

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: P1503566

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-SMGY-VF (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503566
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 (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 - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

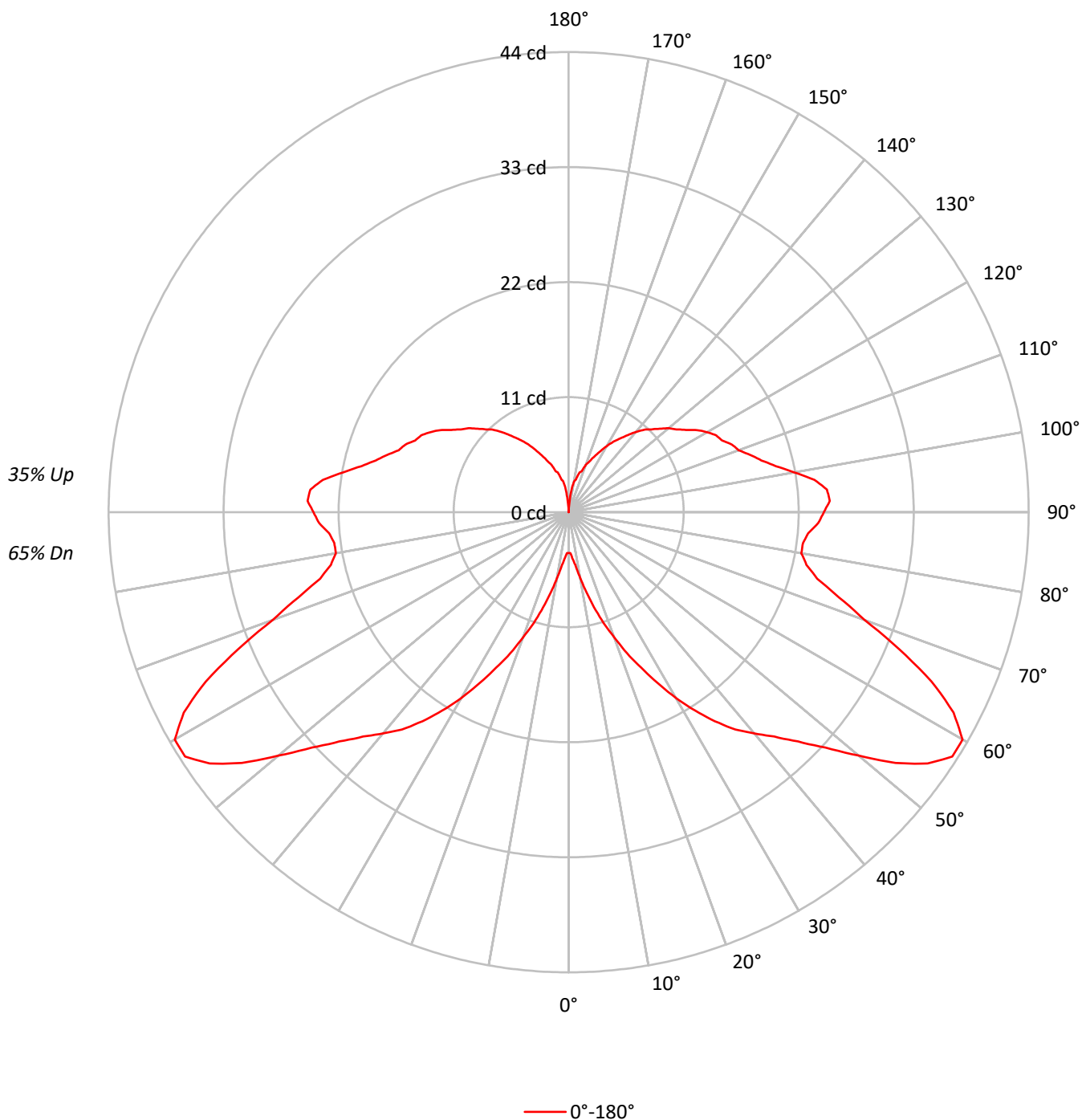
Lumens per Lamp: N/A
Luminaire Lumens: 270.8 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 4.8 / 4.8 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 11.5
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	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	15	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°	216
5°	243
10°	339
15°	493
20°	665
25°	863
30°	1093
35°	1328
40°	1546
45°	1803
50°	2208
55°	2707
60°	3011
65°	2880
70°	2497
75°	2296
80°	2431
85°	2946

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 3899 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.2
10°-20°	2.8	1.0
20°-30°	7.7	2.9
30°-40°	15.3	5.7
40°-50°	24.3	9.0
50°-60°	37.0	13.7
60°-70°	37.3	13.8
70°-80°	26.8	9.9
80°-90°	25.4	9.4
90°-100°	26.4	9.7
100°-110°	20.4	7.5
110°-120°	16.2	6.0
120°-130°	12.4	4.6
130°-140°	8.7	3.2
140°-150°	5.5	2.0
150°-160°	2.8	1.0
160°-170°	1.1	0.4
170°-180°	0.2	0.1
0°-30°	11.0	4.1
0°-40°	26.3	9.7
0°-60°	87.7	32.4
0°-90°	177.2	65.4
90°-120°	63.0	23.3
90°-150°	89.6	33.1
90°-180°	94.0	34.7
0°-180°	270.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	4	0
15°	9	3
25°	16	8
35°	24	15
45°	31	24
55°	42	37
65°	38	37
75°	25	27
85°	23	19
90°	24	13
95°	25	20
105°	19	20
115°	16	16
125°	14	12
135°	11	9
145°	9	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3.9
2.5°	3.9
5°	4.5
7.5°	5.2
10°	6.4
12.5°	7.8
15°	9.4
17.5°	11.1
20°	12.7
22.5°	14.6
25°	16.4
27.5°	18.4
30°	20.5
32.5°	22.5
35°	24.4
37.5°	26.2
40°	27.6
42.5°	29.1
45°	31.0
47.5°	33.3
50°	36.2
52.5°	39.4
55°	41.9
57.5°	43.5
60°	43.5
62.5°	41.5
65°	38.3
67.5°	34.2
70°	30.1
72.5°	27.1
75°	24.6
77.5°	23.3
80°	22.6
82.5°	22.6
85°	23.0
87.5°	23.9
90°	24.4
92.5°	25.0
95°	24.8
97.5°	23.7
100°	21.9
102.5°	20.3
105°	19.1
107.5°	18.2
110°	17.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	16.9
115°	16.2
117.5°	15.9
120°	15.3
122.5°	14.6
125°	13.7
127.5°	13.0
130°	12.5
132.5°	11.8
135°	11.2
137.5°	10.7
140°	10.0
142.5°	9.3
145°	8.6
147.5°	8.0
150°	7.3
152.5°	6.6
155°	5.9
157.5°	5.3
160°	4.8
162.5°	4.1
165°	3.9
167.5°	3.2
170°	3.0
172.5°	2.3
175°	1.2
177.5°	0.2
180°	0.0

(END OF REPORT)