

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: P1503502

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503502
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-010-XXXX-CLER-VF (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

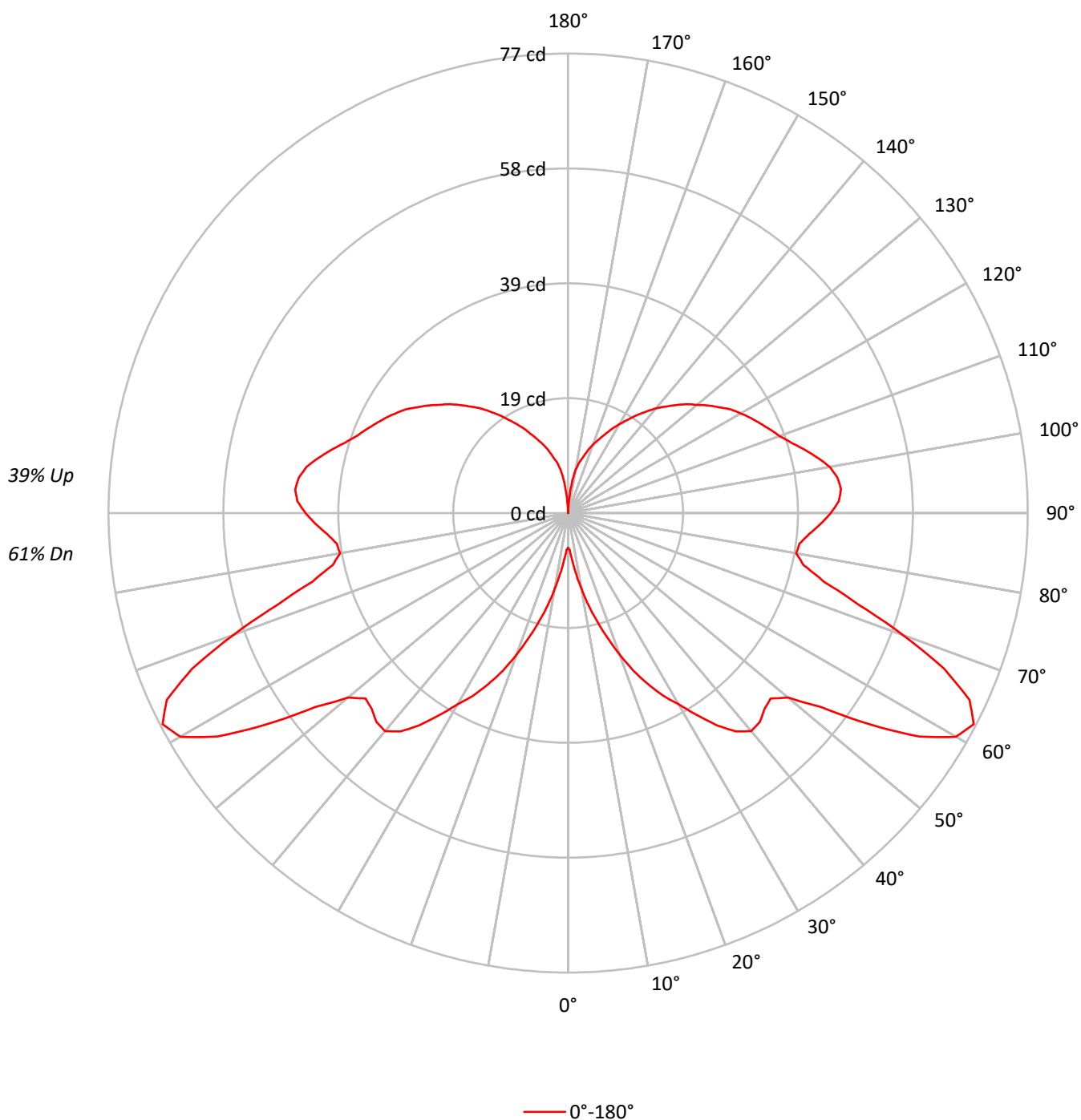
Lumens per Lamp: N/A
Luminaire Lumens: 503.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 5.21 / 5.21 / 4.43
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 8.2
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°	321
5°	426
10°	684
15°	987
20°	1319
25°	1663
30°	1972
35°	2362
40°	2672
45°	2705
50°	2933
55°	3992
60°	5192
65°	5579
70°	4944
75°	4134
80°	4173
85°	5188

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 7031 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.2
10°-20°	5.5	1.1
20°-30°	14.7	2.9
30°-40°	27.1	5.4
40°-50°	36.4	7.2
50°-60°	55.5	11.0
60°-70°	70.9	14.1
70°-80°	48.8	9.7
80°-90°	44.5	8.9
90°-100°	49.4	9.8
100°-110°	43.4	8.6
110°-120°	35.3	7.0
120°-130°	27.8	5.5
130°-140°	19.9	4.0
140°-150°	12.6	2.5
150°-160°	6.8	1.4
160°-170°	2.8	0.6
170°-180°	0.4	0.1
0°-30°	21.2	4.2
0°-40°	48.3	9.6
0°-60°	140.2	27.9
0°-90°	304.5	60.5
90°-120°	128.1	25.5
90°-150°	188.4	37.5
90°-180°	198.0	39.4
0°-180°	503.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	19	6
25°	32	15
35°	43	27
45°	46	36
55°	62	56
65°	74	71
75°	44	49
85°	40	33
90°	44	24
95°	46	37
105°	41	43
115°	36	35
125°	31	28
135°	26	20
145°	20	13
155°	14	7
165°	10	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5.8
2.5°	6.2
5°	7.9
7.5°	10.3
10°	12.9
12.5°	15.9
15°	18.8
17.5°	21.9
20°	25.2
22.5°	28.6
25°	31.6
27.5°	34.5
30°	37.0
32.5°	40.1
35°	43.4
37.5°	46.1
40°	47.7
42.5°	47.5
45°	46.5
47.5°	46.0
50°	48.1
52.5°	53.4
55°	61.8
57.5°	69.7
60°	75.0
62.5°	76.6
65°	74.2
67.5°	68.2
70°	59.6
72.5°	51.0
75°	44.3
77.5°	40.4
80°	38.8
82.5°	39.1
85°	40.5
87.5°	42.3
90°	44.0
92.5°	45.4
95°	45.9
97.5°	45.5
100°	44.5
102.5°	42.8
105°	41.0
107.5°	39.2
110°	37.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.6
115°	35.5
117.5°	34.5
120°	33.4
122.5°	32.3
125°	30.9
127.5°	29.6
130°	28.2
132.5°	27.0
135°	25.6
137.5°	24.2
140°	22.9
142.5°	21.4
145°	20.0
147.5°	18.5
150°	17.2
152.5°	15.9
155°	14.5
157.5°	13.3
160°	12.2
162.5°	11.0
165°	9.7
167.5°	8.7
170°	7.4
172.5°	5.6
175°	3.1
177.5°	0.0
180°	0.0

(END OF REPORT)