

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: P1503492

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (3000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503492
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 (3000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

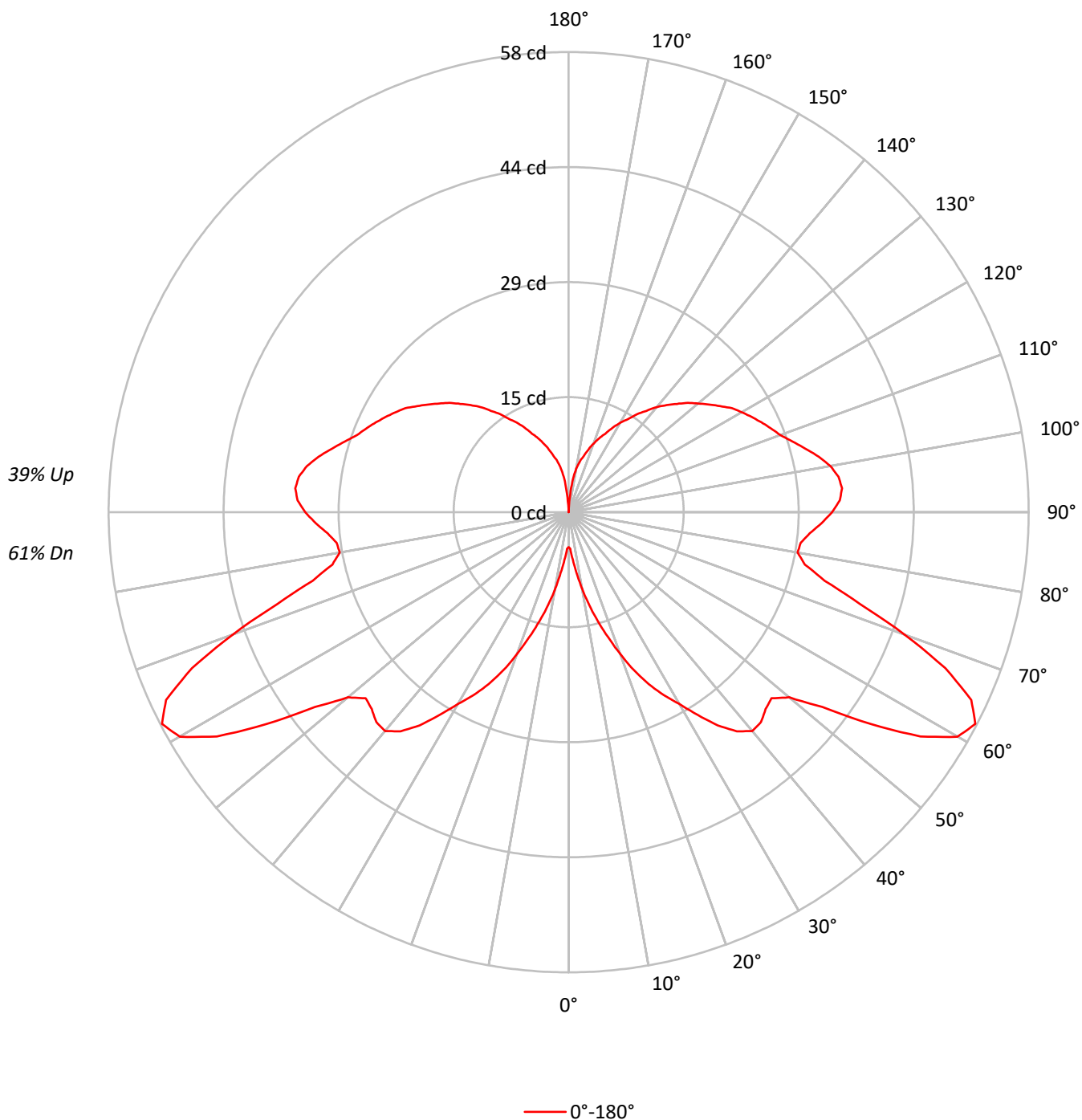
Lumens per Lamp: N/A
Luminaire Lumens: 379.5 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 5.2 / 5.2 / 4.43
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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				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°	244
5°	324
10°	519
15°	745
20°	995
25°	1258
30°	1487
35°	1785
40°	2017
45°	2042
50°	2214
55°	3010
60°	3918
65°	4210
70°	3733
75°	3117
80°	3151
85°	3907

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5306 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°	11.1	2.9
30°-40°	20.5	5.4
40°-50°	27.5	7.2
50°-60°	41.9	11.0
60°-70°	53.5	14.1
70°-80°	36.8	9.7
80°-90°	33.6	8.9
90°-100°	37.2	9.8
100°-110°	32.7	8.6
110°-120°	26.6	7.0
120°-130°	20.9	5.5
130°-140°	15.0	4.0
140°-150°	9.5	2.5
150°-160°	5.2	1.4
160°-170°	2.1	0.6
170°-180°	0.3	0.1
0°-30°	16.0	4.2
0°-40°	36.5	9.6
0°-60°	105.8	27.9
0°-90°	229.8	60.6
90°-120°	96.6	25.5
90°-150°	142.1	37.4
90°-180°	150.0	39.5
0°-180°	379.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	6	1
15°	14	4
25°	24	11
35°	33	20
45°	35	27
55°	47	42
65°	56	54
75°	33	37
85°	30	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°	4.6
5°	6.0
7.5°	7.7
10°	9.8
12.5°	12.0
15°	14.2
17.5°	16.5
20°	19.0
22.5°	21.6
25°	23.9
27.5°	26.0
30°	27.9
32.5°	30.3
35°	32.8
37.5°	34.8
40°	36.0
42.5°	35.9
45°	35.1
47.5°	34.7
50°	36.3
52.5°	40.3
55°	46.6
57.5°	52.6
60°	56.6
62.5°	57.8
65°	56.0
67.5°	51.4
70°	45.0
72.5°	38.5
75°	33.4
77.5°	30.5
80°	29.3
82.5°	29.5
85°	30.5
87.5°	31.9
90°	33.2
92.5°	34.2
95°	34.6
97.5°	34.3
100°	33.5
102.5°	32.3
105°	30.9
107.5°	29.6
110°	28.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	27.6
115°	26.8
117.5°	26.0
120°	25.2
122.5°	24.4
125°	23.3
127.5°	22.3
130°	21.3
132.5°	20.4
135°	19.3
137.5°	18.3
140°	17.3
142.5°	16.1
145°	15.1
147.5°	13.9
150°	13.0
152.5°	12.0
155°	10.9
157.5°	10.1
160°	9.2
162.5°	8.3
165°	7.3
167.5°	6.6
170°	5.6
172.5°	4.3
175°	2.3
177.5°	0.0
180°	0.0

(END OF REPORT)