

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: P1503531

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503531
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 (5000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

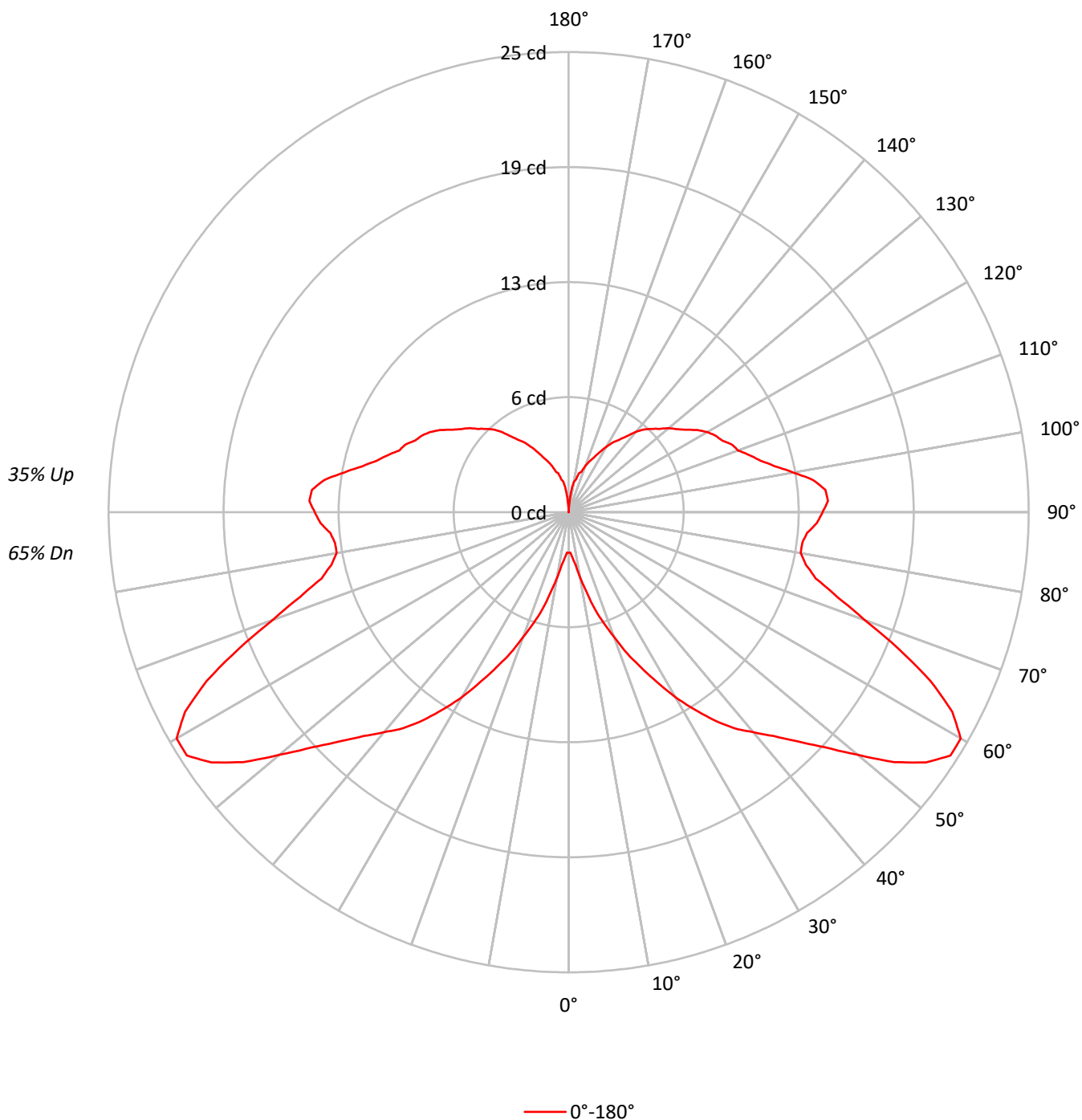
Lumens per Lamp: N/A
Luminaire Lumens: 153.3 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 4.81 / 4.81 / 4.14
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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	
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°	283
20°	377
25°	489
30°	618
35°	751
40°	874
45°	1024
50°	1250
55°	1531
60°	1703
65°	1632
70°	1419
75°	1297
80°	1377
85°	1665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2205 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°	4.4	2.9
30°-40°	8.7	5.7
40°-50°	13.8	9.0
50°-60°	20.9	13.6
60°-70°	21.2	13.8
70°-80°	15.2	9.9
80°-90°	14.3	9.4
90°-100°	14.9	9.7
100°-110°	11.6	7.5
110°-120°	9.2	6.0
120°-130°	7.1	4.6
130°-140°	5.0	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°	14.9	9.7
0°-60°	49.6	32.4
0°-90°	100.3	65.4
90°-120°	35.7	23.3
90°-150°	50.8	33.1
90°-180°	53.0	34.6
0°-180°	153.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2	
5°	2	0
15°	5	2
25°	9	4
35°	14	9
45°	18	14
55°	24	21
65°	22	21
75°	14	15
85°	13	11
90°	14	8
95°	14	11
105°	11	12
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°	5.4
17.5°	6.3
20°	7.2
22.5°	8.3
25°	9.3
27.5°	10.4
30°	11.6
32.5°	12.7
35°	13.8
37.5°	14.8
40°	15.6
42.5°	16.5
45°	17.6
47.5°	18.9
50°	20.5
52.5°	22.3
55°	23.7
57.5°	24.6
60°	24.6
62.5°	23.5
65°	21.7
67.5°	19.4
70°	17.1
72.5°	15.3
75°	13.9
77.5°	13.2
80°	12.8
82.5°	12.8
85°	13.0
87.5°	13.5
90°	13.8
92.5°	14.1
95°	14.0
97.5°	13.4
100°	12.4
102.5°	11.5
105°	10.8
107.5°	10.3
110°	9.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.6
115°	9.2
117.5°	9.0
120°	8.7
122.5°	8.3
125°	7.8
127.5°	7.4
130°	7.1
132.5°	6.7
135°	6.4
137.5°	6.1
140°	5.7
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)