

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: P1503560

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-DIFF-VF (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503560
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 (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 - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

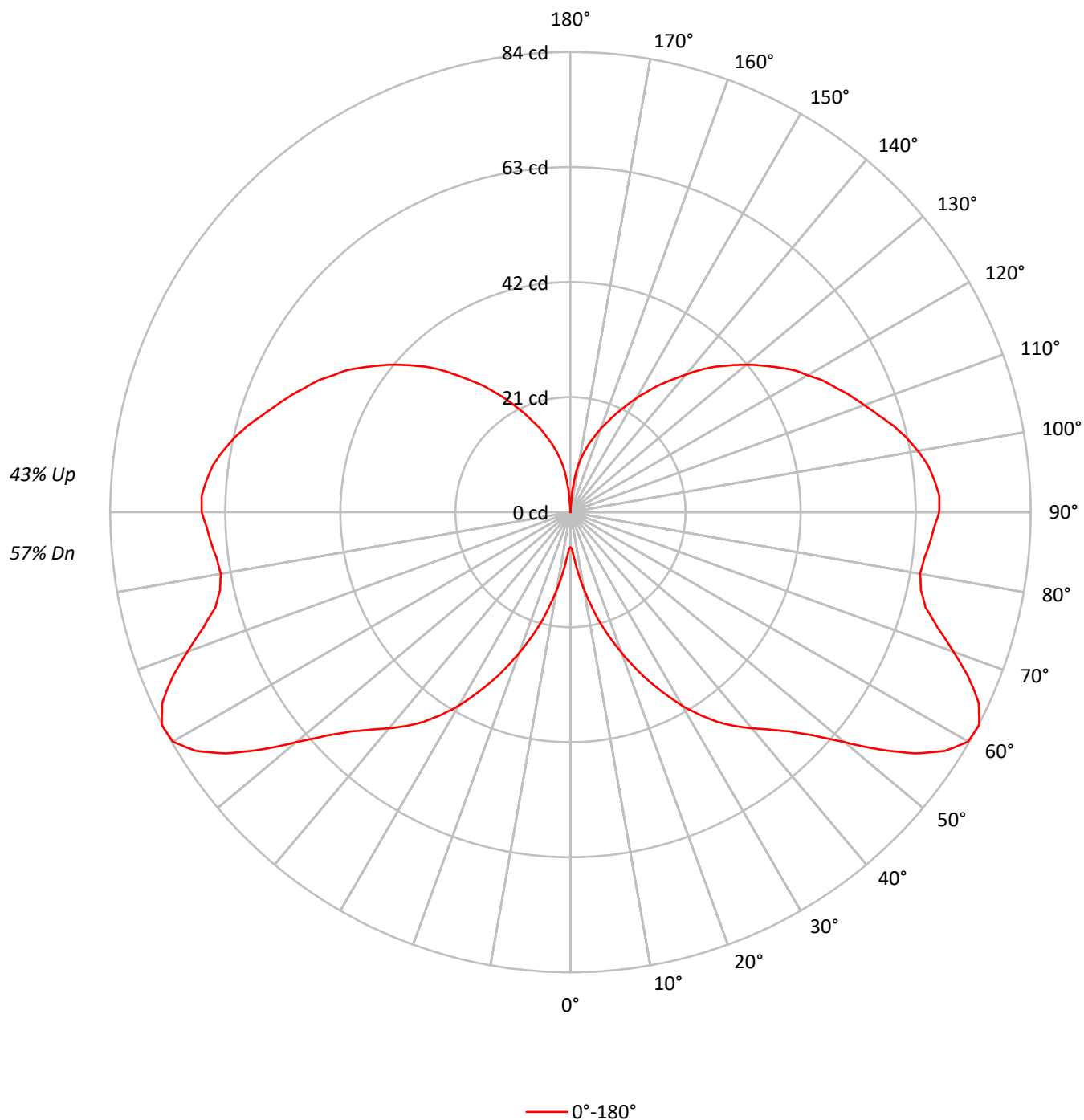
Lumens per Lamp: N/A
Luminaire Lumens: 681.6 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 5.36 / 5.36 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 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°	355
5°	470
10°	763
15°	1097
20°	1429
25°	1794
30°	2175
35°	2541
40°	2885
45°	3293
50°	3982
55°	4961
60°	5801
65°	6180
70°	6172
75°	6261
80°	6970
85°	8428

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 10755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.1
10°-20°	6.1	0.9
20°-30°	15.9	2.3
30°-40°	29.3	4.3
40°-50°	44.5	6.5
50°-60°	68.3	10.0
60°-70°	80.3	11.8
70°-80°	72.0	10.6
80°-90°	71.8	10.5
90°-100°	72.5	10.6
100°-110°	64.4	9.5
110°-120°	53.3	7.8
120°-130°	41.4	6.1
130°-140°	29.1	4.3
140°-150°	17.9	2.6
150°-160°	9.3	1.4
160°-170°	3.7	0.5
170°-180°	0.5	0.1
0°-30°	23.0	3.4
0°-40°	52.4	7.7
0°-60°	165.1	24.2
0°-90°	389.3	57.1
90°-120°	190.2	27.9
90°-150°	278.7	40.9
90°-180°	292.0	42.8
0°-180°	681.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	9	1
15°	21	6
25°	34	16
35°	47	29
45°	57	44
55°	77	68
65°	82	80
75°	67	72
85°	66	54
90°	67	37
95°	67	54
105°	61	64
115°	54	53
125°	46	41
135°	38	29
145°	28	18
155°	20	9
165°	13	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6.4
2.5°	6.7
5°	8.7
7.5°	11.4
10°	14.4
12.5°	17.4
15°	20.9
17.5°	24.0
20°	27.3
22.5°	30.7
25°	34.1
27.5°	37.4
30°	40.8
32.5°	43.8
35°	46.7
37.5°	49.2
40°	51.5
42.5°	53.8
45°	56.6
47.5°	60.3
50°	65.3
52.5°	71.2
55°	76.8
57.5°	81.1
60°	83.8
62.5°	84.1
65°	82.2
67.5°	78.6
70°	74.4
72.5°	70.3
75°	67.1
77.5°	65.5
80°	64.8
82.5°	65.1
85°	65.8
87.5°	66.4
90°	67.3
92.5°	67.4
95°	66.7
97.5°	65.8
100°	64.4
102.5°	62.8
105°	61.0
107.5°	58.9
110°	57.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.4
115°	53.6
117.5°	52.0
120°	50.0
122.5°	48.3
125°	46.1
127.5°	44.0
130°	41.9
132.5°	39.7
135°	37.6
137.5°	35.3
140°	32.8
142.5°	30.5
145°	28.4
147.5°	26.1
150°	24.0
152.5°	21.8
155°	19.9
157.5°	17.9
160°	16.3
162.5°	14.4
165°	12.8
167.5°	11.0
170°	9.2
172.5°	6.9
175°	3.7
177.5°	0.2
180°	0.0

(END OF REPORT)