

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: P1503508

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503508
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 (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

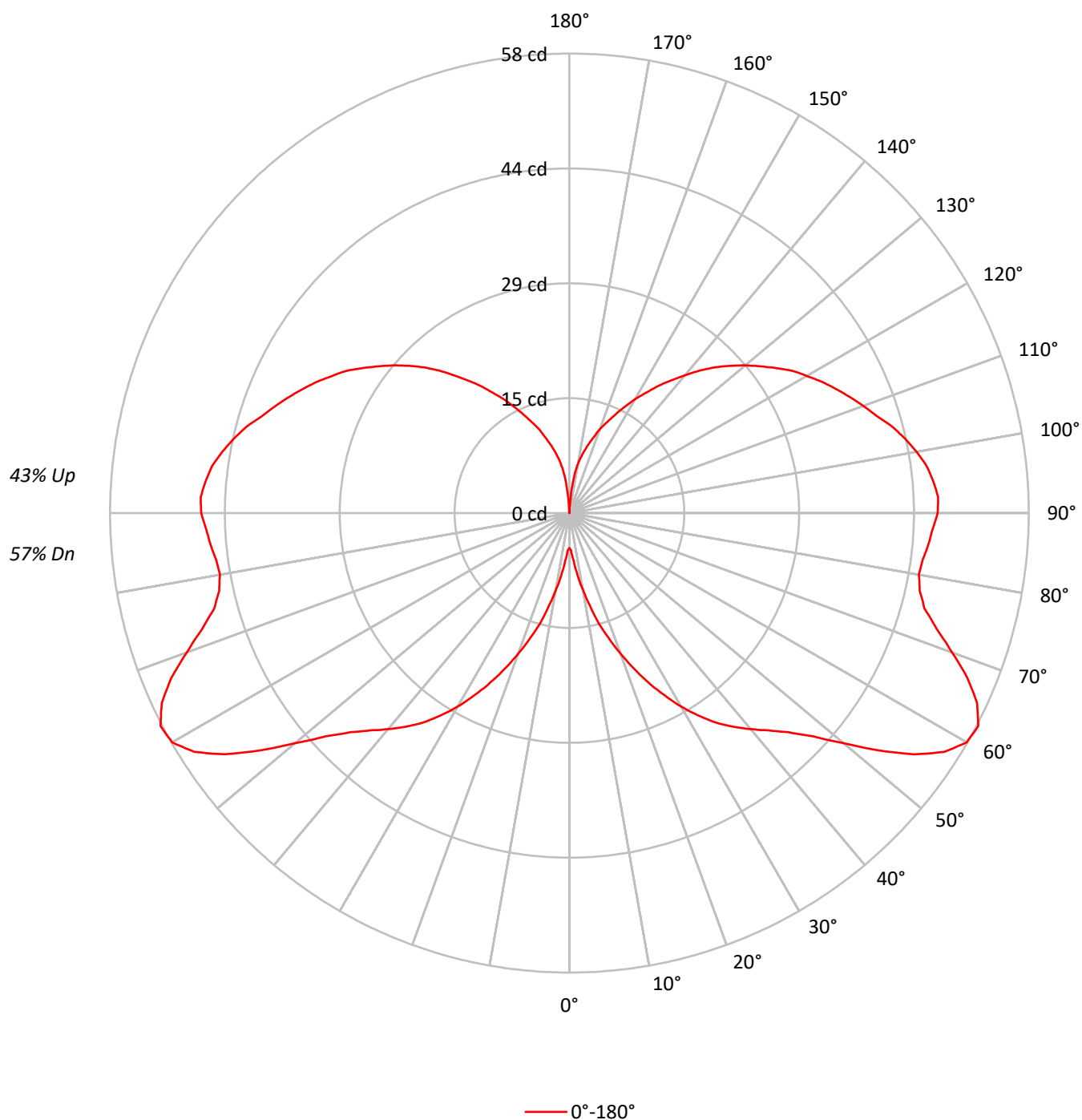
Lumens per Lamp: N/A
Luminaire Lumens: 471.2 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 5.37 / 5.37 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 8.3
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°	525
15°	761
20°	989
25°	1242
30°	1503
35°	1758
40°	1994
45°	2275
50°	2757
55°	3430
60°	4008
65°	4271
70°	4264
75°	4330
80°	4819
85°	5828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 7431 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°	11.0	2.3
30°-40°	20.3	4.3
40°-50°	30.8	6.5
50°-60°	47.2	10.0
60°-70°	55.6	11.8
70°-80°	49.8	10.6
80°-90°	49.7	10.5
90°-100°	50.1	10.6
100°-110°	44.5	9.4
110°-120°	36.8	7.8
120°-130°	28.6	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°	15.9	3.4
0°-40°	36.2	7.7
0°-60°	114.2	24.2
0°-90°	269.2	57.1
90°-120°	131.5	27.9
90°-150°	192.7	40.9
90°-180°	202.0	42.9
0°-180°	471.2	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°	46	50
85°	46	37
90°	46	25
95°	46	37
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°	9.9
12.5°	12.0
15°	14.5
17.5°	16.6
20°	18.9
22.5°	21.2
25°	23.6
27.5°	25.9
30°	28.2
32.5°	30.3
35°	32.3
37.5°	34.0
40°	35.6
42.5°	37.2
45°	39.1
47.5°	41.7
50°	45.2
52.5°	49.2
55°	53.1
57.5°	56.1
60°	57.9
62.5°	58.2
65°	56.8
67.5°	54.4
70°	51.4
72.5°	48.6
75°	46.4
77.5°	45.3
80°	44.8
82.5°	45.0
85°	45.5
87.5°	45.9
90°	46.5
92.5°	46.6
95°	46.1
97.5°	45.5
100°	44.5
102.5°	43.4
105°	42.2
107.5°	40.7
110°	39.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.3
115°	37.1
117.5°	35.9
120°	34.6
122.5°	33.4
125°	31.9
127.5°	30.4
130°	29.0
132.5°	27.5
135°	26.0
137.5°	24.4
140°	22.7
142.5°	21.1
145°	19.6
147.5°	18.0
150°	16.6
152.5°	15.1
155°	13.7
157.5°	12.4
160°	11.3
162.5°	9.9
165°	8.8
167.5°	7.6
170°	6.4
172.5°	4.8
175°	2.6
177.5°	0.1
180°	0.0

(END OF REPORT)