

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: P1503577

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-SMGY-VF (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503577
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

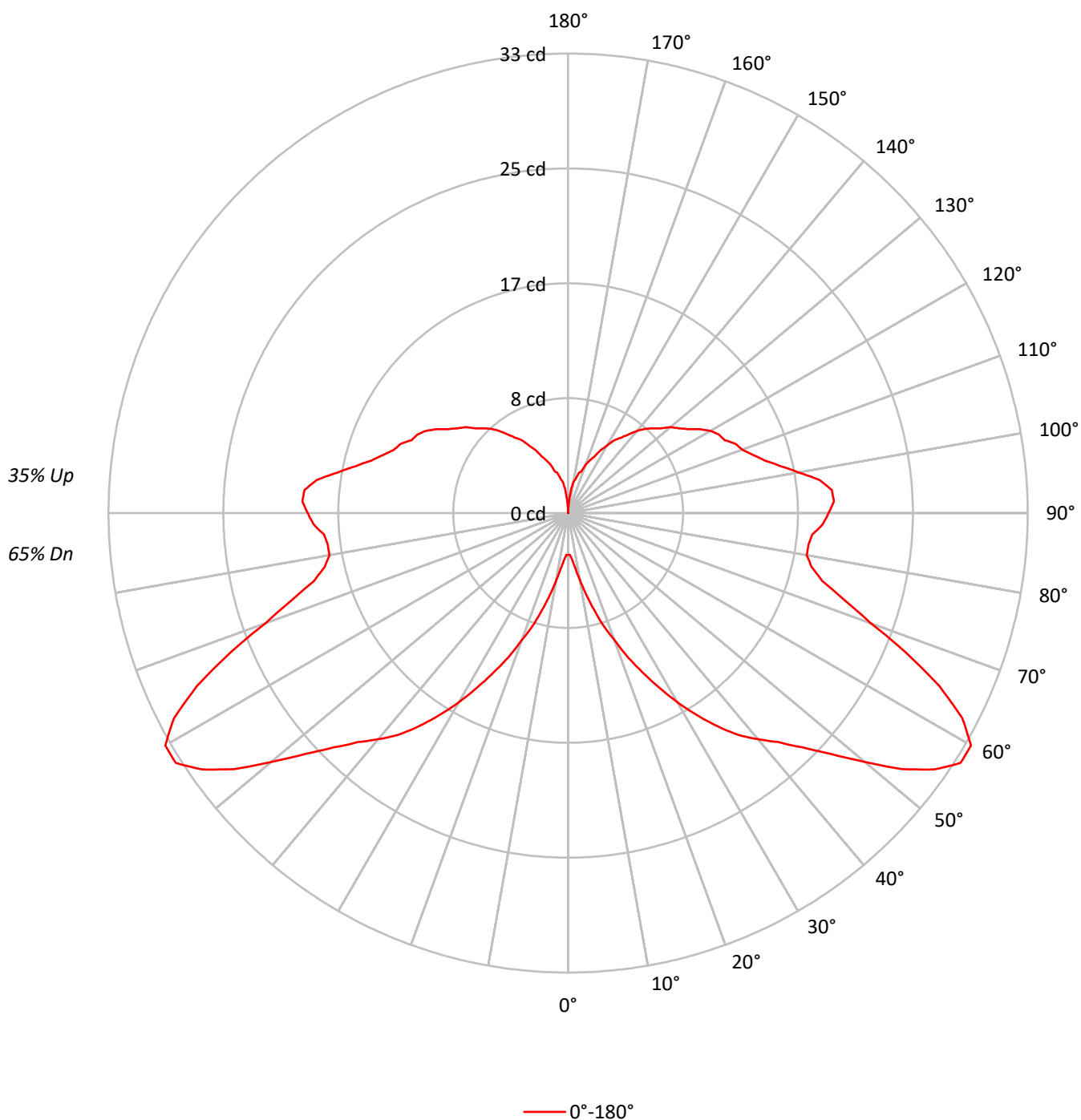
Lumens per Lamp: N/A
Luminaire Lumens: 207.8 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 4.8 / 4.8 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 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°	166
5°	183
10°	260
15°	378
20°	508
25°	663
30°	837
35°	1018
40°	1188
45°	1385
50°	1695
55°	2074
60°	2312
65°	2210
70°	1916
75°	1764
80°	1872
85°	2254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2988 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.2
10°-20°	2.1	1.0
20°-30°	5.9	2.9
30°-40°	11.8	5.7
40°-50°	18.7	9.0
50°-60°	28.4	13.7
60°-70°	28.7	13.8
70°-80°	20.6	9.9
80°-90°	19.5	9.4
90°-100°	20.2	9.7
100°-110°	15.7	7.5
110°-120°	12.5	6.0
120°-130°	9.5	4.6
130°-140°	6.7	3.2
140°-150°	4.2	2.0
150°-160°	2.1	1.0
160°-170°	0.8	0.4
170°-180°	0.1	0.1
0°-30°	8.4	4.1
0°-40°	20.2	9.7
0°-60°	67.3	32.4
0°-90°	136.0	65.4
90°-120°	48.3	23.2
90°-150°	68.7	33.1
90°-180°	72.0	34.6
0°-180°	207.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3	
5°	3	0
15°	7	2
25°	13	6
35°	19	12
45°	24	19
55°	32	28
65°	29	29
75°	19	21
85°	18	14
90°	19	10
95°	19	15
105°	15	16
115°	12	12
125°	10	10
135°	9	7
145°	7	4
155°	4	2
165°	3	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3.0
2.5°	3.0
5°	3.4
7.5°	4.0
10°	4.9
12.5°	6.0
15°	7.2
17.5°	8.5
20°	9.7
22.5°	11.2
25°	12.6
27.5°	14.1
30°	15.7
32.5°	17.2
35°	18.7
37.5°	20.1
40°	21.2
42.5°	22.3
45°	23.8
47.5°	25.6
50°	27.8
52.5°	30.2
55°	32.1
57.5°	33.4
60°	33.4
62.5°	31.9
65°	29.4
67.5°	26.3
70°	23.1
72.5°	20.8
75°	18.9
77.5°	17.9
80°	17.4
82.5°	17.4
85°	17.6
87.5°	18.3
90°	18.7
92.5°	19.1
95°	19.0
97.5°	18.2
100°	16.8
102.5°	15.6
105°	14.6
107.5°	13.9
110°	13.3

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CATALOG NUMBER: PRLX-SM4-01-LS-FS-D2W-XXXX-SMGY-VF (5000K-800LM)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.0
115°	12.4
117.5°	12.2
120°	11.8
122.5°	11.2
125°	10.5
127.5°	10.0
130°	9.6
132.5°	9.0
135°	8.6
137.5°	8.2
140°	7.7
142.5°	7.1
145°	6.6
147.5°	6.2
150°	5.6
152.5°	5.1
155°	4.5
157.5°	4.1
160°	3.7
162.5°	3.1
165°	3.0
167.5°	2.5
170°	2.3
172.5°	1.8
175°	1.0
177.5°	0.1
180°	0.0

(END OF REPORT)