

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: P1503497

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (4000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503497
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 (4000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

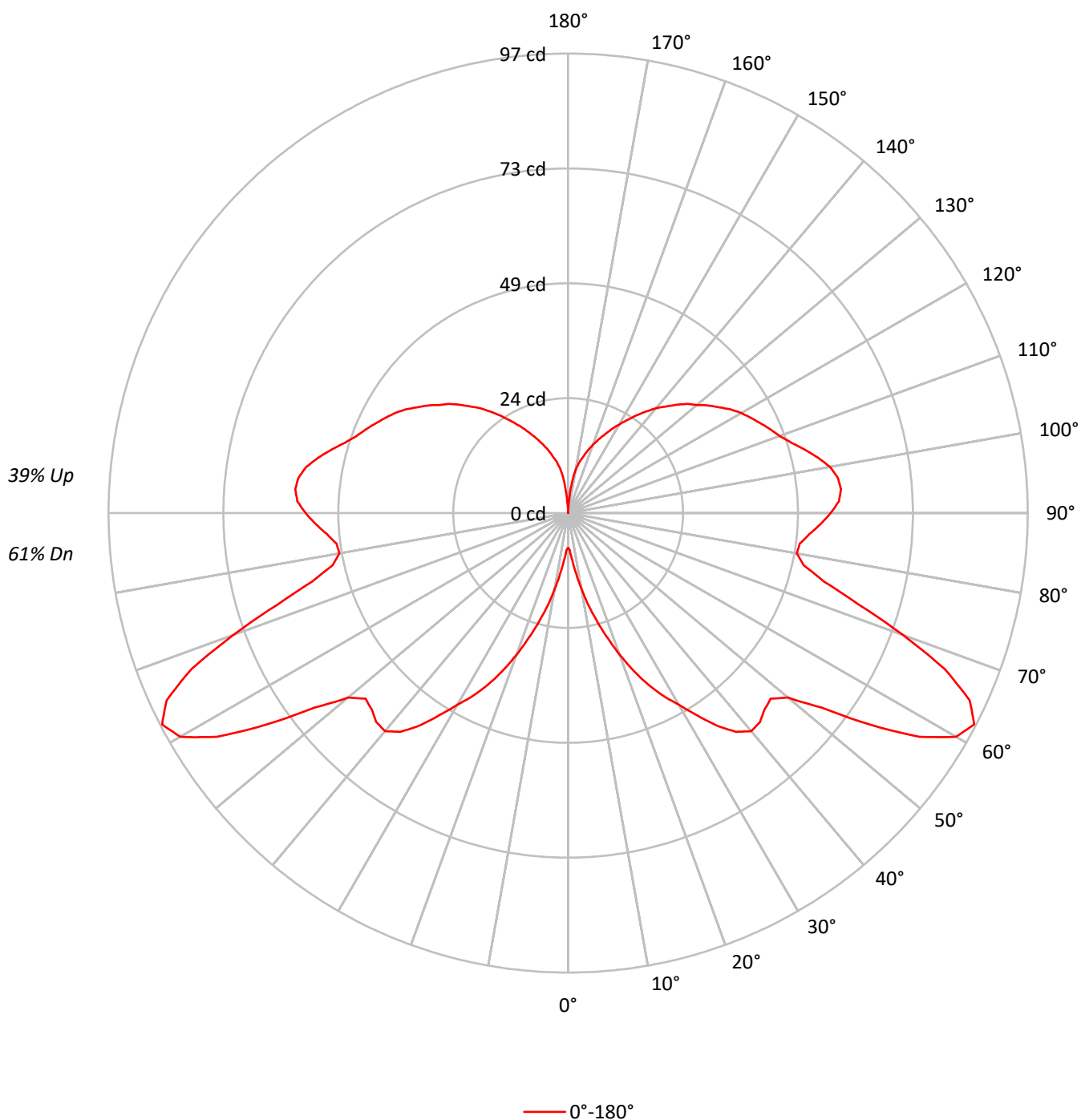
Lumens per Lamp: N/A
Luminaire Lumens: 634.2 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 5.21 / 5.21 / 4.43
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 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				0
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°	404
5°	540
10°	864
15°	1244
20°	1665
25°	2099
30°	2489
35°	2982
40°	3367
45°	3409
50°	3696
55°	5032
60°	6542
65°	7030
70°	6230
75°	5216
80°	5270
85°	6545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 8853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.2
10°-20°	7.0	1.1
20°-30°	18.6	2.9
30°-40°	34.3	5.4
40°-50°	45.8	7.2
50°-60°	70.0	11.0
60°-70°	89.4	14.1
70°-80°	61.6	9.7
80°-90°	56.2	8.9
90°-100°	62.2	9.8
100°-110°	54.8	8.6
110°-120°	44.5	7.0
120°-130°	35.0	5.5
130°-140°	25.1	4.0
140°-150°	15.9	2.5
150°-160°	8.6	1.4
160°-170°	3.6	0.6
170°-180°	0.5	0.1
0°-30°	26.7	4.2
0°-40°	60.9	9.6
0°-60°	176.8	27.9
0°-90°	384.0	60.5
90°-120°	161.5	25.5
90°-150°	237.5	37.4
90°-180°	250.0	39.4
0°-180°	634.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7	
5°	10	1
15°	24	7
25°	40	19
35°	55	34
45°	59	46
55°	78	70
65°	94	89
75°	56	62
85°	51	41
90°	55	30
95°	58	47
105°	52	55
115°	45	45
125°	39	35
135°	32	25
145°	25	16
155°	18	9
165°	12	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7.3
2.5°	7.8
5°	10.0
7.5°	12.9
10°	16.3
12.5°	20.0
15°	23.7
17.5°	27.6
20°	31.8
22.5°	36.0
25°	39.9
27.5°	43.5
30°	46.7
32.5°	50.6
35°	54.8
37.5°	58.2
40°	60.1
42.5°	59.9
45°	58.6
47.5°	58.0
50°	60.6
52.5°	67.4
55°	77.9
57.5°	87.9
60°	94.5
62.5°	96.6
65°	93.5
67.5°	86.0
70°	75.1
72.5°	64.3
75°	55.9
77.5°	50.9
80°	49.0
82.5°	49.3
85°	51.1
87.5°	53.3
90°	55.4
92.5°	57.2
95°	57.8
97.5°	57.4
100°	56.1
102.5°	54.0
105°	51.7
107.5°	49.4
110°	47.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.2
115°	44.8
117.5°	43.5
120°	42.2
122.5°	40.7
125°	38.9
127.5°	37.3
130°	35.5
132.5°	34.1
135°	32.3
137.5°	30.5
140°	28.9
142.5°	27.0
145°	25.2
147.5°	23.3
150°	21.6
152.5°	20.0
155°	18.3
157.5°	16.8
160°	15.3
162.5°	13.9
165°	12.3
167.5°	11.0
170°	9.4
172.5°	7.1
175°	3.9
177.5°	0.0
180°	0.0

(END OF REPORT)