

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: P1503525

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (3500K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503525
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

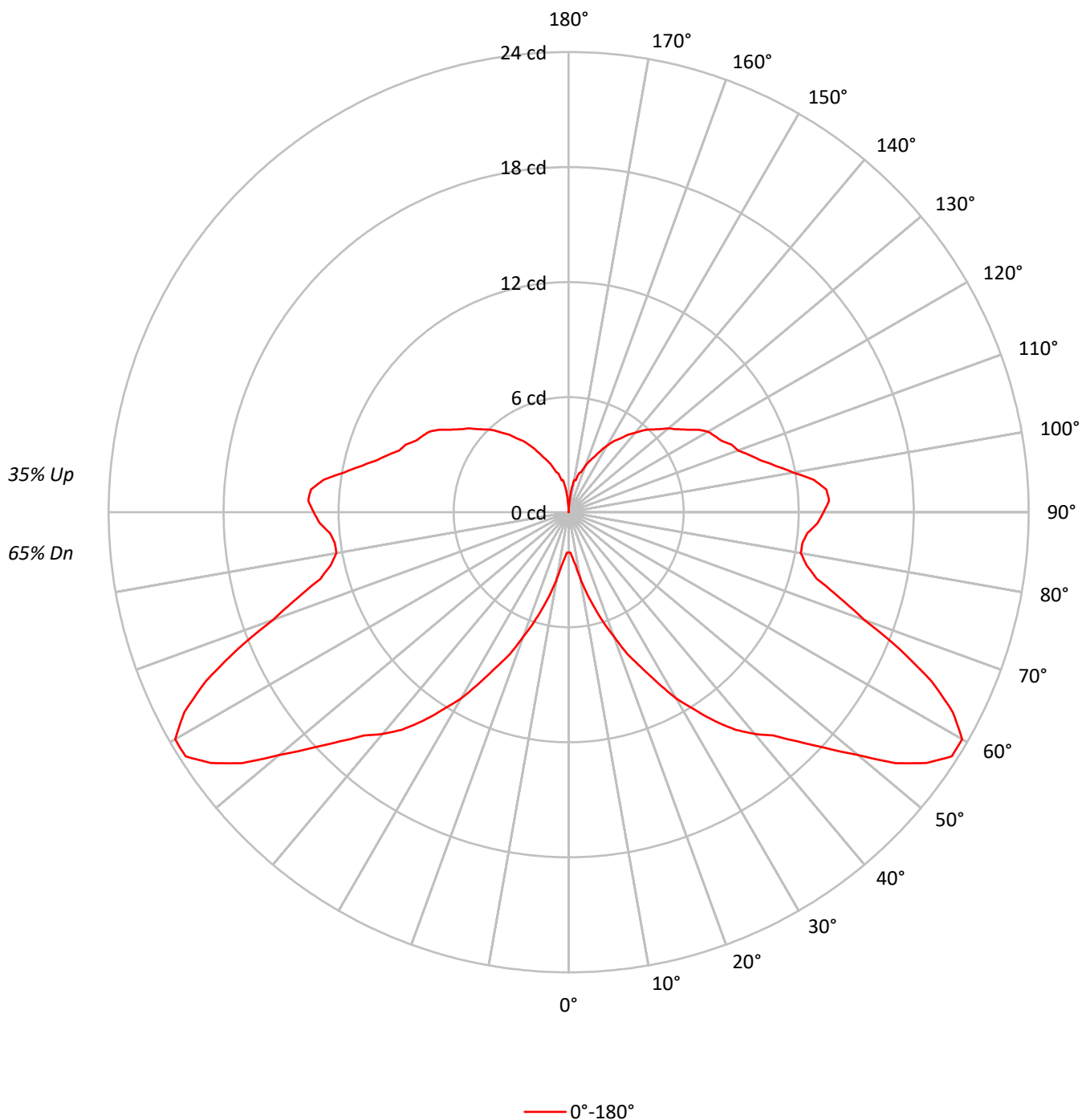
Lumens per Lamp: N/A
Luminaire Lumens: 147.6 lumens
Efficiency: N/A
Efficacy: 22.7 lumens/watt
Spacing Criteria (0/90/45): 4.82 / 4.82 / 4.15
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 6.5
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°	116
5°	130
10°	186
15°	268
20°	361
25°	468
30°	597
35°	724
40°	846
45°	983
50°	1201
55°	1473
60°	1641
65°	1571
70°	1361
75°	1250
80°	1323
85°	1601

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2125 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.2
10°-20°	1.5	1.0
20°-30°	4.2	2.9
30°-40°	8.4	5.7
40°-50°	13.3	9.0
50°-60°	20.2	13.7
60°-70°	20.4	13.8
70°-80°	14.6	9.9
80°-90°	13.8	9.4
90°-100°	14.3	9.7
100°-110°	11.1	7.5
110°-120°	8.8	6.0
120°-130°	6.8	4.6
130°-140°	4.7	3.2
140°-150°	3.0	2.0
150°-160°	1.5	1.0
160°-170°	0.6	0.4
170°-180°	0.1	0.1
0°-30°	6.0	4.1
0°-40°	14.4	9.7
0°-60°	47.8	32.4
0°-90°	96.5	65.4
90°-120°	34.3	23.2
90°-150°	48.8	33.1
90°-180°	51.0	34.6
0°-180°	147.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2	
5°	2	0
15°	5	2
25°	9	4
35°	13	8
45°	17	13
55°	23	20
65°	21	20
75°	13	15
85°	12	10
90°	13	7
95°	14	11
105°	10	11
115°	9	9
125°	8	7
135°	6	5
145°	5	3
155°	3	2
165°	2	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2.1
2.5°	2.1
5°	2.4
7.5°	2.8
10°	3.5
12.5°	4.3
15°	5.1
17.5°	6.0
20°	6.9
22.5°	8.0
25°	8.9
27.5°	10.0
30°	11.2
32.5°	12.2
35°	13.3
37.5°	14.3
40°	15.1
42.5°	15.8
45°	16.9
47.5°	18.2
50°	19.7
52.5°	21.5
55°	22.8
57.5°	23.7
60°	23.7
62.5°	22.6
65°	20.9
67.5°	18.7
70°	16.4
72.5°	14.8
75°	13.4
77.5°	12.7
80°	12.3
82.5°	12.3
85°	12.5
87.5°	13.0
90°	13.3
92.5°	13.6
95°	13.5
97.5°	12.9
100°	11.9
102.5°	11.1
105°	10.4
107.5°	9.9
110°	9.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.2
115°	8.8
117.5°	8.6
120°	8.4
122.5°	8.0
125°	7.5
127.5°	7.1
130°	6.8
132.5°	6.4
135°	6.1
137.5°	5.8
140°	5.4
142.5°	5.1
145°	4.7
147.5°	4.4
150°	4.0
152.5°	3.6
155°	3.2
157.5°	2.9
160°	2.6
162.5°	2.2
165°	2.1
167.5°	1.7
170°	1.7
172.5°	1.3
175°	0.7
177.5°	0.1
180°	0.0

(END OF REPORT)