

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: P1503519

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503519
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

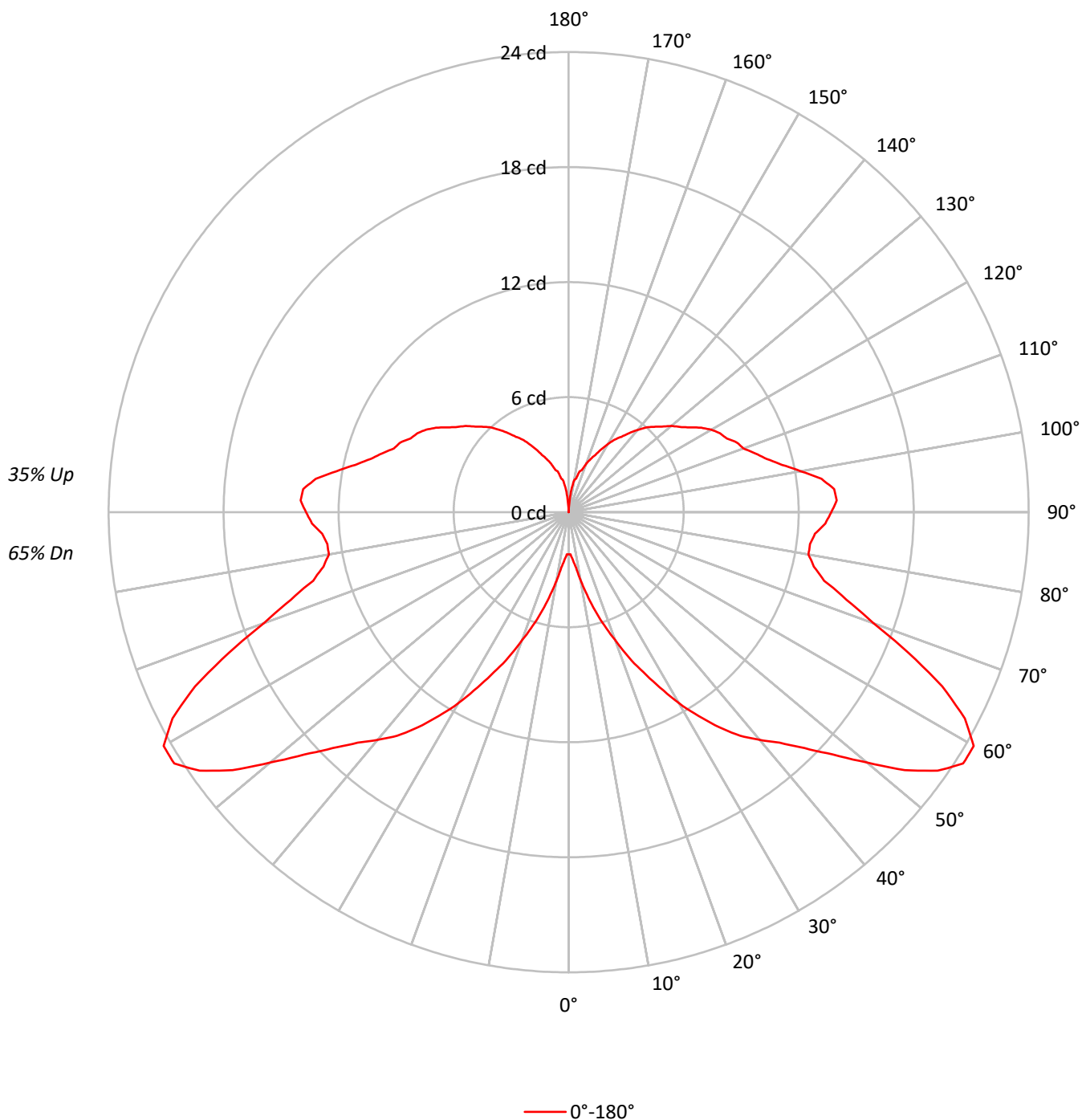
Lumens per Lamp: N/A
Luminaire Lumens: 152.0 lumens
Efficiency: N/A
Efficacy: 23.0 lumens/watt
Spacing Criteria (0/90/45): 4.8 / 4.8 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 6.6
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°	122
5°	135
10°	191
15°	278
20°	372
25°	484
30°	613
35°	746
40°	868
45°	1012
50°	1238
55°	1518
60°	1689
65°	1616
70°	1402
75°	1288
80°	1366
85°	1652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2189 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.2
10°-20°	1.6	1.0
20°-30°	4.3	2.9
30°-40°	8.6	5.7
40°-50°	13.7	9.0
50°-60°	20.8	13.7
60°-70°	21.0	13.8
70°-80°	15.0	9.9
80°-90°	14.2	9.4
90°-100°	14.8	9.7
100°-110°	11.5	7.5
110°-120°	9.1	6.0
120°-130°	7.0	4.6
130°-140°	4.9	3.2
140°-150°	3.1	2.0
150°-160°	1.6	1.0
160°-170°	0.6	0.4
170°-180°	0.1	0.1
0°-30°	6.2	4.1
0°-40°	14.8	9.7
0°-60°	49.2	32.4
0°-90°	99.4	65.4
90°-120°	35.3	23.3
90°-150°	50.3	33.1
90°-180°	53.0	34.9
0°-180°	152.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2	
5°	2	0
15°	5	2
25°	9	4
35°	14	9
45°	17	14
55°	24	21
65°	22	21
75°	14	15
85°	13	11
90°	14	8
95°	14	11
105°	11	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°	2.2
2.5°	2.2
5°	2.5
7.5°	2.9
10°	3.6
12.5°	4.4
15°	5.3
17.5°	6.2
20°	7.1
22.5°	8.2
25°	9.2
27.5°	10.3
30°	11.5
32.5°	12.6
35°	13.7
37.5°	14.7
40°	15.5
42.5°	16.3
45°	17.4
47.5°	18.7
50°	20.3
52.5°	22.1
55°	23.5
57.5°	24.4
60°	24.4
62.5°	23.3
65°	21.5
67.5°	19.2
70°	16.9
72.5°	15.2
75°	13.8
77.5°	13.1
80°	12.7
82.5°	12.7
85°	12.9
87.5°	13.4
90°	13.7
92.5°	14.0
95°	13.9
97.5°	13.3
100°	12.3
102.5°	11.4
105°	10.7
107.5°	10.2
110°	9.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.5
115°	9.1
117.5°	8.9
120°	8.6
122.5°	8.2
125°	7.7
127.5°	7.3
130°	7.0
132.5°	6.6
135°	6.3
137.5°	6.0
140°	5.6
142.5°	5.2
145°	4.8
147.5°	4.5
150°	4.1
152.5°	3.7
155°	3.3
157.5°	3.0
160°	2.7
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)