

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: P1503500

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503500
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-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

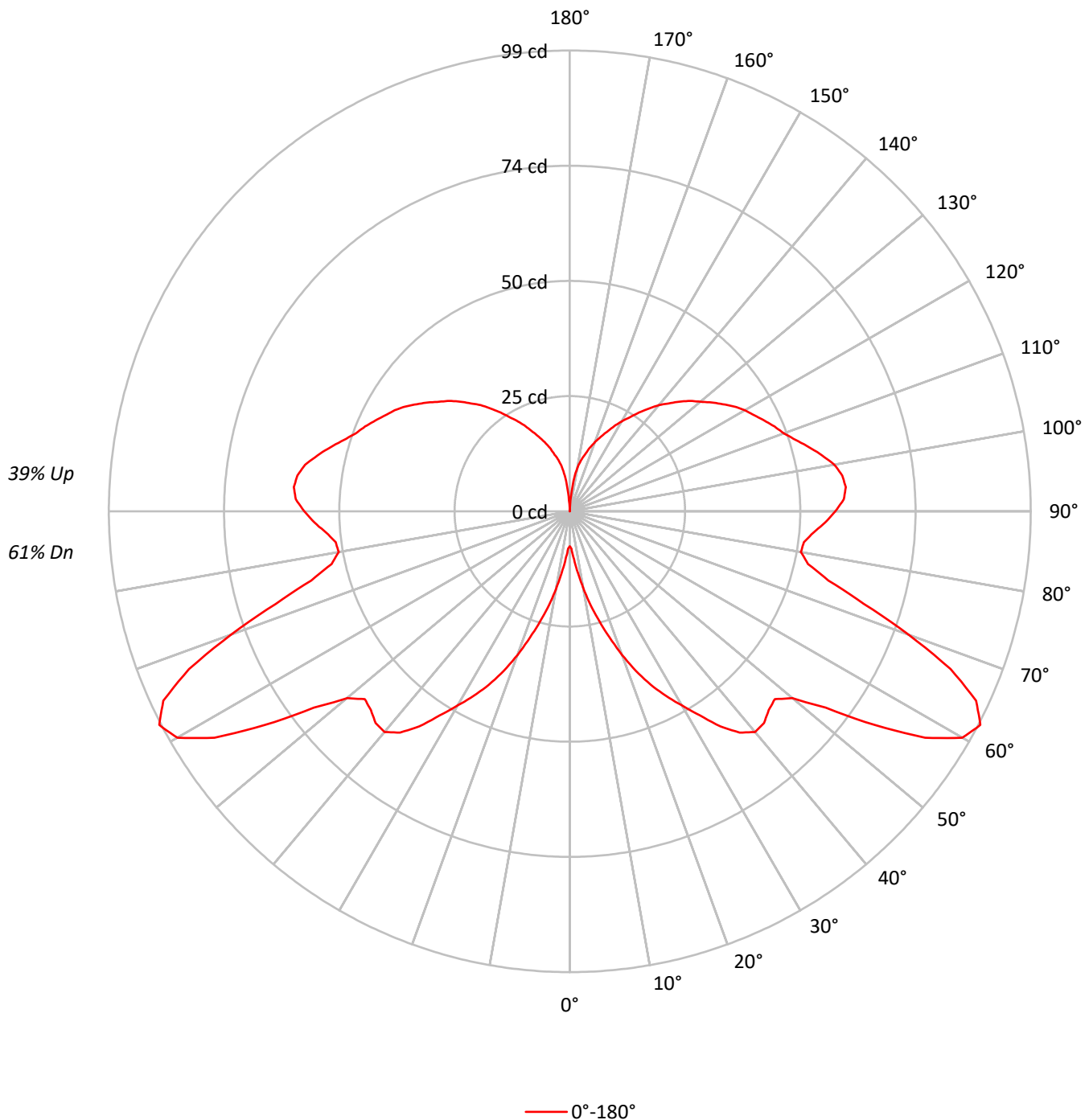
Lumens per Lamp: N/A
Luminaire Lumens: 652.7 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 5.21 / 5.21 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 10.8
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°	415
5°	556
10°	891
15°	1280
20°	1717
25°	2163
30°	2564
35°	3069
40°	3468
45°	3514
50°	3806
55°	5174
60°	6736
65°	7240
70°	6413
75°	5366
80°	5421
85°	6725

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 9109 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.2
10°-20°	7.2	1.1
20°-30°	19.1	2.9
30°-40°	35.2	5.4
40°-50°	47.2	7.2
50°-60°	72.0	11.0
60°-70°	92.1	14.1
70°-80°	63.4	9.7
80°-90°	57.8	8.9
90°-100°	64.0	9.8
100°-110°	56.3	8.6
110°-120°	45.8	7.0
120°-130°	36.0	5.5
130°-140°	25.8	4.0
140°-150°	16.4	2.5
150°-160°	8.9	1.4
160°-170°	3.7	0.6
170°-180°	0.6	0.1
0°-30°	27.5	4.2
0°-40°	62.7	9.6
0°-60°	182.0	27.9
0°-90°	395.2	60.5
90°-120°	166.2	25.5
90°-150°	244.4	37.4
90°-180°	258.0	39.5
0°-180°	652.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8	
5°	10	1
15°	24	7
25°	41	19
35°	56	35
45°	60	47
55°	80	72
65°	96	92
75°	58	63
85°	52	42
90°	57	31
95°	60	48
105°	53	56
115°	46	46
125°	40	36
135°	33	26
145°	26	16
155°	19	9
165°	13	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7.5
2.5°	8.0
5°	10.3
7.5°	13.3
10°	16.8
12.5°	20.6
15°	24.4
17.5°	28.4
20°	32.8
22.5°	37.1
25°	41.1
27.5°	44.7
30°	48.1
32.5°	52.0
35°	56.4
37.5°	59.9
40°	61.9
42.5°	61.7
45°	60.4
47.5°	59.7
50°	62.4
52.5°	69.3
55°	80.1
57.5°	90.5
60°	97.3
62.5°	99.4
65°	96.3
67.5°	88.5
70°	77.3
72.5°	66.2
75°	57.5
77.5°	52.4
80°	50.4
82.5°	50.7
85°	52.5
87.5°	54.9
90°	57.0
92.5°	58.9
95°	59.5
97.5°	59.0
100°	57.7
102.5°	55.5
105°	53.2
107.5°	50.9
110°	48.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.6
115°	46.1
117.5°	44.7
120°	43.4
122.5°	41.9
125°	40.1
127.5°	38.4
130°	36.6
132.5°	35.1
135°	33.3
137.5°	31.4
140°	29.8
142.5°	27.8
145°	25.9
147.5°	23.9
150°	22.3
152.5°	20.6
155°	18.8
157.5°	17.3
160°	15.8
162.5°	14.3
165°	12.6
167.5°	11.3
170°	9.6
172.5°	7.3
175°	4.0
177.5°	0.0
180°	0.0

(END OF REPORT)