

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: P1503511

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (3500K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503511
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 (3500K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

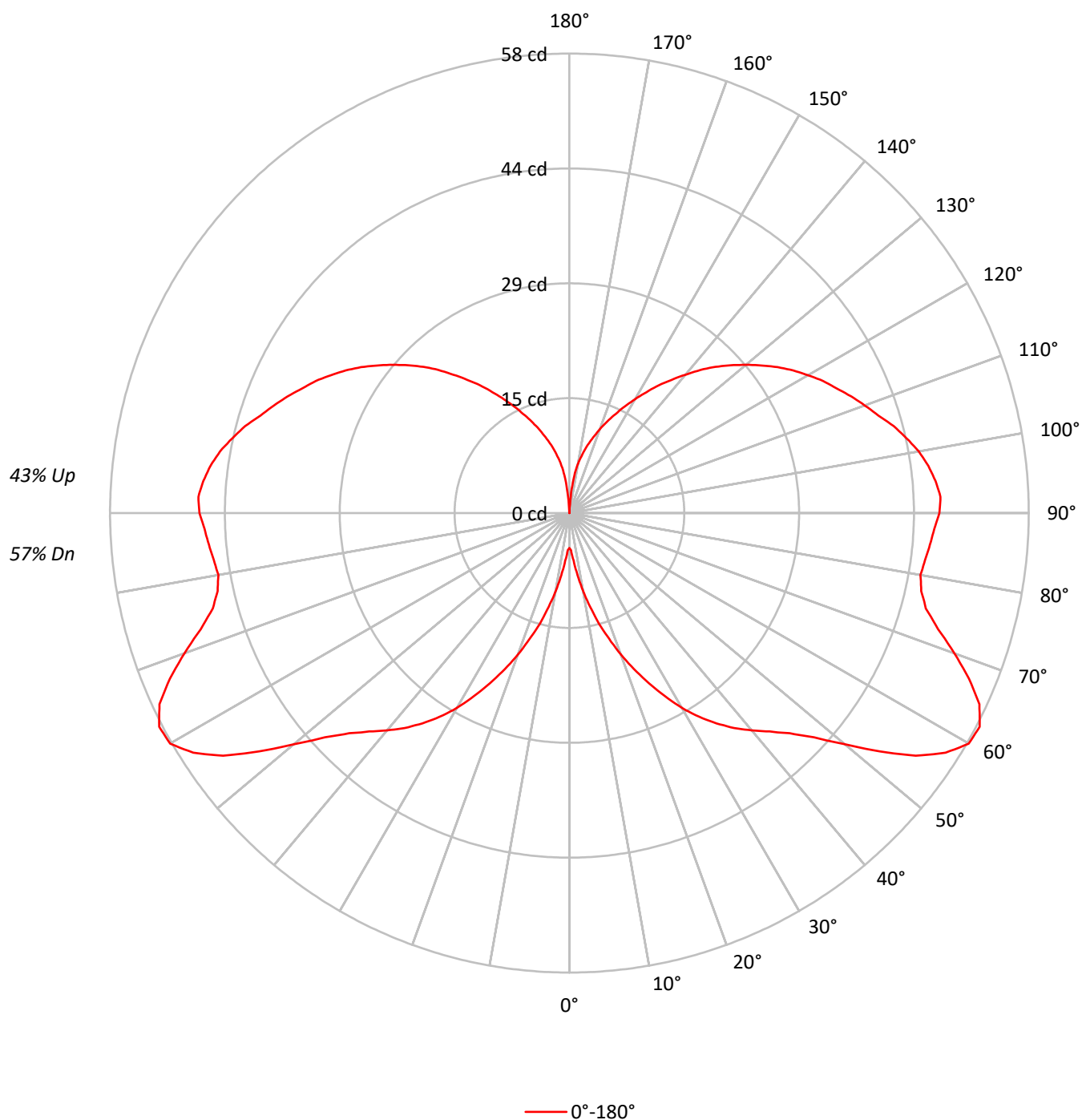
Lumens per Lamp: N/A
Luminaire Lumens: 473.5 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 5.39 / 5.39 / 4.77
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 8.2
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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57		
1	94	87	81	75	86	80	75	70	68	64	60	57	54	51	47	44	42	37		
2	83	73	64	57	76	67	59	53	56	50	45	46	42	38	37	34	31	26		
3	74	62	52	44	68	57	48	41	47	41	35	39	34	29	31	27	23	19		
4	67	53	43	36	61	49	40	33	41	34	28	33	28	23	26	22	18	14		
5	61	46	36	29	55	43	34	27	36	28	23	29	23	19	23	18	15	11		
6	55	41	31	24	51	38	29	22	31	24	19	26	20	15	20	16	12	9		
7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	14	10	7		
8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6		
9	44	30	21	15	40	27	19	14	23	16	12	19	13	10	15	11	7	5		
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°	244
5°	324
10°	530
15°	761
20°	995
25°	1247
30°	1514
35°	1763
40°	2006
45°	2286
50°	2769
55°	3450
60°	4029
65°	4293
70°	4289
75°	4348
80°	4840
85°	5854

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 7463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.1
10°-20°	4.2	0.9
20°-30°	11.1	2.3
30°-40°	20.4	4.3
40°-50°	30.9	6.5
50°-60°	47.4	10.0
60°-70°	55.8	11.8
70°-80°	50.0	10.6
80°-90°	49.9	10.5
90°-100°	50.4	10.6
100°-110°	44.8	9.5
110°-120°	37.0	7.8
120°-130°	28.8	6.1
130°-140°	20.2	4.3
140°-150°	12.4	2.6
150°-160°	6.5	1.4
160°-170°	2.6	0.5
170°-180°	0.4	0.1
0°-30°	16.0	3.4
0°-40°	36.4	7.7
0°-60°	114.7	24.2
0°-90°	270.5	57.1
90°-120°	132.2	27.9
90°-150°	193.6	40.9
90°-180°	203.0	42.9
0°-180°	473.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	6	1
15°	14	4
25°	24	11
35°	32	20
45°	39	31
55°	53	47
65°	57	56
75°	47	50
85°	46	37
90°	47	26
95°	46	38
105°	42	45
115°	37	37
125°	32	29
135°	26	20
145°	20	12
155°	14	6
165°	9	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.4
2.5°	4.7
5°	6.0
7.5°	7.9
10°	10.0
12.5°	12.1
15°	14.5
17.5°	16.6
20°	19.0
22.5°	21.3
25°	23.7
27.5°	26.0
30°	28.4
32.5°	30.5
35°	32.4
37.5°	34.2
40°	35.8
42.5°	37.4
45°	39.3
47.5°	41.9
50°	45.4
52.5°	49.4
55°	53.4
57.5°	56.3
60°	58.2
62.5°	58.4
65°	57.1
67.5°	54.6
70°	51.7
72.5°	48.8
75°	46.6
77.5°	45.5
80°	45.0
82.5°	45.3
85°	45.7
87.5°	46.1
90°	46.7
92.5°	46.9
95°	46.4
97.5°	45.7
100°	44.8
102.5°	43.6
105°	42.4
107.5°	40.9
110°	39.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.5
115°	37.2
117.5°	36.1
120°	34.8
122.5°	33.5
125°	32.1
127.5°	30.6
130°	29.1
132.5°	27.6
135°	26.1
137.5°	24.5
140°	22.8
142.5°	21.2
145°	19.7
147.5°	18.1
150°	16.6
152.5°	15.2
155°	13.8
157.5°	12.5
160°	11.3
162.5°	10.0
165°	8.9
167.5°	7.6
170°	6.4
172.5°	4.8
175°	2.6
177.5°	0.1
180°	0.0

(END OF REPORT)