

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: P1503521

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503521
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 (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

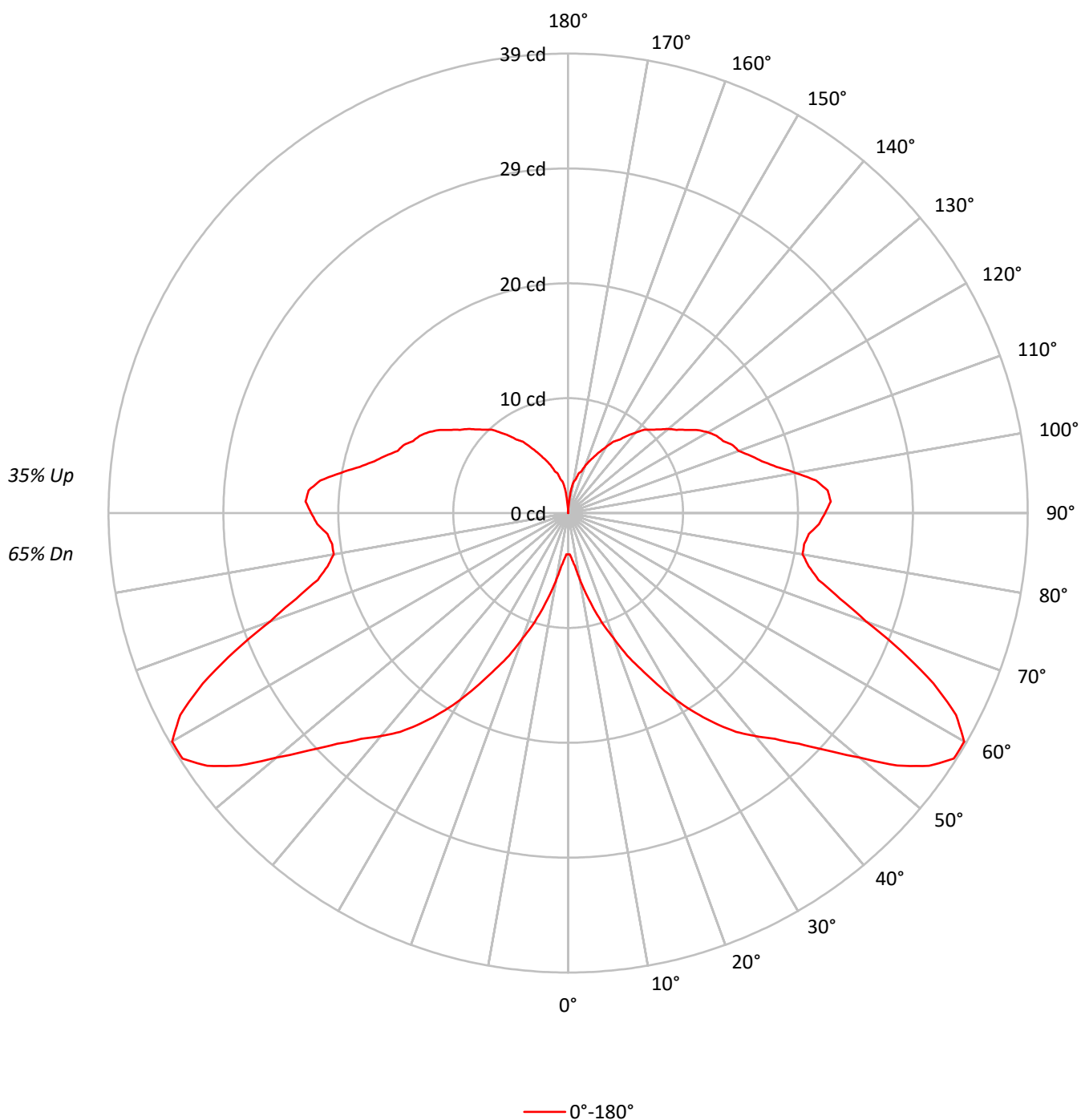
Lumens per Lamp: N/A
Luminaire Lumens: 241.9 lumens
Efficiency: N/A
Efficacy: 22.2 lumens/watt
Spacing Criteria (0/90/45): 4.8 / 4.8 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 10.9
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

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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
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°	194
5°	216
10°	302
15°	441
20°	592
25°	768
30°	975
35°	1186
40°	1384
45°	1611
50°	1970
55°	2416
60°	2686
65°	2571
70°	2232
75°	2053
80°	2173
85°	2626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 3484 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°	13.7	5.7
40°-50°	21.8	9.0
50°-60°	33.0	13.6
60°-70°	33.4	13.8
70°-80°	23.9	9.9
80°-90°	22.6	9.4
90°-100°	23.5	9.7
100°-110°	18.2	7.5
110°-120°	14.5	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°	9.8	4.1
0°-40°	23.5	9.7
0°-60°	78.3	32.4
0°-90°	158.3	65.4
90°-120°	56.2	23.2
90°-150°	80.0	33.1
90°-180°	84.0	34.7
0°-180°	241.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	4	0
15°	8	2
25°	15	7
35°	22	14
45°	28	22
55°	37	33
65°	34	33
75°	22	24
85°	20	17
90°	22	12
95°	22	17
105°	17	18
115°	14	14
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°	5.7
12.5°	7.0
15°	8.4
17.5°	9.9
20°	11.3
22.5°	13.1
25°	14.6
27.5°	16.4
30°	18.3
32.5°	20.1
35°	21.8
37.5°	23.4
40°	24.7
42.5°	26.0
45°	27.7
47.5°	29.8
50°	32.3
52.5°	35.2
55°	37.4
57.5°	38.8
60°	38.8
62.5°	37.1
65°	34.2
67.5°	30.6
70°	26.9
72.5°	24.2
75°	22.0
77.5°	20.9
80°	20.2
82.5°	20.2
85°	20.5
87.5°	21.3
90°	21.8
92.5°	22.3
95°	22.1
97.5°	21.2
100°	19.6
102.5°	18.1
105°	17.0
107.5°	16.2
110°	15.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	15.1
115°	14.5
117.5°	14.2
120°	13.7
122.5°	13.1
125°	12.3
127.5°	11.6
130°	11.1
132.5°	10.5
135°	10.0
137.5°	9.6
140°	8.9
142.5°	8.3
145°	7.6
147.5°	7.2
150°	6.5
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)