

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: P1503516

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503516
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

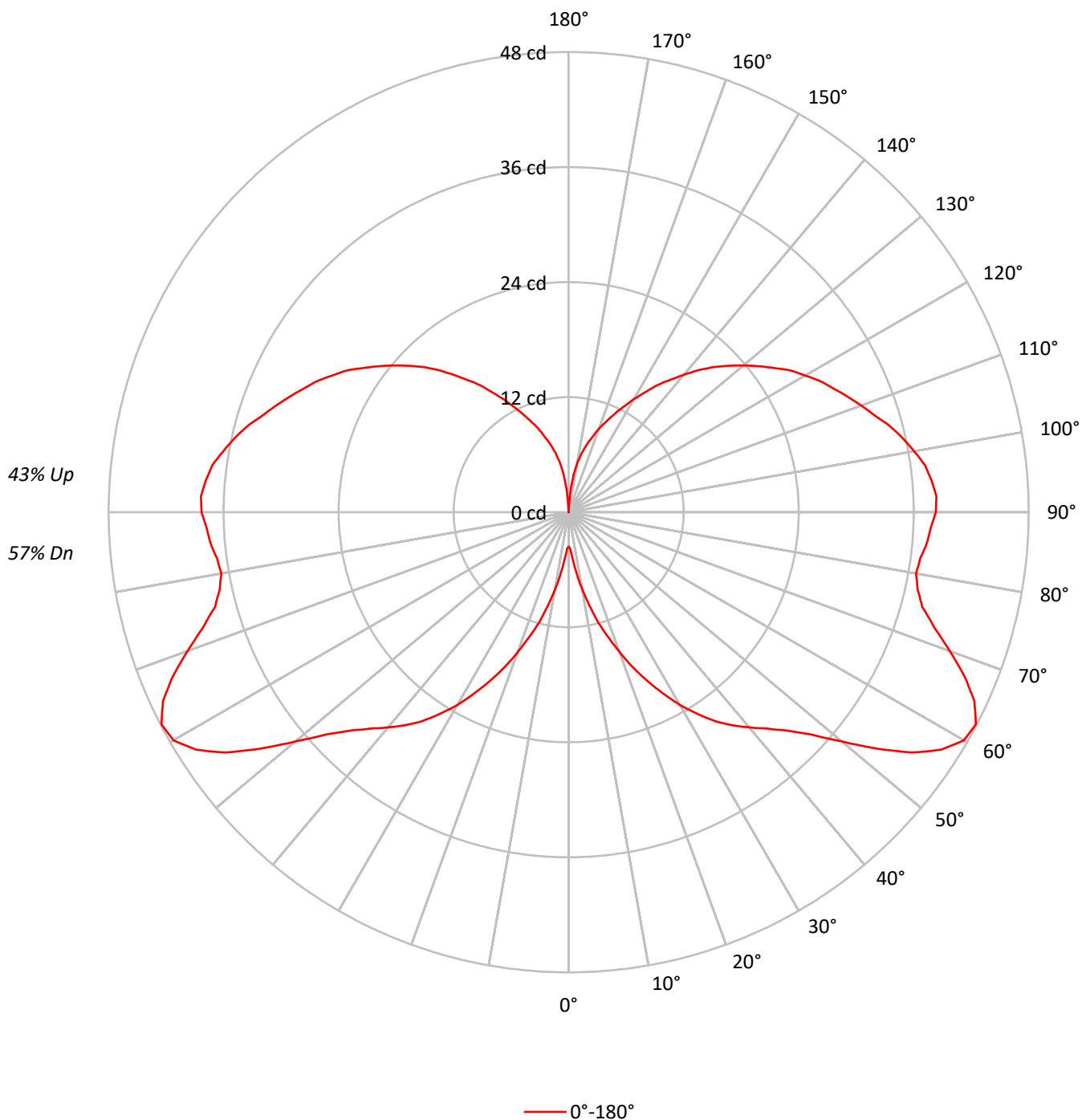
Lumens per Lamp: N/A
Luminaire Lumens: 387.8 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 5.39 / 5.39 / 4.77
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 6.5
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°	199
5°	264
10°	435
15°	624
20°	811
25°	1021
30°	1237
35°	1448
40°	1641
45°	1873
50°	2269
55°	2823
60°	3295
65°	3511
70°	3509
75°	3565
80°	3958
85°	4803

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6121 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.1
10°-20°	3.5	0.9
20°-30°	9.1	2.3
30°-40°	16.7	4.3
40°-50°	25.3	6.5
50°-60°	38.8	10.0
60°-70°	45.7	11.8
70°-80°	41.0	10.6
80°-90°	40.9	10.5
90°-100°	41.3	10.6
100°-110°	36.6	9.4
110°-120°	30.3	7.8
120°-130°	23.6	6.1
130°-140°	16.6	4.3
140°-150°	10.2	2.6
150°-160°	5.3	1.4
160°-170°	2.1	0.5
170°-180°	0.3	0.1
0°-30°	13.1	3.4
0°-40°	29.8	7.7
0°-60°	93.9	24.2
0°-90°	221.5	57.1
90°-120°	108.2	27.9
90°-150°	158.6	40.9
90°-180°	166.0	42.8
0°-180°	387.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	5	1
15°	12	3
25°	19	9
35°	27	17
45°	32	25
55°	44	39
65°	47	46
75°	38	41
85°	38	30
90°	38	21
95°	38	31
105°	35	37
115°	30	30
125°	26	24
135°	21	17
145°	16	10
155°	11	5
165°	7	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3.6
2.5°	3.8
5°	4.9
7.5°	6.5
10°	8.2
12.5°	9.9
15°	11.9
17.5°	13.6
20°	15.5
22.5°	17.5
25°	19.4
27.5°	21.3
30°	23.2
32.5°	24.9
35°	26.6
37.5°	28.0
40°	29.3
42.5°	30.6
45°	32.2
47.5°	34.3
50°	37.2
52.5°	40.5
55°	43.7
57.5°	46.1
60°	47.6
62.5°	47.9
65°	46.7
67.5°	44.7
70°	42.3
72.5°	40.0
75°	38.2
77.5°	37.3
80°	36.8
82.5°	37.0
85°	37.5
87.5°	37.8
90°	38.3
92.5°	38.4
95°	38.0
97.5°	37.5
100°	36.6
102.5°	35.7
105°	34.7
107.5°	33.5
110°	32.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	31.5
115°	30.5
117.5°	29.6
120°	28.5
122.5°	27.5
125°	26.2
127.5°	25.0
130°	23.8
132.5°	22.6
135°	21.4
137.5°	20.1
140°	18.7
142.5°	17.4
145°	16.2
147.5°	14.8
150°	13.6
152.5°	12.4
155°	11.3
157.5°	10.2
160°	9.3
162.5°	8.2
165°	7.3
167.5°	6.3
170°	5.2
172.5°	3.9
175°	2.1
177.5°	0.1
180°	0.0

(END OF REPORT)