

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: P1503530

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503530
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 (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

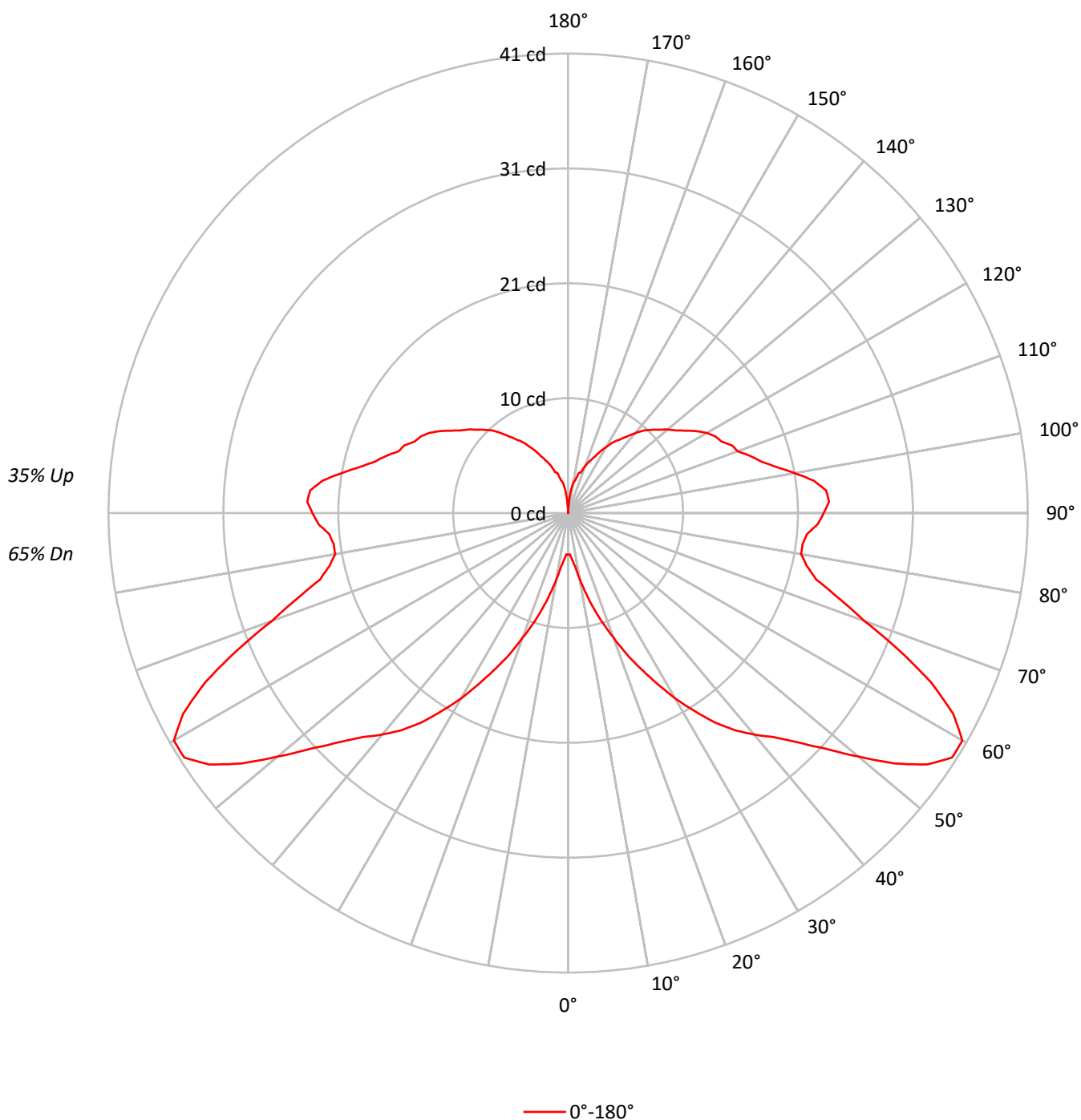
Lumens per Lamp: N/A
Luminaire Lumens: 252.7 lumens
Efficiency: N/A
Efficacy: 23.4 lumens/watt
Spacing Criteria (0/90/45): 4.78 / 4.78 / 4.11
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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	14	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°	205
5°	227
10°	318
15°	462
20°	618
25°	805
30°	1018
35°	1241
40°	1445
45°	1681
50°	2061
55°	2526
60°	2811
65°	2684
70°	2331
75°	2137
80°	2270
85°	2741

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 3644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.2
10°-20°	2.6	1.0
20°-30°	7.2	2.9
30°-40°	14.3	5.7
40°-50°	22.7	9.0
50°-60°	34.5	13.7
60°-70°	34.8	13.8
70°-80°	25.0	9.9
80°-90°	23.7	9.4
90°-100°	24.6	9.7
100°-110°	19.1	7.6
110°-120°	15.1	6.0
120°-130°	11.6	4.6
130°-140°	8.1	3.2
140°-150°	5.1	2.0
150°-160°	2.6	1.0
160°-170°	1.0	0.4
170°-180°	0.2	0.1
0°-30°	10.2	4.1
0°-40°	24.6	9.7
0°-60°	81.8	32.4
0°-90°	165.3	65.4
90°-120°	58.8	23.3
90°-150°	83.6	33.1
90°-180°	87.0	34.4
0°-180°	252.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	4	0
15°	9	3
25°	15	7
35°	23	14
45°	29	23
55°	39	35
65°	36	35
75°	23	25
85°	21	17
90°	23	12
95°	23	18
105°	18	19
115°	15	15
125°	13	12
135°	10	8
145°	8	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3.7
2.5°	3.7
5°	4.2
7.5°	4.8
10°	6.0
12.5°	7.3
15°	8.8
17.5°	10.3
20°	11.8
22.5°	13.6
25°	15.3
27.5°	17.1
30°	19.1
32.5°	20.9
35°	22.8
37.5°	24.4
40°	25.8
42.5°	27.1
45°	28.9
47.5°	31.1
50°	33.8
52.5°	36.7
55°	39.1
57.5°	40.6
60°	40.6
62.5°	38.7
65°	35.7
67.5°	31.9
70°	28.1
72.5°	25.3
75°	22.9
77.5°	21.8
80°	21.1
82.5°	21.1
85°	21.4
87.5°	22.3
90°	22.8
92.5°	23.3
95°	23.1
97.5°	22.1
100°	20.5
102.5°	19.0
105°	17.8
107.5°	17.0
110°	16.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	15.8
115°	15.1
117.5°	14.8
120°	14.3
122.5°	13.6
125°	12.8
127.5°	12.1
130°	11.6
132.5°	11.0
135°	10.5
137.5°	10.0
140°	9.3
142.5°	8.6
145°	8.0
147.5°	7.5
150°	6.8
152.5°	6.2
155°	5.5
157.5°	5.0
160°	4.5
162.5°	3.8
165°	3.7
167.5°	3.0
170°	2.8
172.5°	2.2
175°	1.2
177.5°	0.2
180°	0.0

(END OF REPORT)