

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: P1503510

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (3500K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503510
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 (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

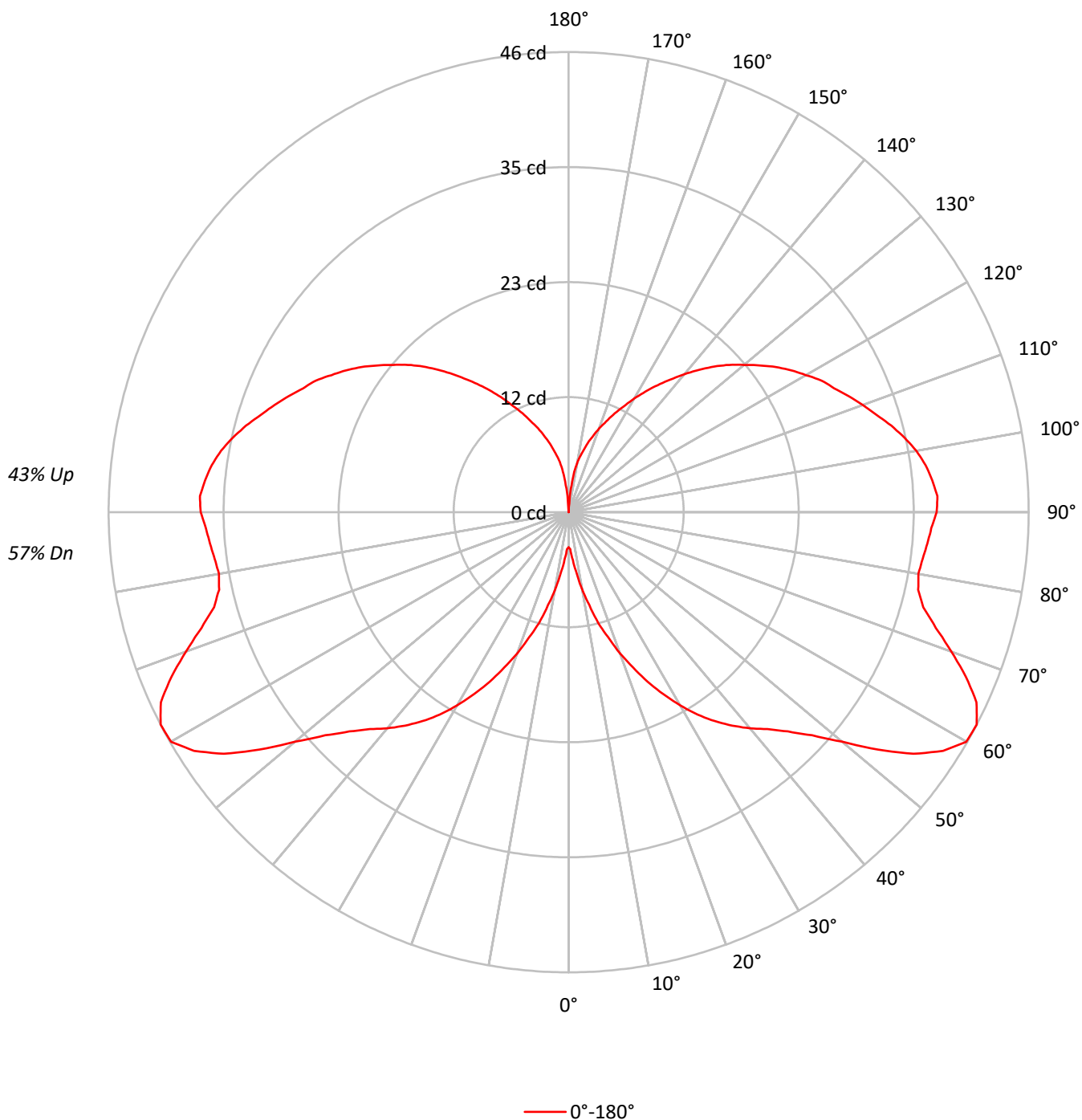
Lumens per Lamp: N/A
Luminaire Lumens: 373.1 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 5.36 / 5.36 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

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		
R																				
C	0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57	
R	1	94	87	81	75	86	80	75	70	68	64	60	57	54	51	47	44	42	37	
C	2	83	73	64	57	76	67	59	53	56	50	45	46	42	38	37	34	31	26	
R	3	74	62	52	44	68	57	48	41	47	41	35	39	34	29	31	27	23	19	
C	4	67	53	43	36	61	49	40	33	41	34	28	33	28	23	26	22	18	14	
R	5	61	46	36	29	55	43	34	27	36	28	23	29	23	19	23	18	15	11	
C	6	55	41	31	24	51	38	29	22	31	24	19	26	20	15	20	16	12	9	
R	7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	14	10	7	
C	8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6	
R	9	44	30	21	15	40	27	19	14	23	16	12	19	13	10	15	11	7	5	
C	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°	194
5°	259
10°	419
15°	603
20°	785
25°	984
30°	1189
35°	1388
40°	1580
45°	1803
50°	2177
55°	2720
60°	3178
65°	3383
70°	3376
75°	3425
80°	3818
85°	4611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 5881 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.1
10°-20°	3.3	0.9
20°-30°	8.7	2.3
30°-40°	16.0	4.3
40°-50°	24.3	6.5
50°-60°	37.4	10.0
60°-70°	44.0	11.8
70°-80°	39.4	10.6
80°-90°	39.3	10.5
90°-100°	39.7	10.6
100°-110°	35.3	9.5
110°-120°	29.2	7.8
120°-130°	22.7	6.1
130°-140°	16.0	4.3
140°-150°	9.8	2.6
150°-160°	5.1	1.4
160°-170°	2.0	0.5
170°-180°	0.3	0.1
0°-30°	12.6	3.4
0°-40°	28.7	7.7
0°-60°	90.4	24.2
0°-90°	213.1	57.1
90°-120°	104.1	27.9
90°-150°	152.6	40.9
90°-180°	160.0	42.9
0°-180°	373.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	5	1
15°	12	3
25°	19	9
35°	26	16
45°	31	24
55°	42	37
65°	45	44
75°	37	39
85°	36	29
90°	37	20
95°	36	30
105°	33	35
115°	29	29
125°	25	23
135°	21	16
145°	16	10
155°	11	5
165°	7	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3.5
2.5°	3.7
5°	4.8
7.5°	6.2
10°	7.9
12.5°	9.5
15°	11.5
17.5°	13.1
20°	15.0
22.5°	16.8
25°	18.7
27.5°	20.5
30°	22.3
32.5°	24.0
35°	25.5
37.5°	26.9
40°	28.2
42.5°	29.4
45°	31.0
47.5°	33.0
50°	35.7
52.5°	39.0
55°	42.1
57.5°	44.4
60°	45.9
62.5°	46.0
65°	45.0
67.5°	43.0
70°	40.7
72.5°	38.5
75°	36.7
77.5°	35.8
80°	35.5
82.5°	35.7
85°	36.0
87.5°	36.3
90°	36.8
92.5°	36.9
95°	36.5
97.5°	36.0
100°	35.3
102.5°	34.4
105°	33.4
107.5°	32.3
110°	31.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	30.3
115°	29.3
117.5°	28.5
120°	27.4
122.5°	26.4
125°	25.3
127.5°	24.1
130°	22.9
132.5°	21.8
135°	20.6
137.5°	19.3
140°	18.0
142.5°	16.7
145°	15.5
147.5°	14.3
150°	13.1
152.5°	11.9
155°	10.9
157.5°	9.8
160°	8.9
162.5°	7.9
165°	7.0
167.5°	6.0
170°	5.1
172.5°	3.8
175°	2.0
177.5°	0.1
180°	0.0

(END OF REPORT)