

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: P1503565

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-SMGY-VF (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503565
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 (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

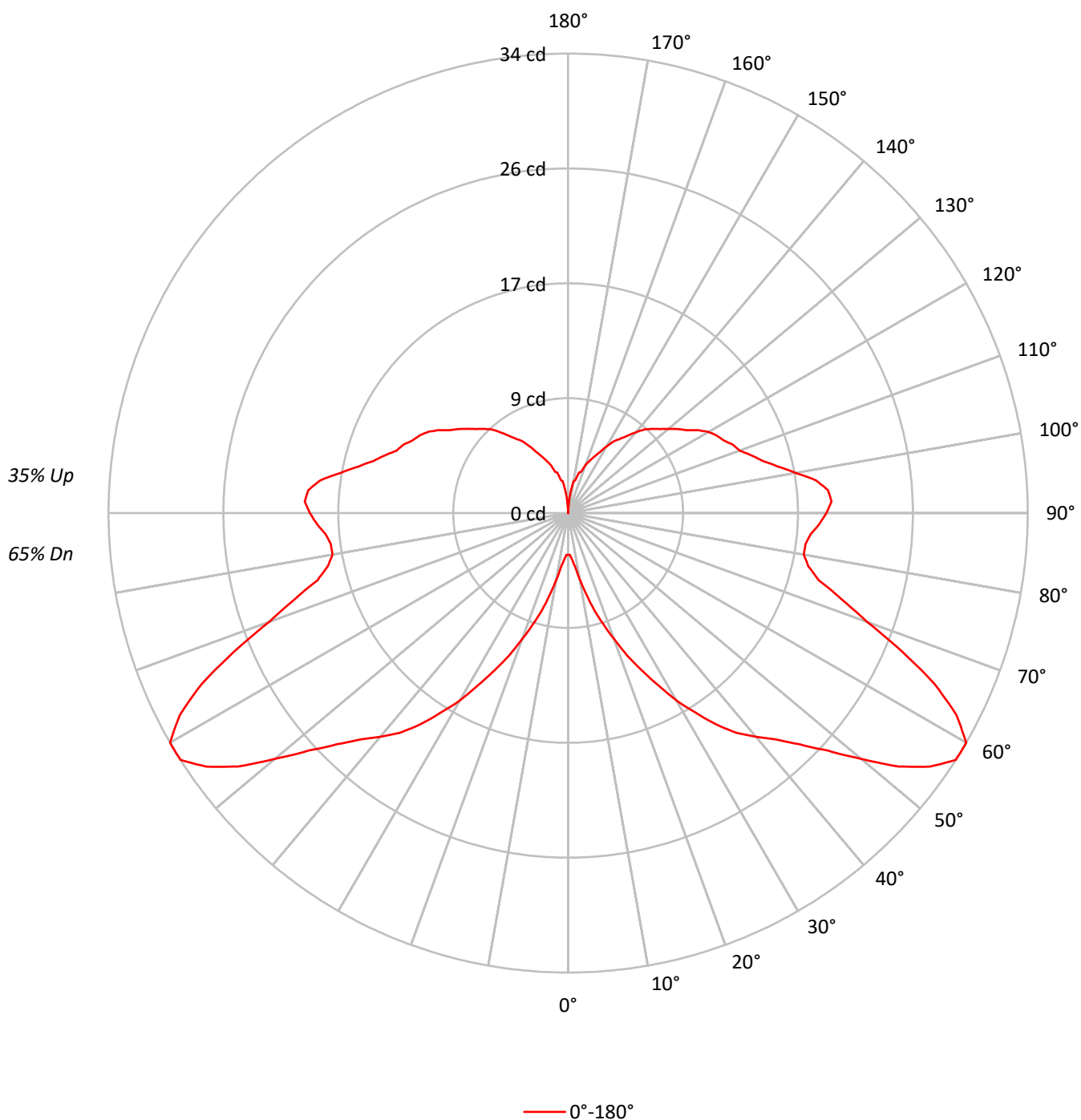
Lumens per Lamp: N/A
Luminaire Lumens: 211.6 lumens
Efficiency: N/A
Efficacy: 24.0 lumens/watt
Spacing Criteria (0/90/45): 4.78 / 4.78 / 4.11
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 8.8
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°	172
5°	189
10°	265
15°	388
20°	518
25°	674
30°	853
35°	1039
40°	1210
45°	1408
50°	1726
55°	2112
60°	2354
65°	2248
70°	1950
75°	1792
80°	1904
85°	2306

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 3052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.2
10°-20°	2.2	1.0
20°-30°	6.0	2.9
30°-40°	12.0	5.7
40°-50°	19.0	9.0
50°-60°	28.9	13.7
60°-70°	29.2	13.8
70°-80°	20.9	9.9
80°-90°	19.8	9.4
90°-100°	20.6	9.7
100°-110°	16.0	7.5
110°-120°	12.7	6.0
120°-130°	9.7	4.6
130°-140°	6.8	3.2
140°-150°	4.3	2.0
150°-160°	2.2	1.0
160°-170°	0.9	0.4
170°-180°	0.1	0.1
0°-30°	8.6	4.1
0°-40°	20.6	9.7
0°-60°	68.5	32.4
0°-90°	138.4	65.4
90°-120°	49.2	23.3
90°-150°	70.0	33.1
90°-180°	73.0	34.5
0°-180°	211.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3	
5°	4	0
15°	7	2
25°	13	6
35°	19	12
45°	24	19
55°	33	29
65°	30	29
75°	19	21
85°	18	15
90°	19	10
95°	19	15
105°	15	16
115°	13	13
125°	11	10
135°	9	7
145°	7	4
155°	5	2
165°	3	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3.1
2.5°	3.1
5°	3.5
7.5°	4.0
10°	5.0
12.5°	6.1
15°	7.4
17.5°	8.6
20°	9.9
22.5°	11.4
25°	12.8
27.5°	14.3
30°	16.0
32.5°	17.5
35°	19.1
37.5°	20.5
40°	21.6
42.5°	22.7
45°	24.2
47.5°	26.0
50°	28.3
52.5°	30.8
55°	32.7
57.5°	34.0
60°	34.0
62.5°	32.4
65°	29.9
67.5°	26.7
70°	23.5
72.5°	21.2
75°	19.2
77.5°	18.2
80°	17.7
82.5°	17.7
85°	18.0
87.5°	18.6
90°	19.1
92.5°	19.5
95°	19.3
97.5°	18.5
100°	17.1
102.5°	15.9
105°	14.9
107.5°	14.2
110°	13.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.2
115°	12.7
117.5°	12.4
120°	12.0
122.5°	11.4
125°	10.7
127.5°	10.2
130°	9.7
132.5°	9.2
135°	8.8
137.5°	8.4
140°	7.8
142.5°	7.2
145°	6.7
147.5°	6.3
150°	5.7
152.5°	5.1
155°	4.6
157.5°	4.2
160°	3.8
162.5°	3.2
165°	3.1
167.5°	2.5
170°	2.4
172.5°	1.8
175°	1.0
177.5°	0.1
180°	0.0

(END OF REPORT)