

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: P1503535

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503535
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 (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

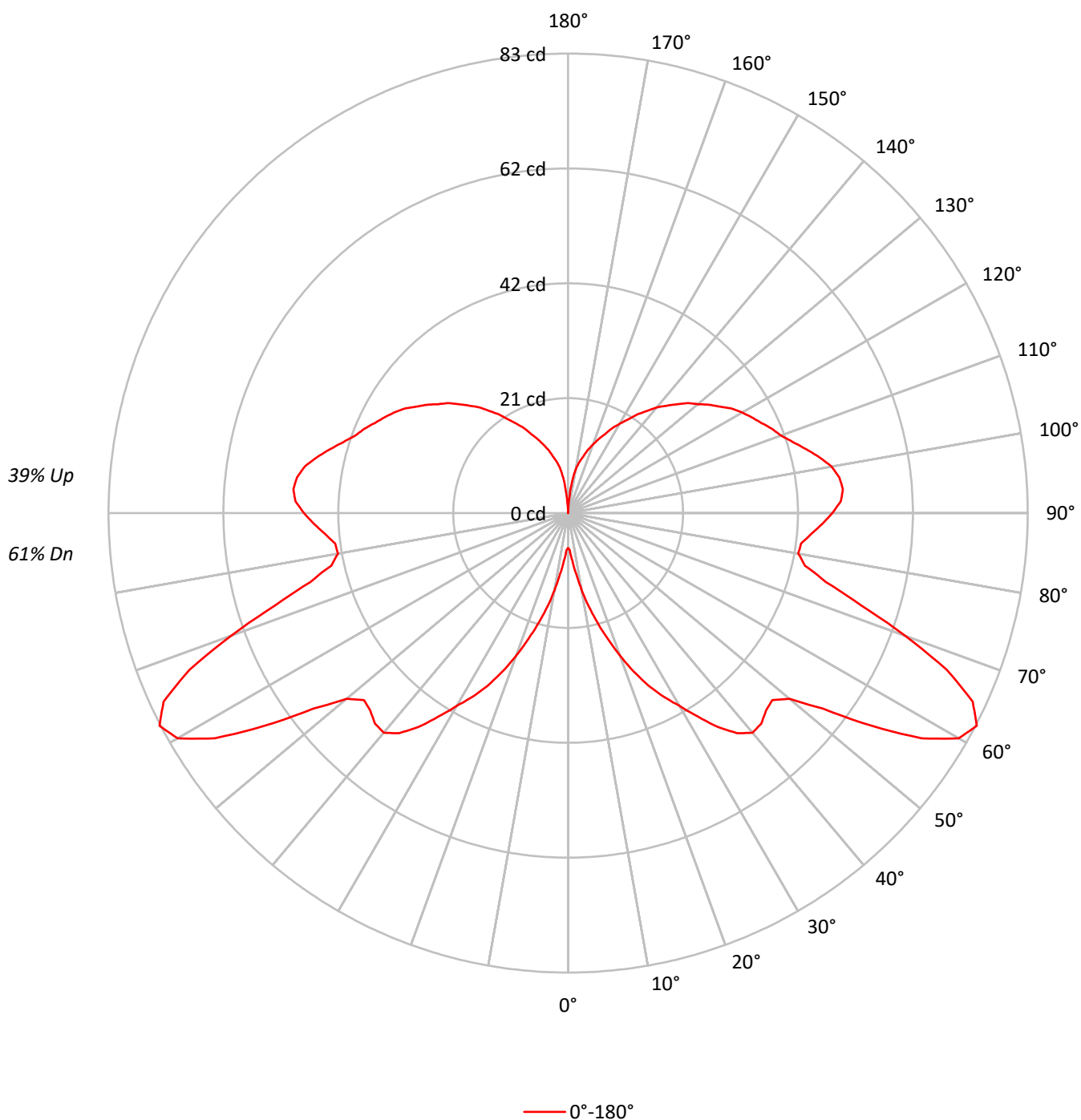
Lumens per Lamp: N/A
Luminaire Lumens: 546.2 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 5.21 / 5.21 / 4.43
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 8.8
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°	349
5°	464
10°	747
15°	1076
20°	1434
25°	1810
30°	2143
35°	2568
40°	2902
45°	2938
50°	3183
55°	4335
60°	5635
65°	6060
70°	5367
75°	4498
80°	4539
85°	5636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 7623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.2
10°-20°	6.0	1.1
20°-30°	16.0	2.9
30°-40°	29.5	5.4
40°-50°	39.5	7.2
50°-60°	60.3	11.0
60°-70°	77.0	14.1
70°-80°	53.0	9.7
80°-90°	48.4	8.9
90°-100°	53.6	9.8
100°-110°	47.2	8.6
110°-120°	38.3	7.0
120°-130°	30.1	5.5
130°-140°	21.6	4.0
140°-150°	13.7	2.5
150°-160°	7.4	1.4
160°-170°	3.1	0.6
170°-180°	0.5	0.1
0°-30°	23.0	4.2
0°-40°	52.5	9.6
0°-60°	152.3	27.9
0°-90°	330.7	60.5
90°-120°	139.1	25.5
90°-150°	204.5	37.4
90°-180°	215.0	39.4
0°-180°	546.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	9	1
15°	20	6
25°	34	16
35°	47	30
45°	50	40
55°	67	60
65°	81	77
75°	48	53
85°	44	36
90°	48	26
95°	50	40
105°	44	47
115°	38	38
125°	34	30
135°	28	22
145°	22	14
155°	16	7
165°	11	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6.3
2.5°	6.7
5°	8.6
7.5°	11.1
10°	14.1
12.5°	17.3
15°	20.5
17.5°	23.8
20°	27.4
22.5°	31.0
25°	34.4
27.5°	37.4
30°	40.2
32.5°	43.6
35°	47.2
37.5°	50.1
40°	51.8
42.5°	51.6
45°	50.5
47.5°	50.0
50°	52.2
52.5°	58.0
55°	67.1
57.5°	75.7
60°	81.4
62.5°	83.2
65°	80.6
67.5°	74.0
70°	64.7
72.5°	55.4
75°	48.2
77.5°	43.8
80°	42.2
82.5°	42.4
85°	44.0
87.5°	45.9
90°	47.7
92.5°	49.3
95°	49.8
97.5°	49.4
100°	48.3
102.5°	46.5
105°	44.5
107.5°	42.6
110°	40.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.8
115°	38.5
117.5°	37.4
120°	36.3
122.5°	35.1
125°	33.5
127.5°	32.1
130°	30.6
132.5°	29.4
135°	27.8
137.5°	26.3
140°	24.9
142.5°	23.2
145°	21.7
147.5°	20.0
150°	18.6
152.5°	17.3
155°	15.7
157.5°	14.5
160°	13.2
162.5°	12.0
165°	10.6
167.5°	9.5
170°	8.1
172.5°	6.1
175°	3.3
177.5°	0.0
180°	0.0

(END OF REPORT)