

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: P1503550

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-DIFF-VF (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503550
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-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

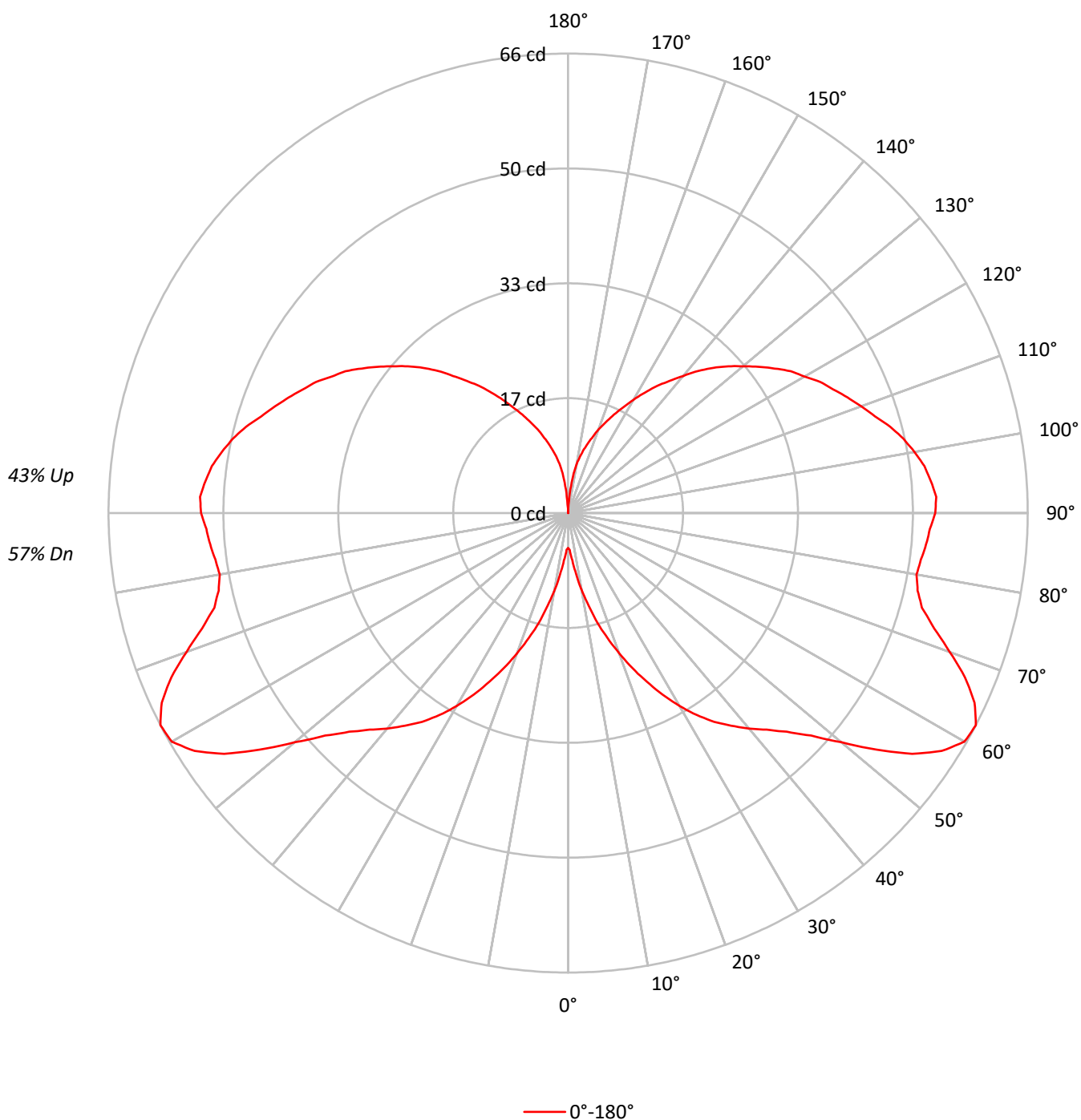
Lumens per Lamp: N/A
Luminaire Lumens: 534.5 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 5.37 / 5.37 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 8.8
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°	277
5°	367
10°	599
15°	861
20°	1120
25°	1405
30°	1706
35°	1992
40°	2263
45°	2583
50°	3122
55°	3895
60°	4548
65°	4842
70°	4836
75°	4908
80°	5464
85°	6609

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 8422 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.1
10°-20°	4.8	0.9
20°-30°	12.5	2.3
30°-40°	23.0	4.3
40°-50°	34.9	6.5
50°-60°	53.5	10.0
60°-70°	63.0	11.8
70°-80°	56.5	10.6
80°-90°	56.3	10.5
90°-100°	56.8	10.6
100°-110°	50.6	9.5
110°-120°	41.8	7.8
120°-130°	32.5	6.1
130°-140°	22.9	4.3
140°-150°	14.1	2.6
150°-160°	7.3	1.4
160°-170°	2.9	0.5
170°-180°	0.4	0.1
0°-30°	18.1	3.4
0°-40°	41.1	7.7
0°-60°	129.5	24.2
0°-90°	305.3	57.1
90°-120°	149.2	27.9
90°-150°	218.6	40.9
90°-180°	229.0	42.8
0°-180°	534.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5	
5°	7	1
15°	16	5
25°	27	13
35°	37	23
45°	44	35
55°	60	54
65°	64	63
75°	53	56
85°	52	42
90°	53	29
95°	52	42
105°	48	51
115°	42	42
125°	36	32
135°	30	23
145°	22	14
155°	16	7
165°	10	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5.0
2.5°	5.3
5°	6.8
7.5°	8.9
10°	11.3
12.5°	13.6
15°	16.4
17.5°	18.8
20°	21.4
22.5°	24.1
25°	26.7
27.5°	29.4
30°	32.0
32.5°	34.4
35°	36.6
37.5°	38.5
40°	40.4
42.5°	42.2
45°	44.4
47.5°	47.3
50°	51.2
52.5°	55.8
55°	60.3
57.5°	63.6
60°	65.7
62.5°	66.0
65°	64.4
67.5°	61.7
70°	58.3
72.5°	55.1
75°	52.6
77.5°	51.4
80°	50.8
82.5°	51.1
85°	51.6
87.5°	52.0
90°	52.7
92.5°	52.9
95°	52.3
97.5°	51.6
100°	50.5
102.5°	49.3
105°	47.9
107.5°	46.2
110°	44.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.4
115°	42.0
117.5°	40.8
120°	39.2
122.5°	37.9
125°	36.2
127.5°	34.5
130°	32.8
132.5°	31.2
135°	29.5
137.5°	27.7
140°	25.7
142.5°	23.9
145°	22.3
147.5°	20.5
150°	18.8
152.5°	17.1
155°	15.6
157.5°	14.1
160°	12.8
162.5°	11.3
165°	10.0
167.5°	8.6
170°	7.2
172.5°	5.4
175°	2.9
177.5°	0.1
180°	0.0

(END OF REPORT)