

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: P1503524

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-3)
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-SMGY-VF (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

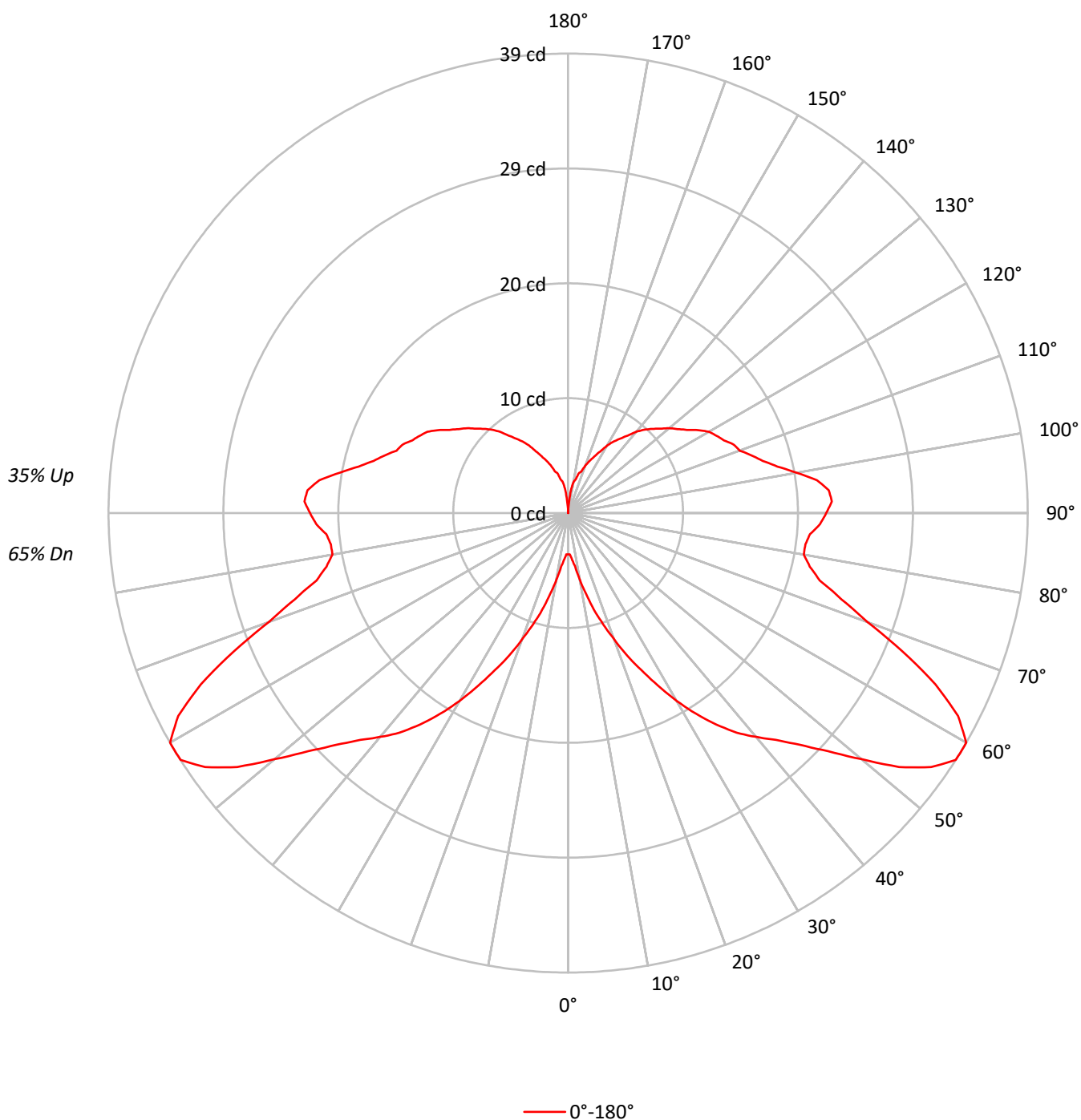
Lumens per Lamp: N/A
Luminaire Lumens: 243.1 lumens
Efficiency: N/A
Efficacy: 22.5 lumens/watt
Spacing Criteria (0/90/45): 4.8 / 4.8 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 10.8
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65		
1	96	89	84	78	90	84	78	74	73	69	65	63	60	57	54	52	49	45		
2	85	75	66	59	79	70	62	55	60	54	49	52	47	43	44	40	37	32		
3	76	63	54	46	70	59	50	43	51	44	38	43	38	33	37	32	28	24		
4	68	54	44	37	63	51	41	34	44	36	30	37	31	26	31	26	22	19		
5	62	47	37	30	57	44	35	28	38	30	24	32	26	21	27	22	18	14		
6	56	42	32	25	52	39	30	23	33	26	20	28	22	17	24	19	15	12		
7	52	37	27	21	48	34	26	19	30	22	17	25	19	15	21	16	12	9		
8	48	33	24	18	44	31	22	17	27	20	14	23	17	12	19	14	10	8		
9	44	30	21	15	41	28	20	14	24	17	12	21	15	11	17	12	9	6		
10	41	27	19	13	38	25	18	12	22	15	11	19	13	9	16	11	8	5		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194
5°	216
10°	307
15°	446
20°	597
25°	773
30°	981
35°	1192
40°	1389
45°	1617
50°	1982
55°	2429
60°	2700
65°	2586
70°	2240
75°	2062
80°	2183
85°	2639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 3500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.2
10°-20°	2.5	1.0
20°-30°	6.9	2.9
30°-40°	13.8	5.7
40°-50°	21.9	9.0
50°-60°	33.2	13.7
60°-70°	33.5	13.8
70°-80°	24.1	9.9
80°-90°	22.8	9.4
90°-100°	23.7	9.7
100°-110°	18.3	7.5
110°-120°	14.6	6.0
120°-130°	11.1	4.6
130°-140°	7.8	3.2
140°-150°	4.9	2.0
150°-160°	2.5	1.0
160°-170°	1.0	0.4
170°-180°	0.2	0.1
0°-30°	9.9	4.1
0°-40°	23.6	9.7
0°-60°	78.7	32.4
0°-90°	159.0	65.4
90°-120°	56.5	23.3
90°-150°	80.4	33.1
90°-180°	84.0	34.6
0°-180°	243.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	4	0
15°	8	2
25°	15	7
35°	22	14
45°	28	22
55°	38	33
65°	34	34
75°	22	24
85°	21	17
90°	22	12
95°	22	18
105°	17	18
115°	15	15
125°	12	11
135°	10	8
145°	8	5
155°	5	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3.5
2.5°	3.5
5°	4.0
7.5°	4.6
10°	5.8
12.5°	7.0
15°	8.5
17.5°	9.9
20°	11.4
22.5°	13.1
25°	14.7
27.5°	16.5
30°	18.4
32.5°	20.2
35°	21.9
37.5°	23.5
40°	24.8
42.5°	26.1
45°	27.8
47.5°	29.9
50°	32.5
52.5°	35.4
55°	37.6
57.5°	39.0
60°	39.0
62.5°	37.3
65°	34.4
67.5°	30.7
70°	27.0
72.5°	24.3
75°	22.1
77.5°	21.0
80°	20.3
82.5°	20.3
85°	20.6
87.5°	21.4
90°	21.9
92.5°	22.4
95°	22.2
97.5°	21.3
100°	19.7
102.5°	18.2
105°	17.1
107.5°	16.3
110°	15.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	15.2
115°	14.6
117.5°	14.2
120°	13.8
122.5°	13.1
125°	12.3
127.5°	11.7
130°	11.2
132.5°	10.6
135°	10.1
137.5°	9.6
140°	9.0
142.5°	8.3
145°	7.7
147.5°	7.2
150°	6.6
152.5°	5.9
155°	5.3
157.5°	4.8
160°	4.3
162.5°	3.7
165°	3.5
167.5°	2.9
170°	2.7
172.5°	2.1
175°	1.1
177.5°	0.2
180°	0.0

(END OF REPORT)