

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: P1503528

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (4000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503528
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 (4000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

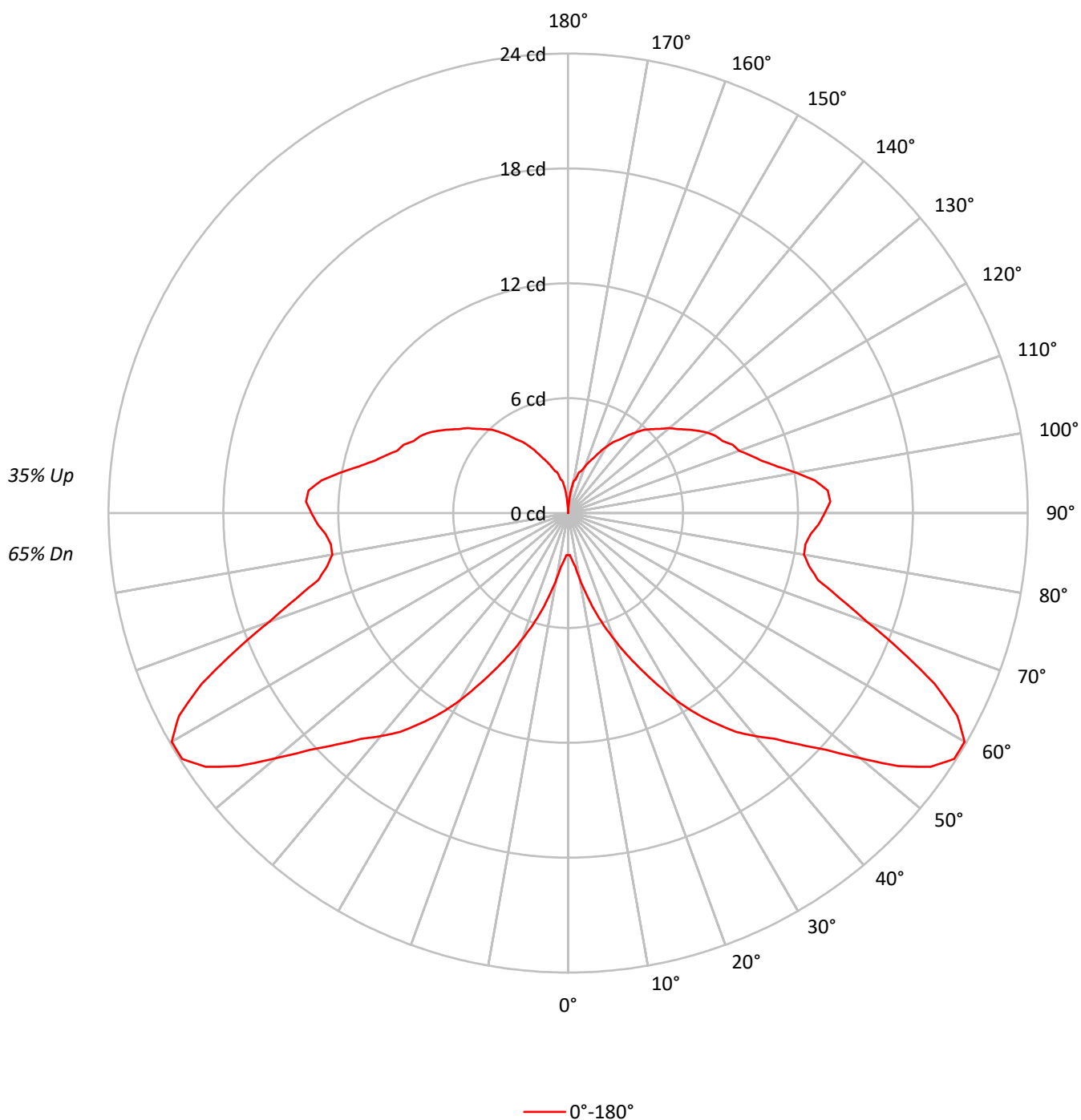
Lumens per Lamp: N/A
Luminaire Lumens: 149.1 lumens
Efficiency: N/A
Efficacy: 22.9 lumens/watt
Spacing Criteria (0/90/45): 4.77 / 4.77 / 4.11
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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

TEST NUMBER: P1503528

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (4000K-650LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503528

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (4000K-650LM)

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°	122
5°	135
10°	186
15°	273
20°	366
25°	474
30°	602
35°	729
40°	851
45°	995
50°	1214
55°	1492
60°	1655
65°	1586
70°	1377
75°	1260
80°	1344
85°	1627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2141 cd/sqm

TEST NUMBER: P1503528

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (4000K-650LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.2
10°-20°	1.5	1.0
20°-30°	4.3	2.9
30°-40°	8.4	5.7
40°-50°	13.4	9.0
50°-60°	20.4	13.7
60°-70°	20.6	13.8
70°-80°	14.8	9.9
80°-90°	14.0	9.4
90°-100°	14.5	9.7
100°-110°	11.2	7.5
110°-120°	8.9	6.0
120°-130°	6.8	4.6
130°-140°	4.8	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°	14.5	9.7
0°-60°	48.2	32.4
0°-90°	97.5	65.4
90°-120°	34.6	23.2
90°-150°	49.3	33.1
90°-180°	52.0	34.9
0°-180°	149.1	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	21
75°	14	15
85°	13	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	

TEST NUMBER: P1503528

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (4000K-650LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	2.2
2.5°	2.2
5°	2.5
7.5°	2.8
10°	3.5
12.5°	4.3
15°	5.2
17.5°	6.1
20°	7.0
22.5°	8.0
25°	9.0
27.5°	10.1
30°	11.3
32.5°	12.4
35°	13.4
37.5°	14.4
40°	15.2
42.5°	16.0
45°	17.1
47.5°	18.3
50°	19.9
52.5°	21.7
55°	23.1
57.5°	23.9
60°	23.9
62.5°	22.9
65°	21.1
67.5°	18.8
70°	16.6
72.5°	14.9
75°	13.5
77.5°	12.9
80°	12.5
82.5°	12.5
85°	12.7
87.5°	13.1
90°	13.4
92.5°	13.7
95°	13.6
97.5°	13.0
100°	12.1
102.5°	11.2
105°	10.5
107.5°	10.0
110°	9.5

TEST NUMBER: P1503528

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (4000K-650LM)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.3
115°	8.9
117.5°	8.7
120°	8.4
122.5°	8.0
125°	7.6
127.5°	7.2
130°	6.9
132.5°	6.5
135°	6.2
137.5°	5.9
140°	5.5
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°	2.3
165°	2.2
167.5°	1.8
170°	1.7
172.5°	1.3
175°	0.7
177.5°	0.1
180°	0.0

(END OF REPORT)