

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: P1503512

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503512
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-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

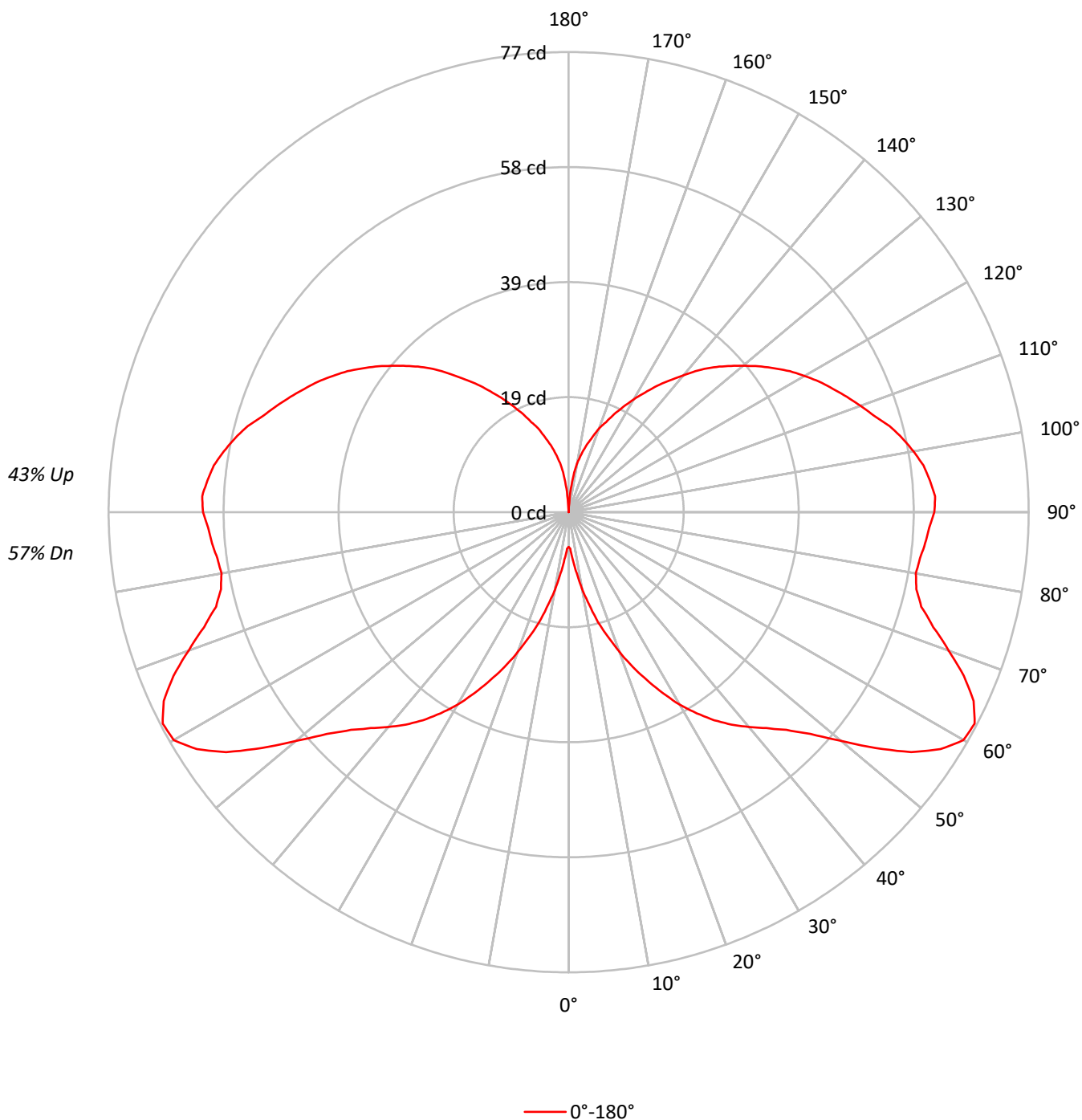
Lumens per Lamp: N/A
Luminaire Lumens: 620.6 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 5.37 / 5.37 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

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			
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°	321
5°	426
10°	694
15°	1002
20°	1303
25°	1631
30°	1983
35°	2313
40°	2627
45°	2996
50°	3629
55°	4522
60°	5282
65°	5624
70°	5616
75°	5701
80°	6346
85°	7673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 9780 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.1
10°-20°	5.5	0.9
20°-30°	14.5	2.3
30°-40°	26.7	4.3
40°-50°	40.5	6.5
50°-60°	62.2	10.0
60°-70°	73.1	11.8
70°-80°	65.6	10.6
80°-90°	65.4	10.5
90°-100°	66.0	10.6
100°-110°	58.7	9.5
110°-120°	48.5	7.8
120°-130°	37.7	6.1
130°-140°	26.6	4.3
140°-150°	16.3	2.6
150°-160°	8.5	1.4
160°-170°	3.4	0.5
170°-180°	0.5	0.1
0°-30°	21.0	3.4
0°-40°	47.7	7.7
0°-60°	150.4	24.2
0°-90°	354.5	57.1
90°-120°	173.2	27.9
90°-150°	253.7	40.9
90°-180°	266.0	42.9
0°-180°	620.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	19	6
25°	31	15
35°	42	27
45°	52	41
55°	70	62
65°	75	73
75°	61	66
85°	60	49
90°	61	33
95°	61	49
105°	56	59
115°	49	49
125°	42	38
135°	34	27
145°	26	16
155°	18	9
165°	12	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	5.8
2.5°	6.1
5°	7.9
7.5°	10.3
10°	13.1
12.5°	15.8
15°	19.1
17.5°	21.8
20°	24.9
22.5°	28.0
25°	31.0
27.5°	34.1
30°	37.2
32.5°	39.9
35°	42.5
37.5°	44.8
40°	46.9
42.5°	49.0
45°	51.5
47.5°	54.9
50°	59.5
52.5°	64.8
55°	70.0
57.5°	73.8
60°	76.3
62.5°	76.6
65°	74.8
67.5°	71.6
70°	67.7
72.5°	64.0
75°	61.1
77.5°	59.6
80°	59.0
82.5°	59.3
85°	59.9
87.5°	60.4
90°	61.2
92.5°	61.4
95°	60.7
97.5°	59.9
100°	58.6
102.5°	57.2
105°	55.6
107.5°	53.6
110°	52.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.4
115°	48.8
117.5°	47.3
120°	45.6
122.5°	43.9
125°	42.0
127.5°	40.1
130°	38.1
132.5°	36.2
135°	34.3
137.5°	32.2
140°	29.9
142.5°	27.8
145°	25.8
147.5°	23.7
150°	21.8
152.5°	19.9
155°	18.1
157.5°	16.3
160°	14.9
162.5°	13.1
165°	11.6
167.5°	10.0
170°	8.4
172.5°	6.3
175°	3.4
177.5°	0.2
180°	0.0

(END OF REPORT)