

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: P1503515

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503515
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-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

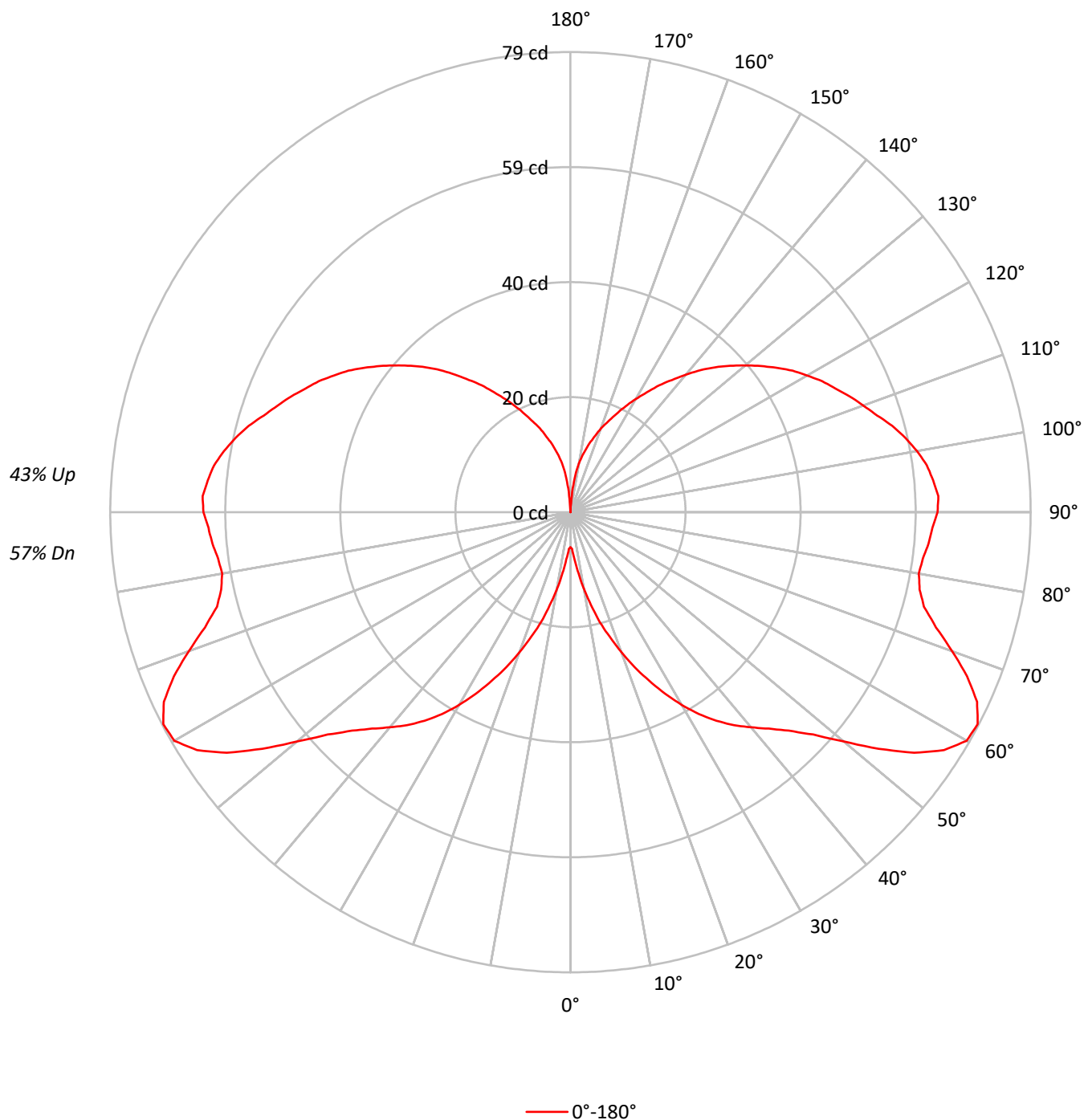
Lumens per Lamp: N/A
Luminaire Lumens: 638.6 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 5.36 / 5.36 / 4.75
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 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°	332
5°	437
10°	716
15°	1029
20°	1340
25°	1678
30°	2036
35°	2378
40°	2700
45°	3083
50°	3732
55°	4651
60°	5434
65°	5789
70°	5782
75°	5860
80°	6529
85°	7903

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 10068 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.1
10°-20°	5.7	0.9
20°-30°	14.9	2.3
30°-40°	27.5	4.3
40°-50°	41.7	6.5
50°-60°	64.0	10.0
60°-70°	75.3	11.8
70°-80°	67.5	10.6
80°-90°	67.3	10.5
90°-100°	67.9	10.6
100°-110°	60.4	9.5
110°-120°	49.9	7.8
120°-130°	38.8	6.1
130°-140°	27.3	4.3
140°-150°	16.8	2.6
150°-160°	8.7	1.4
160°-170°	3.5	0.5
170°-180°	0.5	0.1
0°-30°	21.6	3.4
0°-40°	49.1	7.7
0°-60°	154.7	24.2
0°-90°	364.8	57.1
90°-120°	178.3	27.9
90°-150°	261.1	40.9
90°-180°	274.0	42.9
0°-180°	638.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	20	6
25°	32	15
35°	44	27
45°	53	42
55°	72	64
65°	77	75
75°	63	67
85°	62	50
90°	63	34
95°	62	51
105°	57	60
115°	50	50
125°	43	39
135°	35	27
145°	27	17
155°	19	9
165°	12	3
175°	4	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6.0
2.5°	6.3
5°	8.1
7.5°	10.6
10°	13.5
12.5°	16.3
15°	19.6
17.5°	22.4
20°	25.6
22.5°	28.8
25°	31.9
27.5°	35.1
30°	38.2
32.5°	41.1
35°	43.7
37.5°	46.1
40°	48.2
42.5°	50.4
45°	53.0
47.5°	56.5
50°	61.2
52.5°	66.7
55°	72.0
57.5°	76.0
60°	78.5
62.5°	78.8
65°	77.0
67.5°	73.7
70°	69.7
72.5°	65.8
75°	62.8
77.5°	61.4
80°	60.7
82.5°	61.0
85°	61.7
87.5°	62.2
90°	63.0
92.5°	63.2
95°	62.5
97.5°	61.7
100°	60.4
102.5°	58.9
105°	57.2
107.5°	55.2
110°	53.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.9
115°	50.2
117.5°	48.7
120°	46.9
122.5°	45.2
125°	43.2
127.5°	41.2
130°	39.2
132.5°	37.2
135°	35.2
137.5°	33.1
140°	30.8
142.5°	28.6
145°	26.6
147.5°	24.4
150°	22.4
152.5°	20.5
155°	18.6
157.5°	16.8
160°	15.3
162.5°	13.5
165°	12.0
167.5°	10.3
170°	8.6
172.5°	6.5
175°	3.5
177.5°	0.2
180°	0.0

(END OF REPORT)