

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: P1503498

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (4000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503498
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

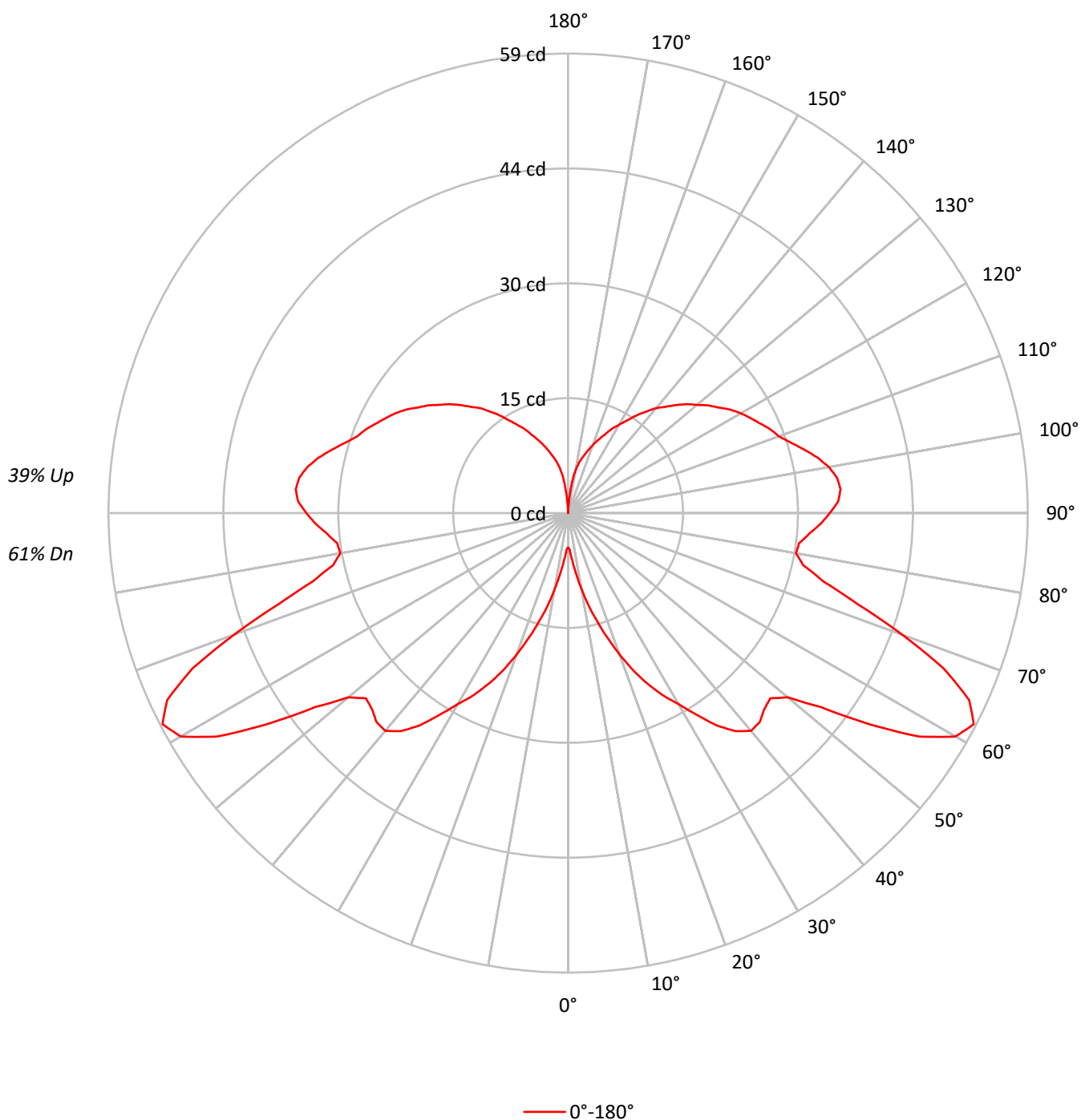
Lumens per Lamp: N/A
Luminaire Lumens: 385.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 6.5
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°	329
10°	525
15°	756
20°	1010
25°	1273
30°	1508
35°	1812
40°	2045
45°	2071
50°	2244
55°	3056
60°	3974
65°	4271
70°	3783
75°	3163
80°	3195
85°	3971

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5370 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°	11.3	2.9
30°-40°	20.8	5.4
40°-50°	27.8	7.2
50°-60°	42.5	11.0
60°-70°	54.3	14.1
70°-80°	37.3	9.7
80°-90°	34.1	8.9
90°-100°	37.8	9.8
100°-110°	33.2	8.6
110°-120°	27.0	7.0
120°-130°	21.3	5.5
130°-140°	15.2	4.0
140°-150°	9.7	2.5
150°-160°	5.2	1.4
160°-170°	2.2	0.6
170°-180°	0.3	0.1
0°-30°	16.2	4.2
0°-40°	37.0	9.6
0°-60°	107.4	27.9
0°-90°	233.1	60.5
90°-120°	98.0	25.5
90°-150°	144.2	37.4
90°-180°	152.0	39.5
0°-180°	385.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	6	1
15°	14	4
25°	24	11
35°	33	21
45°	36	28
55°	47	43
65°	57	54
75°	34	37
85°	31	25
90°	34	18
95°	35	28
105°	31	33
115°	27	27
125°	24	21
135°	20	15
145°	15	10
155°	11	5
165°	8	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.4
2.5°	4.7
5°	6.1
7.5°	7.8
10°	9.9
12.5°	12.2
15°	14.4
17.5°	16.8
20°	19.3
22.5°	21.9
25°	24.2
27.5°	26.4
30°	28.3
32.5°	30.7
35°	33.3
37.5°	35.3
40°	36.5
42.5°	36.4
45°	35.6
47.5°	35.2
50°	36.8
52.5°	40.9
55°	47.3
57.5°	53.4
60°	57.4
62.5°	58.7
65°	56.8
67.5°	52.2
70°	45.6
72.5°	39.0
75°	33.9
77.5°	30.9
80°	29.7
82.5°	29.9
85°	31.0
87.5°	32.4
90°	33.6
92.5°	34.7
95°	35.1
97.5°	34.8
100°	34.0
102.5°	32.8
105°	31.4
107.5°	30.0
110°	28.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	28.1
115°	27.2
117.5°	26.4
120°	25.6
122.5°	24.7
125°	23.6
127.5°	22.7
130°	21.6
132.5°	20.7
135°	19.6
137.5°	18.5
140°	17.6
142.5°	16.4
145°	15.3
147.5°	14.1
150°	13.1
152.5°	12.2
155°	11.1
157.5°	10.2
160°	9.3
162.5°	8.4
165°	7.5
167.5°	6.7
170°	5.7
172.5°	4.3
175°	2.4
177.5°	0.0
180°	0.0

(END OF REPORT)