

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: P1503570

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-SMGY-VF (3500K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503570
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-D2W-XXXX-SMGY-VF (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

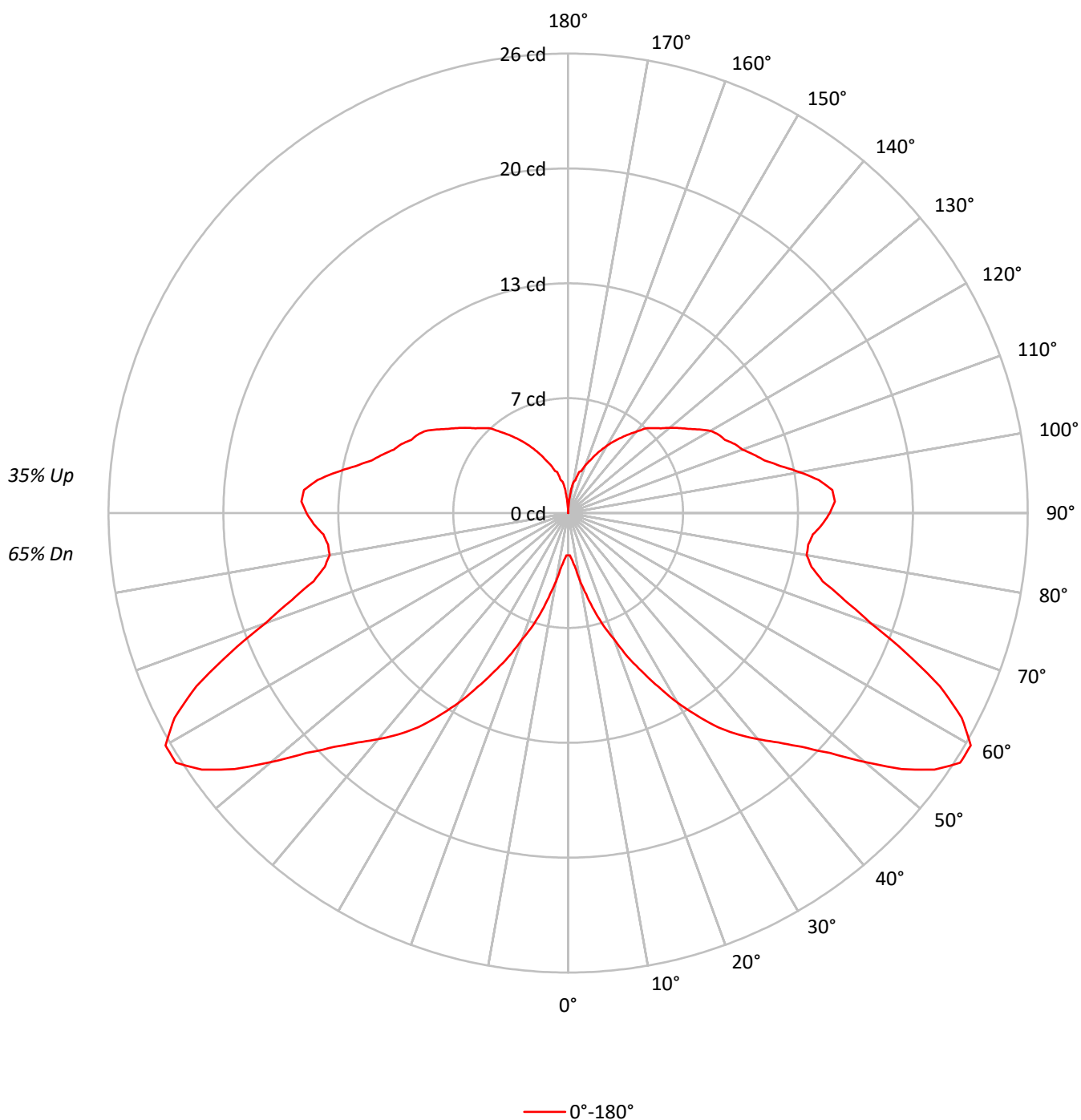
Lumens per Lamp: N/A
Luminaire Lumens: 163.8 lumens
Efficiency: N/A
Efficacy: 23.7 lumens/watt
Spacing Criteria (0/90/45): 4.78 / 4.78 / 4.11
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 6.9
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	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°	133
5°	146
10°	207
15°	299
20°	398
25°	521
30°	661
35°	805
40°	936
45°	1088
50°	1336
55°	1634
60°	1821
65°	1744
70°	1510
75°	1390
80°	1474
85°	1780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.2
10°-20°	1.7	1.0
20°-30°	4.7	2.9
30°-40°	9.3	5.7
40°-50°	14.7	9.0
50°-60°	22.4	13.7
60°-70°	22.6	13.8
70°-80°	16.2	9.9
80°-90°	15.3	9.4
90°-100°	15.9	9.7
100°-110°	12.4	7.5
110°-120°	9.8	6.0
120°-130°	7.5	4.6
130°-140°	5.3	3.2
140°-150°	3.3	2.0
150°-160°	1.7	1.0
160°-170°	0.7	0.4
170°-180°	0.1	0.1
0°-30°	6.6	4.1
0°-40°	15.9	9.7
0°-60°	53.0	32.4
0°-90°	107.1	65.4
90°-120°	38.1	23.3
90°-150°	54.2	33.1
90°-180°	57.0	34.8
0°-180°	163.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2	
5°	3	0
15°	6	2
25°	10	5
35°	15	9
45°	19	15
55°	25	22
65°	23	23
75°	15	16
85°	14	11
90°	15	8
95°	15	12
105°	12	12
115°	10	10
125°	8	8
135°	7	5
145°	5	3
155°	4	2
165°	2	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2.4
2.5°	2.4
5°	2.7
7.5°	3.1
10°	3.9
12.5°	4.7
15°	5.7
17.5°	6.7
20°	7.6
22.5°	8.8
25°	9.9
27.5°	11.1
30°	12.4
32.5°	13.6
35°	14.8
37.5°	15.8
40°	16.7
42.5°	17.6
45°	18.7
47.5°	20.1
50°	21.9
52.5°	23.8
55°	25.3
57.5°	26.3
60°	26.3
62.5°	25.1
65°	23.2
67.5°	20.7
70°	18.2
72.5°	16.4
75°	14.9
77.5°	14.1
80°	13.7
82.5°	13.7
85°	13.9
87.5°	14.4
90°	14.8
92.5°	15.1
95°	15.0
97.5°	14.3
100°	13.3
102.5°	12.3
105°	11.5
107.5°	11.0
110°	10.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.2
115°	9.8
117.5°	9.6
120°	9.3
122.5°	8.8
125°	8.3
127.5°	7.9
130°	7.5
132.5°	7.1
135°	6.8
137.5°	6.5
140°	6.0
142.5°	5.6
145°	5.2
147.5°	4.8
150°	4.4
152.5°	4.0
155°	3.6
157.5°	3.2
160°	2.9
162.5°	2.5
165°	2.4
167.5°	1.9
170°	1.8
172.5°	1.4
175°	0.8
177.5°	0.1
180°	0.0

(END OF REPORT)