

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: P1503514

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503514
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-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

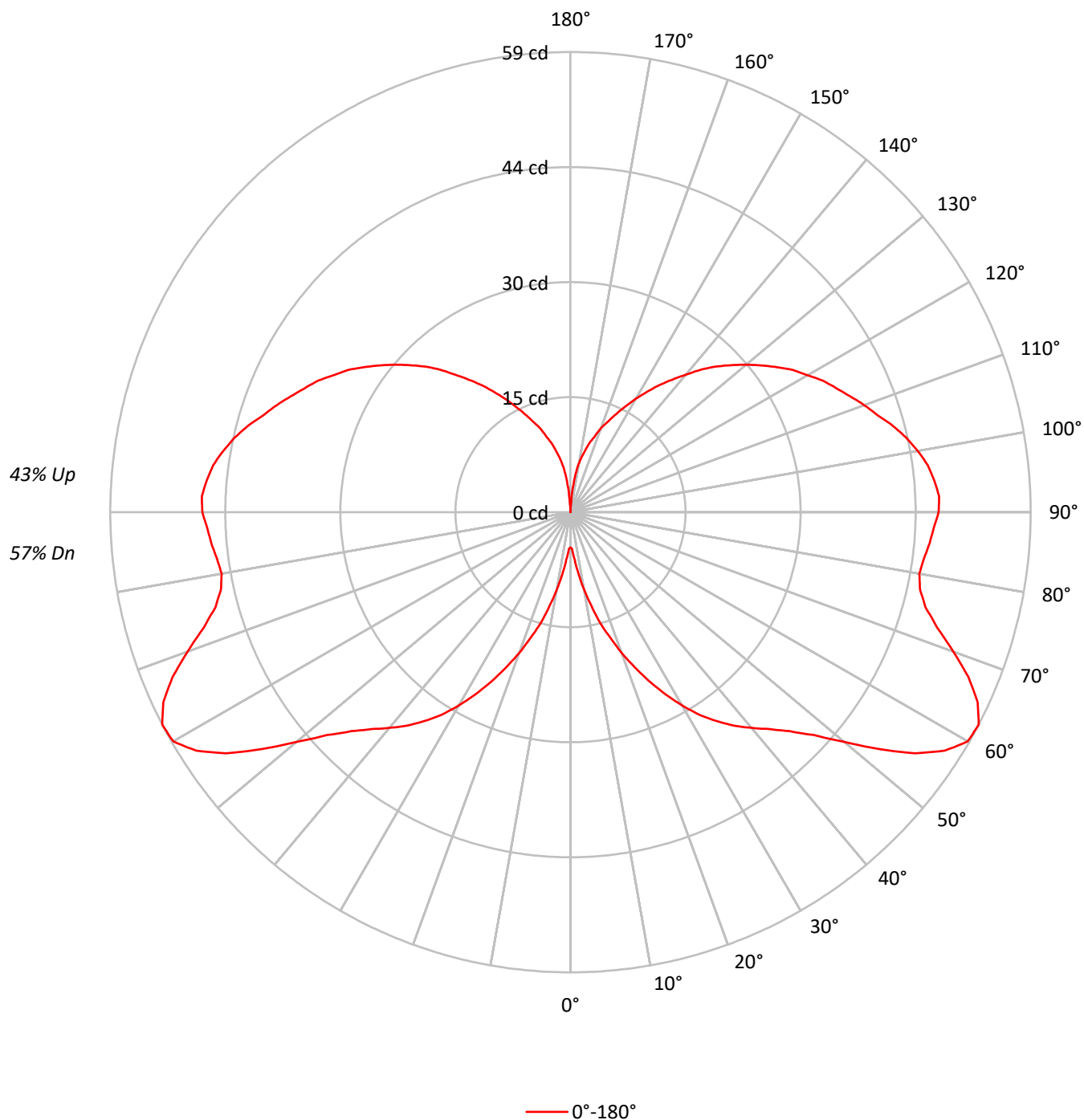
Lumens per Lamp: N/A
Luminaire Lumens: 478.2 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 5.36 / 5.36 / 4.75
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

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°	249
5°	329
10°	535
15°	771
20°	1005
25°	1258
30°	1524
35°	1779
40°	2022
45°	2310
50°	2793
55°	3482
60°	4071
65°	4331
70°	4330
75°	4395
80°	4883
85°	5918

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 7543 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.1
10°-20°	4.3	0.9
20°-30°	11.2	2.3
30°-40°	20.6	4.3
40°-50°	31.2	6.5
50°-60°	47.9	10.0
60°-70°	56.4	11.8
70°-80°	50.5	10.6
80°-90°	50.4	10.5
90°-100°	50.9	10.6
100°-110°	45.2	9.5
110°-120°	37.4	7.8
120°-130°	29.1	6.1
130°-140°	20.5	4.3
140°-150°	12.6	2.6
150°-160°	6.5	1.4
160°-170°	2.6	0.5
170°-180°	0.4	0.1
0°-30°	16.2	3.4
0°-40°	36.7	7.7
0°-60°	115.8	24.2
0°-90°	273.1	57.1
90°-120°	133.5	27.9
90°-150°	195.6	40.9
90°-180°	205.0	42.9
0°-180°	478.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	6	1
15°	15	4
25°	24	11
35°	33	21
45°	40	31
55°	54	48
65°	58	56
75°	47	51
85°	46	38
90°	47	26
95°	47	38
105°	43	45
115°	38	37
125°	32	29
135°	26	20
145°	20	13
155°	14	7
165°	9	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.5
2.5°	4.7
5°	6.1
7.5°	8.0
10°	10.1
12.5°	12.2
15°	14.7
17.5°	16.8
20°	19.2
22.5°	21.5
25°	23.9
27.5°	26.3
30°	28.6
32.5°	30.8
35°	32.7
37.5°	34.5
40°	36.1
42.5°	37.7
45°	39.7
47.5°	42.3
50°	45.8
52.5°	49.9
55°	53.9
57.5°	56.9
60°	58.8
62.5°	59.0
65°	57.6
67.5°	55.2
70°	52.2
72.5°	49.3
75°	47.1
77.5°	45.9
80°	45.4
82.5°	45.7
85°	46.2
87.5°	46.6
90°	47.2
92.5°	47.3
95°	46.8
97.5°	46.2
100°	45.2
102.5°	44.1
105°	42.8
107.5°	41.3
110°	40.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.8
115°	37.6
117.5°	36.5
120°	35.1
122.5°	33.9
125°	32.4
127.5°	30.9
130°	29.4
132.5°	27.9
135°	26.4
137.5°	24.8
140°	23.0
142.5°	21.4
145°	19.9
147.5°	18.3
150°	16.8
152.5°	15.3
155°	13.9
157.5°	12.6
160°	11.5
162.5°	10.1
165°	9.0
167.5°	7.7
170°	6.5
172.5°	4.9
175°	2.6
177.5°	0.1
180°	0.0

(END OF REPORT)