

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: P1503517

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503517
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

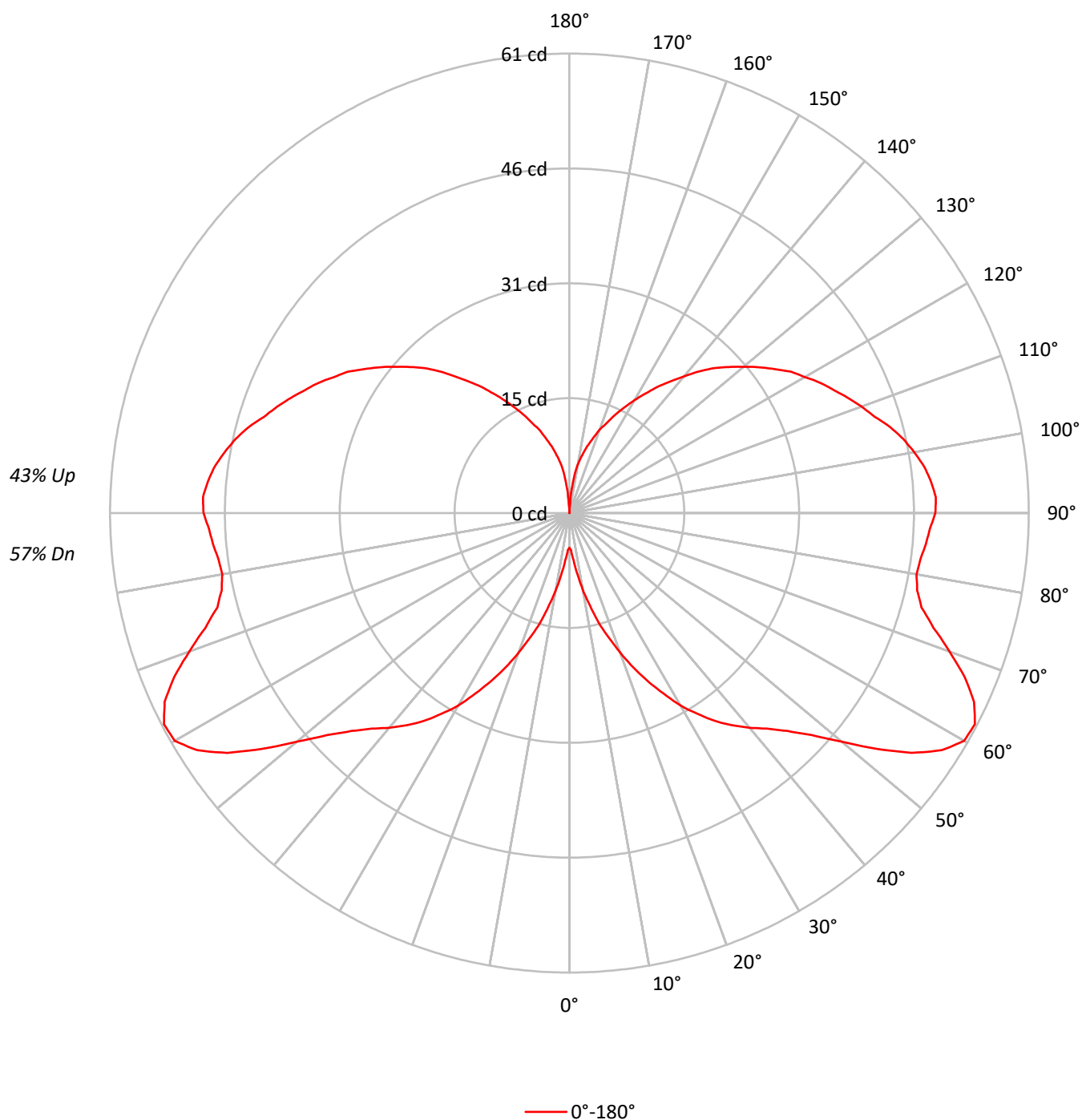
Lumens per Lamp: N/A
Luminaire Lumens: 492.2 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 5.37 / 5.37 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 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°	255
5°	340
10°	551
15°	792
20°	1031
25°	1294
30°	1572
35°	1834
40°	2084
45°	2379
50°	2879
55°	3585
60°	4188
65°	4459
70°	4455
75°	4516
80°	5034
85°	6084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 7767 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.1
10°-20°	4.4	0.9
20°-30°	11.5	2.3
30°-40°	21.2	4.3
40°-50°	32.1	6.5
50°-60°	49.3	10.0
60°-70°	58.0	11.8
70°-80°	52.0	10.6
80°-90°	51.9	10.5
90°-100°	52.4	10.6
100°-110°	46.5	9.5
110°-120°	38.5	7.8
120°-130°	29.9	6.1
130°-140°	21.0	4.3
140°-150°	12.9	2.6
150°-160°	6.7	1.4
160°-170°	2.7	0.5
170°-180°	0.4	0.1
0°-30°	16.6	3.4
0°-40°	37.8	7.7
0°-60°	119.3	24.2
0°-90°	281.1	57.1
90°-120°	137.4	27.9
90°-150°	201.3	40.9
90°-180°	211.0	42.9
0°-180°	492.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5	
5°	6	1
15°	15	4
25°	25	12
35°	34	21
45°	41	32
55°	56	49
65°	59	58
75°	48	52
85°	48	39
90°	49	27
95°	48	39
105°	44	47
115°	39	38
125°	33	30
135°	27	21
145°	20	13
155°	14	7
165°	9	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.6
2.5°	4.9
5°	6.3
7.5°	8.2
10°	10.4
12.5°	12.6
15°	15.1
17.5°	17.3
20°	19.7
22.5°	22.2
25°	24.6
27.5°	27.0
30°	29.5
32.5°	31.6
35°	33.7
37.5°	35.5
40°	37.2
42.5°	38.8
45°	40.9
47.5°	43.6
50°	47.2
52.5°	51.4
55°	55.5
57.5°	58.6
60°	60.5
62.5°	60.7
65°	59.3
67.5°	56.8
70°	53.7
72.5°	50.7
75°	48.4
77.5°	47.3
80°	46.8
82.5°	47.0
85°	47.5
87.5°	47.9
90°	48.6
92.5°	48.7
95°	48.2
97.5°	47.5
100°	46.5
102.5°	45.4
105°	44.1
107.5°	42.5
110°	41.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	40.0
115°	38.7
117.5°	37.5
120°	36.1
122.5°	34.9
125°	33.3
127.5°	31.8
130°	30.2
132.5°	28.7
135°	27.2
137.5°	25.5
140°	23.7
142.5°	22.0
145°	20.5
147.5°	18.8
150°	17.3
152.5°	15.8
155°	14.4
157.5°	12.9
160°	11.8
162.5°	10.4
165°	9.2
167.5°	7.9
170°	6.7
172.5°	5.0
175°	2.7
177.5°	0.1
180°	0.0

(END OF REPORT)