

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: P1503513

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-2)
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-DIFF-VF (4000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

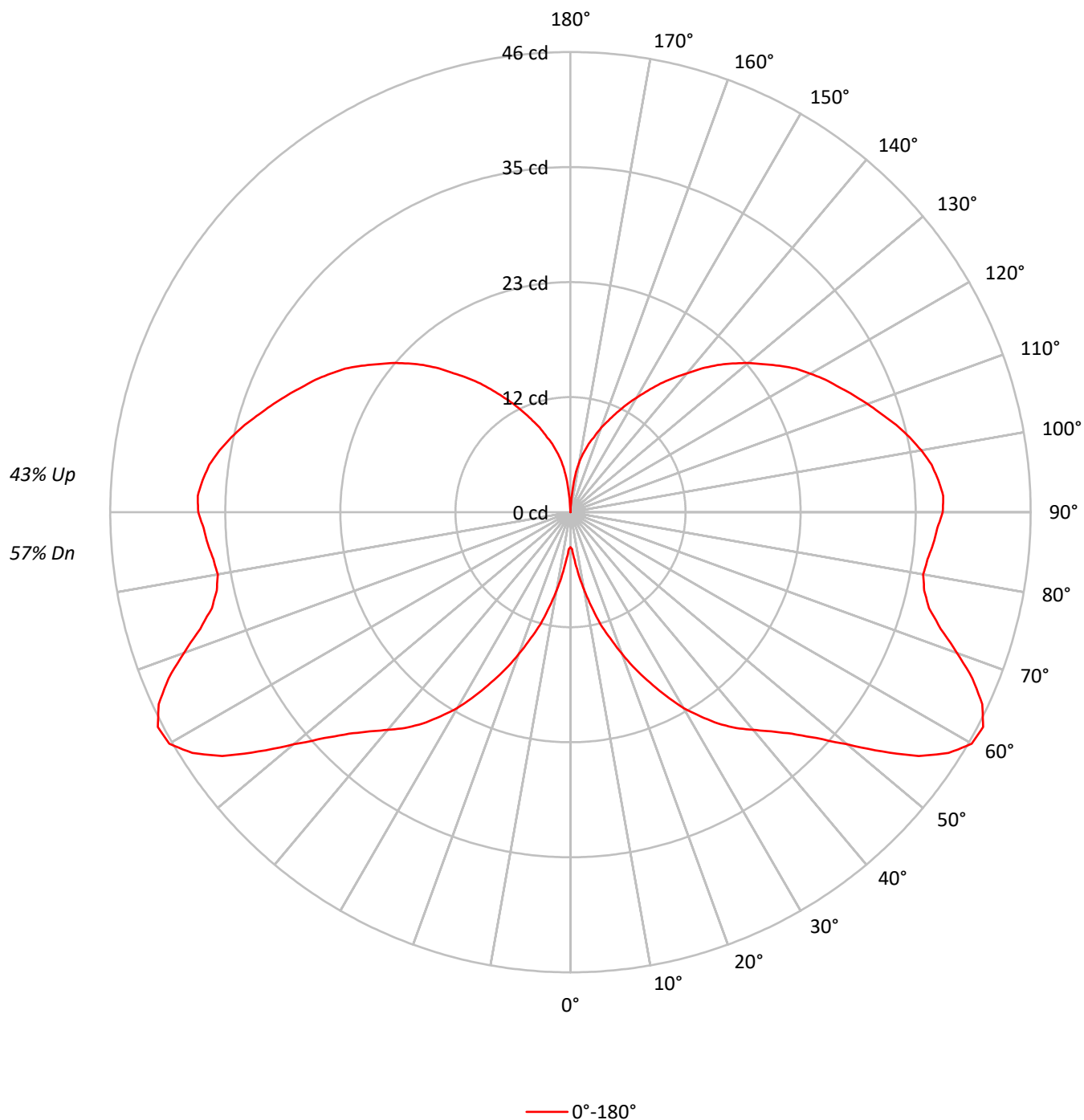
Lumens per Lamp: N/A
Luminaire Lumens: 376.8 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 5.38 / 5.38 / 4.77
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

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		
R																				
C	0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57	
R	1	94	87	81	75	86	80	75	70	68	64	60	57	54	51	47	44	42	37	
C	2	83	73	64	57	76	67	59	53	56	50	45	46	42	38	37	34	31	26	
R	3	74	62	52	44	68	57	48	41	47	41	35	39	34	29	31	27	23	19	
C	4	67	53	43	36	61	49	40	33	41	34	28	33	28	23	26	22	18	14	
R	5	61	46	36	29	55	43	34	27	36	28	23	29	23	19	23	18	15	11	
C	6	55	41	31	24	51	38	29	22	31	24	19	26	20	15	20	16	12	9	
R	7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	14	10	7	
C	8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6	
R	9	44	30	21	15	40	27	19	14	23	16	12	19	13	10	15	11	7	5	
C	10	40	27	19	13	37	25	17	12	21	15	10	17	12	8	14	9	6	4	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194
5°	259
10°	419
15°	609
20°	790
25°	989
30°	1205
35°	1404
40°	1591
45°	1821
50°	2202
55°	2745
60°	3205
65°	3413
70°	3410
75°	3462
80°	3851
85°	4662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5945 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.1
10°-20°	3.4	0.9
20°-30°	8.8	2.3
30°-40°	16.2	4.3
40°-50°	24.6	6.5
50°-60°	37.7	10.0
60°-70°	44.4	11.8
70°-80°	39.8	10.6
80°-90°	39.7	10.5
90°-100°	40.1	10.6
100°-110°	35.6	9.5
110°-120°	29.4	7.8
120°-130°	22.9	6.1
130°-140°	16.1	4.3
140°-150°	9.9	2.6
150°-160°	5.2	1.4
160°-170°	2.0	0.5
170°-180°	0.3	0.1
0°-30°	12.7	3.4
0°-40°	28.9	7.7
0°-60°	91.3	24.2
0°-90°	215.2	57.1
90°-120°	105.2	27.9
90°-150°	154.1	40.9
90°-180°	162.0	43.0
0°-180°	376.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	5	1
15°	12	3
25°	19	9
35°	26	16
45°	31	25
55°	42	38
65°	45	44
75°	37	40
85°	36	30
90°	37	20
95°	37	30
105°	34	36
115°	30	29
125°	26	23
135°	21	16
145°	16	10
155°	11	5
165°	7	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3.5
2.5°	3.7
5°	4.8
7.5°	6.3
10°	7.9
12.5°	9.6
15°	11.6
17.5°	13.2
20°	15.1
22.5°	17.0
25°	18.8
27.5°	20.7
30°	22.6
32.5°	24.2
35°	25.8
37.5°	27.2
40°	28.4
42.5°	29.7
45°	31.3
47.5°	33.4
50°	36.1
52.5°	39.3
55°	42.5
57.5°	44.8
60°	46.3
62.5°	46.5
65°	45.4
67.5°	43.5
70°	41.1
72.5°	38.8
75°	37.1
77.5°	36.2
80°	35.8
82.5°	36.0
85°	36.4
87.5°	36.7
90°	37.2
92.5°	37.3
95°	36.9
97.5°	36.4
100°	35.6
102.5°	34.7
105°	33.7
107.5°	32.6
110°	31.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	30.6
115°	29.6
117.5°	28.7
120°	27.7
122.5°	26.7
125°	25.5
127.5°	24.3
130°	23.2
132.5°	22.0
135°	20.8
137.5°	19.5
140°	18.1
142.5°	16.9
145°	15.7
147.5°	14.4
150°	13.2
152.5°	12.1
155°	11.0
157.5°	9.9
160°	9.0
162.5°	7.9
165°	7.1
167.5°	6.1
170°	5.1
172.5°	3.8
175°	2.1
177.5°	0.1
180°	0.0

(END OF REPORT)