°	381.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	6	1
15°	14	4
25°	24	11
35°	33	21
45°	35	28
55°	47	42
65°	56	54
75°	34	37
85°	31	25
90°	33	18
95°	35	28
105°	31	33
115°	27	27
125°	23	21
135°	19	15
145°	15	10
155°	11	5
165°	7	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.4
2.5°	4.7
5°	6.0
7.5°	7.8
10°	9.8
12.5°	12.0
15°	14.3
17.5°	16.6
20°	19.1
22.5°	21.7
25°	24.0
27.5°	26.1
30°	28.1
32.5°	30.4
35°	32.9
37.5°	35.0
40°	36.1
42.5°	36.0
45°	35.3
47.5°	34.9
50°	36.4
52.5°	40.5
55°	46.8
57.5°	52.8
60°	56.8
62.5°	58.1
65°	56.2
67.5°	51.7
70°	45.2
72.5°	38.7
75°	33.6
77.5°	30.6
80°	29.4
82.5°	29.6
85°	30.7
87.5°	32.1
90°	33.3
92.5°	34.4
95°	34.8
97.5°	34.5
100°	33.7
102.5°	32.4
105°	31.1
107.5°	29.7
110°	28.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	27.8
115°	26.9
117.5°	26.1
120°	25.4
122.5°	24.5
125°	23.4
127.5°	22.4
130°	21.4
132.5°	20.5
135°	19.4
137.5°	18.4
140°	17.4
142.5°	16.2
145°	15.2
147.5°	14.0
150°	13.0
152.5°	12.0
155°	11.0
157.5°	10.1
160°	9.2
162.5°	8.4
165°	7.4
167.5°	6.6
170°	5.6
172.5°	4.3
175°	2.3
177.5°	0.0
180°	0.0

(END OF REPORT)