

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: P1503544

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-CLER-VF (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-1)
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-CLER-VF (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

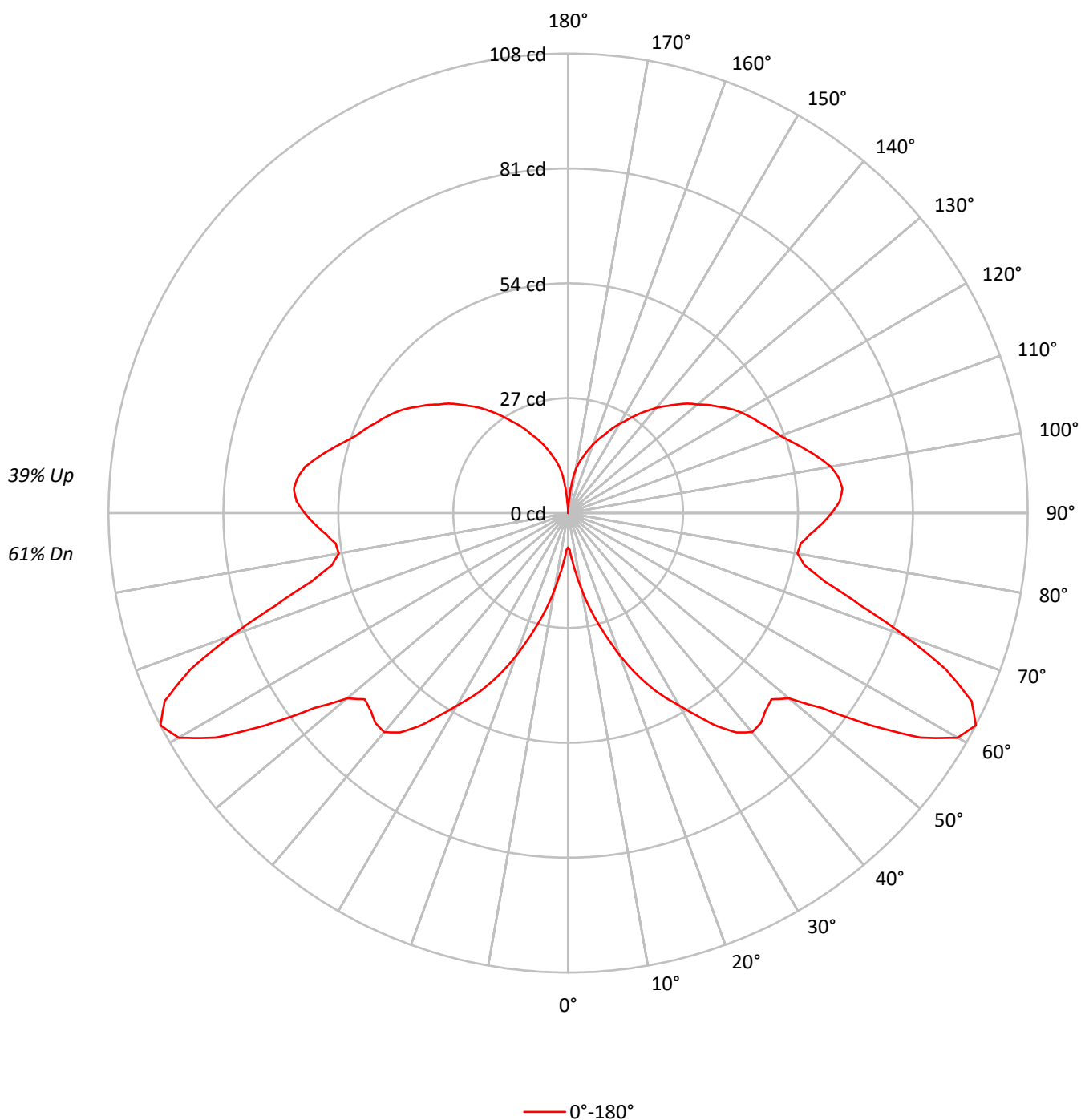
Lumens per Lamp: N/A
Luminaire Lumens: 708.9 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61		
1	95	89	83	78	88	82	77	73	71	67	63	60	57	54	50	48	46	41		
2	84	74	66	59	78	69	61	55	59	53	48	49	45	41	41	37	34	29		
3	75	63	53	46	69	58	50	43	50	43	37	41	36	31	34	30	26	22		
4	68	54	44	37	62	50	41	34	43	35	29	35	30	25	29	24	20	17		
5	61	47	37	30	56	44	35	28	37	30	24	31	25	20	25	20	16	13		
6	56	42	32	25	51	39	30	23	33	25	20	27	21	17	22	17	14	11		
7	51	37	28	21	47	34	26	20	29	22	17	24	18	14	20	15	11	9		
8	47	33	24	18	44	31	23	17	26	19	14	22	16	12	18	13	10	7		
9	44	30	21	16	41	28	20	15	24	17	12	20	14	10	16	12	8	6		
10	41	27	19	14	38	25	18	13	22	15	11	18	13	9	15	10	7	5		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	449
5°	604
10°	965
15°	1391
20°	1864
25°	2347
30°	2782
35°	3330
40°	3765
45°	3816
50°	4129
55°	5620
60°	7310
65°	7864
70°	6968
75°	5832
80°	5884
85°	7314

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 9892 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.2
10°-20°	7.8	1.1
20°-30°	20.8	2.9
30°-40°	38.3	5.4
40°-50°	51.3	7.2
50°-60°	78.2	11.0
60°-70°	100.0	14.1
70°-80°	68.8	9.7
80°-90°	62.8	8.9
90°-100°	69.6	9.8
100°-110°	61.2	8.6
110°-120°	49.7	7.0
120°-130°	39.1	5.5
130°-140°	28.0	4.0
140°-150°	17.8	2.5
150°-160°	9.6	1.4
160°-170°	4.0	0.6
170°-180°	0.6	0.1
0°-30°	29.9	4.2
0°-40°	68.1	9.6
0°-60°	197.6	27.9
0°-90°	429.2	60.5
90°-120°	180.5	25.5
90°-150°	265.4	37.4
90°-180°	280.0	39.5
0°-180°	708.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8	
5°	11	1
15°	26	8
25°	45	21
35°	61	38
45°	66	51
55°	87	78
65°	105	100
75°	62	69
85°	57	46
90°	62	34
95°	65	52
105°	58	61
115°	50	50
125°	44	39
135°	36	28
145°	28	18
155°	20	10
165°	14	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8.1
2.5°	8.7
5°	11.2
7.5°	14.4
10°	18.2
12.5°	22.4
15°	26.5
17.5°	30.9
20°	35.6
22.5°	40.3
25°	44.6
27.5°	48.6
30°	52.2
32.5°	56.5
35°	61.2
37.5°	65.0
40°	67.2
42.5°	67.0
45°	65.6
47.5°	64.8
50°	67.7
52.5°	75.3
55°	87.0
57.5°	98.2
60°	105.6
62.5°	108.0
65°	104.6
67.5°	96.1
70°	84.0
72.5°	71.9
75°	62.5
77.5°	56.9
80°	54.7
82.5°	55.1
85°	57.1
87.5°	59.6
90°	61.9
92.5°	63.9
95°	64.7
97.5°	64.1
100°	62.7
102.5°	60.3
105°	57.8
107.5°	55.3
110°	53.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.6
115°	50.0
117.5°	48.6
120°	47.1
122.5°	45.5
125°	43.5
127.5°	41.7
130°	39.7
132.5°	38.1
135°	36.1
137.5°	34.1
140°	32.3
142.5°	30.2
145°	28.2
147.5°	26.0
150°	24.2
152.5°	22.4
155°	20.4
157.5°	18.8
160°	17.2
162.5°	15.5
165°	13.7
167.5°	12.3
170°	10.5
172.5°	7.9
175°	4.3
177.5°	0.0
180°	0.0

(END OF REPORT)