

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: P1503518

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503518
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 (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

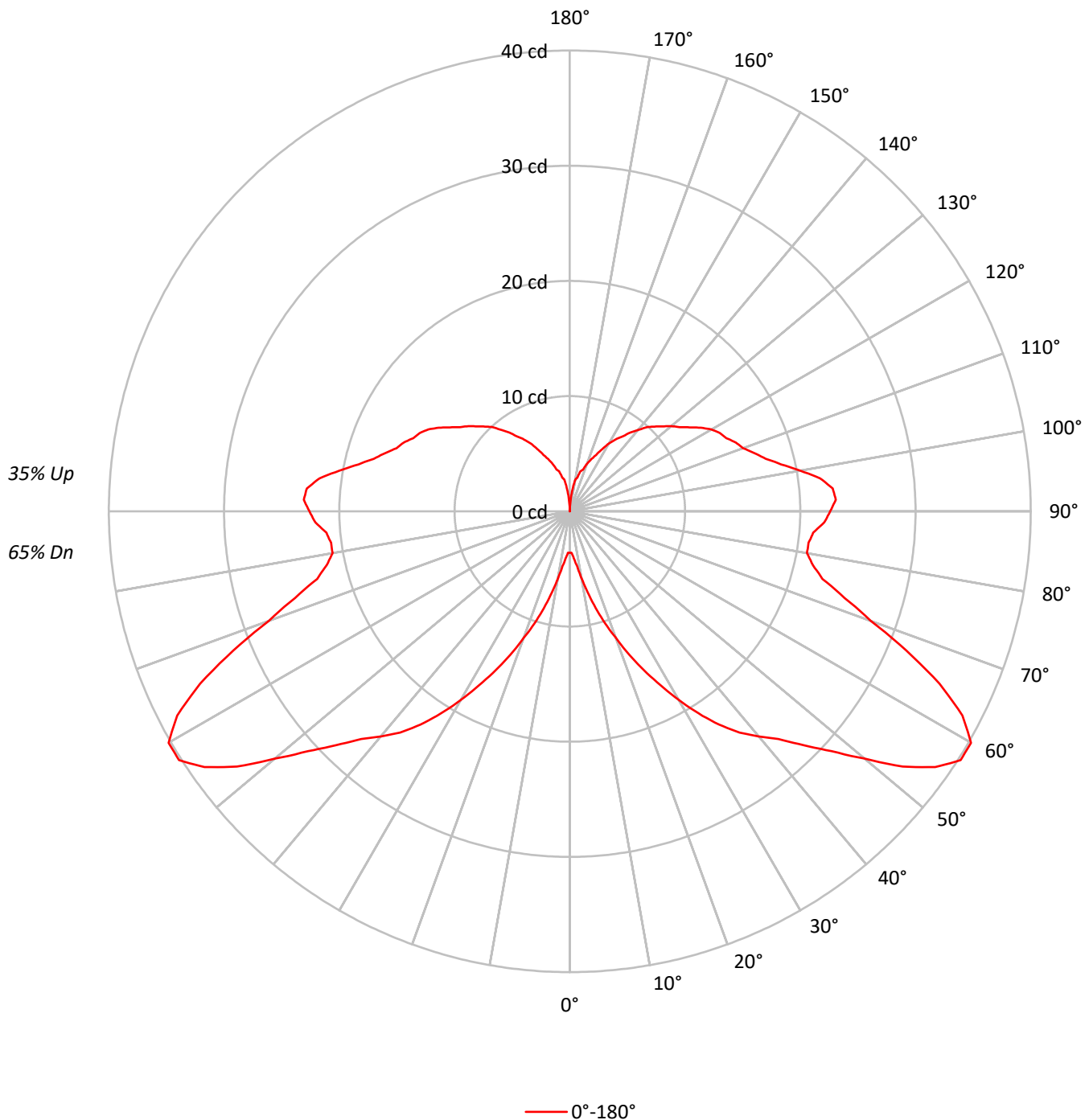
Lumens per Lamp: N/A
Luminaire Lumens: 250.3 lumens
Efficiency: N/A
Efficacy: 23.0 lumens/watt
Spacing Criteria (0/90/45): 4.81 / 4.81 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 10.9
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: P1503518

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (2700K-1000LM)

Luminous Intensity Polar Plot



TEST NUMBER: P1503518

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (2700K-1000LM)

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
RCR																					
0	111	111	111	111		104	104	104	104		92	92	92		81	81	81		70	70	70
1	96	89	84	78		90	84	78	74		73	69	65		63	60	57		54	52	49
2	85	75	66	59		79	70	62	55		60	54	49		52	47	43		44	40	37
3	76	63	54	46		70	59	50	43		51	44	38		43	38	33		37	32	28
4	68	54	44	37		63	51	41	34		44	36	30		37	31	26		31	26	22
5	62	47	37	30		57	44	35	28		38	30	24		32	26	21		27	22	18
6	56	42	32	25		52	39	30	23		33	26	20		28	22	17		24	19	15
7	52	37	27	21		48	34	26	19		30	22	17		25	19	15		21	16	12
8	48	33	24	18		44	31	22	17		27	20	14		23	17	12		19	14	10
9	44	30	21	15		41	28	20	14		24	17	12		21	15	11		17	12	9
10	41	27	19	13		38	25	18	12		22	15	11		19	13	9		16	11	8

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	199
5°	221
10°	313
15°	457
20°	612
25°	800
30°	1007
35°	1230
40°	1429
45°	1670
50°	2037
55°	2500
60°	2783
65°	2662
70°	2306
75°	2118
80°	2248
85°	2715

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 3612 cd/sqm

TEST NUMBER: P1503518

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (2700K-1000LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.2
10°-20°	2.6	1.0
20°-30°	7.2	2.9
30°-40°	14.2	5.7
40°-50°	22.5	9.0
50°-60°	34.2	13.7
60°-70°	34.5	13.8
70°-80°	24.7	9.9
80°-90°	23.4	9.4
90°-100°	24.4	9.7
100°-110°	18.9	7.5
110°-120°	15.0	6.0
120°-130°	11.5	4.6
130°-140°	8.1	3.2
140°-150°	5.0	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°	24.3	9.7
0°-60°	81.0	32.4
0°-90°	163.7	65.4
90°-120°	58.3	23.3
90°-150°	82.8	33.1
90°-180°	87.0	34.8
0°-180°	250.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	4	0
15°	9	3
25°	15	7
35°	23	14
45°	29	22
55°	39	34
65°	35	35
75°	23	25
85°	21	17
90°	23	12
95°	23	18
105°	18	19
115°	15	15
125°	13	11
135°	10	8
145°	8	5
155°	5	3
165°	4	1
175°	1	0
180°	0	

TEST NUMBER: P1503518

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (2700K-1000LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	3.6
2.5°	3.6
5°	4.1
7.5°	4.8
10°	5.9
12.5°	7.2
15°	8.7
17.5°	10.2
20°	11.7
22.5°	13.5
25°	15.2
27.5°	17.0
30°	18.9
32.5°	20.8
35°	22.6
37.5°	24.2
40°	25.5
42.5°	26.8
45°	28.7
47.5°	30.8
50°	33.4
52.5°	36.4
55°	38.7
57.5°	40.2
60°	40.2
62.5°	38.4
65°	35.4
67.5°	31.6
70°	27.8
72.5°	25.0
75°	22.7
77.5°	21.6
80°	20.9
82.5°	20.9
85°	21.2
87.5°	22.1
90°	22.6
92.5°	23.1
95°	22.9
97.5°	21.9
100°	20.3
102.5°	18.8
105°	17.6
107.5°	16.8
110°	16.0

TEST NUMBER: P1503518

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (2700K-1000LM)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	15.6
115°	15.0
117.5°	14.7
120°	14.2
122.5°	13.5
125°	12.7
127.5°	12.0
130°	11.5
132.5°	10.9
135°	10.4
137.5°	9.9
140°	9.2
142.5°	8.6
145°	7.9
147.5°	7.4
150°	6.8
152.5°	6.1
155°	5.4
157.5°	4.9
160°	4.4
162.5°	3.8
165°	3.6
167.5°	3.0
170°	2.8
172.5°	2.1
175°	1.2
177.5°	0.2
180°	0.0

(END OF REPORT)