

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: P1503548

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-DIFF-VF (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503548
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-D2W-XXXX-DIFF-VF (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

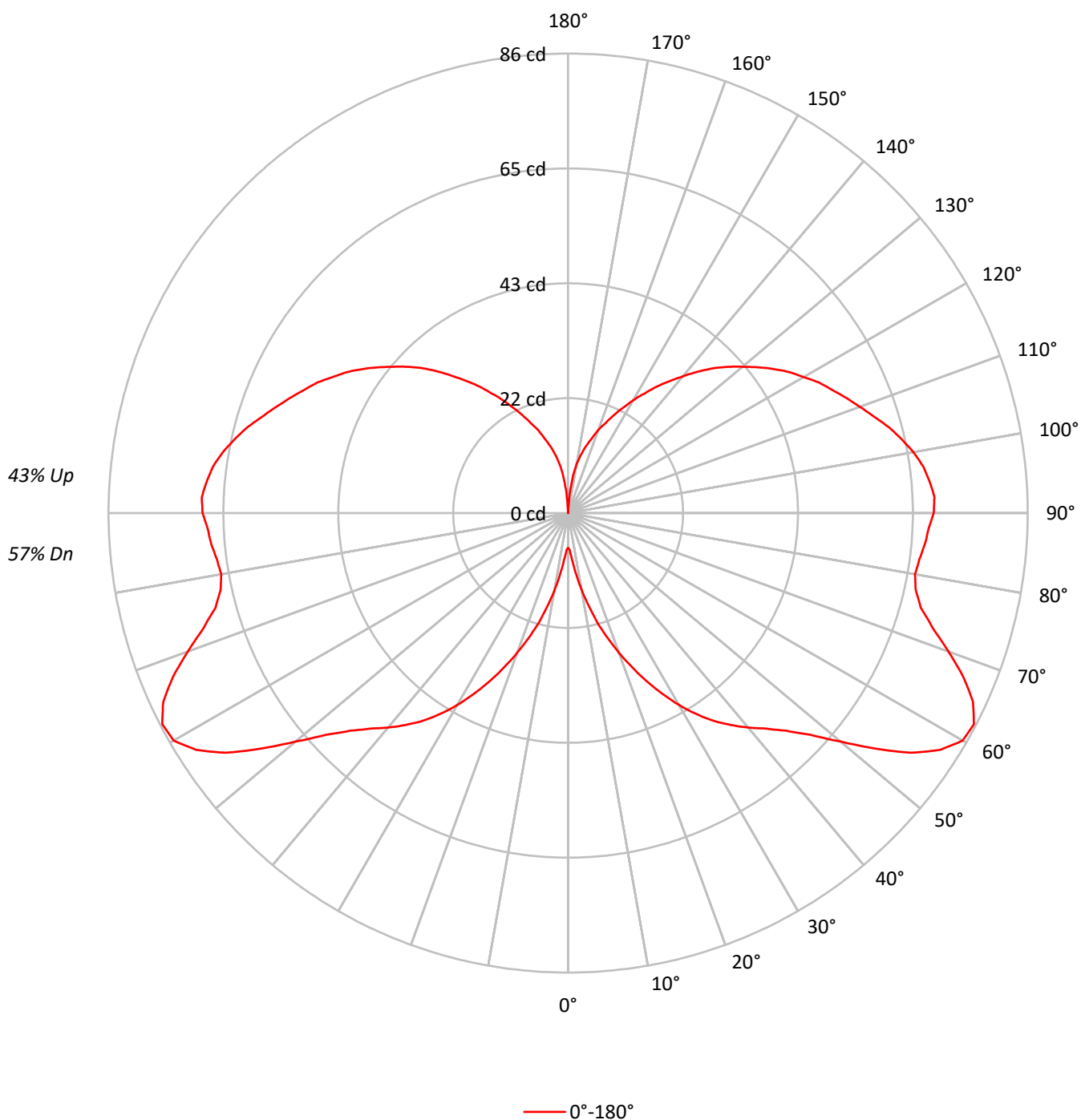
Lumens per Lamp: N/A
Luminaire Lumens: 693.5 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 5.37 / 5.37 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 11.5
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°	360
5°	475
10°	774
15°	1118
20°	1455
25°	1826
30°	2212
35°	2585
40°	2935
45°	3351
50°	4056
55°	5052
60°	5898
65°	6286
70°	6280
75°	6373
80°	7088
85°	8582

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 10931 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.1
10°-20°	6.2	0.9
20°-30°	16.2	2.3
30°-40°	29.8	4.3
40°-50°	45.3	6.5
50°-60°	69.5	10.0
60°-70°	81.7	11.8
70°-80°	73.3	10.6
80°-90°	73.1	10.5
90°-100°	73.8	10.6
100°-110°	65.6	9.5
110°-120°	54.2	7.8
120°-130°	42.2	6.1
130°-140°	29.7	4.3
140°-150°	18.2	2.6
150°-160°	9.5	1.4
160°-170°	3.8	0.5
170°-180°	0.5	0.1
0°-30°	23.4	3.4
0°-40°	53.3	7.7
0°-60°	168.0	24.2
0°-90°	396.1	57.1
90°-120°	193.6	27.9
90°-150°	283.6	40.9
90°-180°	297.0	42.8
0°-180°	693.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	9	1
15°	21	6
25°	35	16
35°	48	30
45°	58	45
55°	78	69
65°	84	82
75°	68	73
85°	67	54
90°	68	37
95°	68	55
105°	62	66
115°	54	54
125°	47	42
135°	38	30
145°	29	18
155°	20	9
165°	13	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6.5
2.5°	6.9
5°	8.8
7.5°	11.6
10°	14.6
12.5°	17.7
15°	21.3
17.5°	24.4
20°	27.8
22.5°	31.2
25°	34.7
27.5°	38.1
30°	41.5
32.5°	44.6
35°	47.5
37.5°	50.0
40°	52.4
42.5°	54.7
45°	57.6
47.5°	61.4
50°	66.5
52.5°	72.4
55°	78.2
57.5°	82.5
60°	85.2
62.5°	85.6
65°	83.6
67.5°	80.0
70°	75.7
72.5°	71.5
75°	68.3
77.5°	66.6
80°	65.9
82.5°	66.3
85°	67.0
87.5°	67.5
90°	68.4
92.5°	68.6
95°	67.9
97.5°	67.0
100°	65.6
102.5°	63.9
105°	62.1
107.5°	60.0
110°	58.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	56.3
115°	54.5
117.5°	52.9
120°	50.9
122.5°	49.1
125°	47.0
127.5°	44.8
130°	42.6
132.5°	40.5
135°	38.3
137.5°	35.9
140°	33.4
142.5°	31.1
145°	28.9
147.5°	26.5
150°	24.4
152.5°	22.2
155°	20.2
157.5°	18.2
160°	16.6
162.5°	14.6
165°	13.0
167.5°	11.2
170°	9.4
172.5°	7.0
175°	3.8
177.5°	0.2
180°	0.0

(END OF REPORT)