

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: P1503523

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503523
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 (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

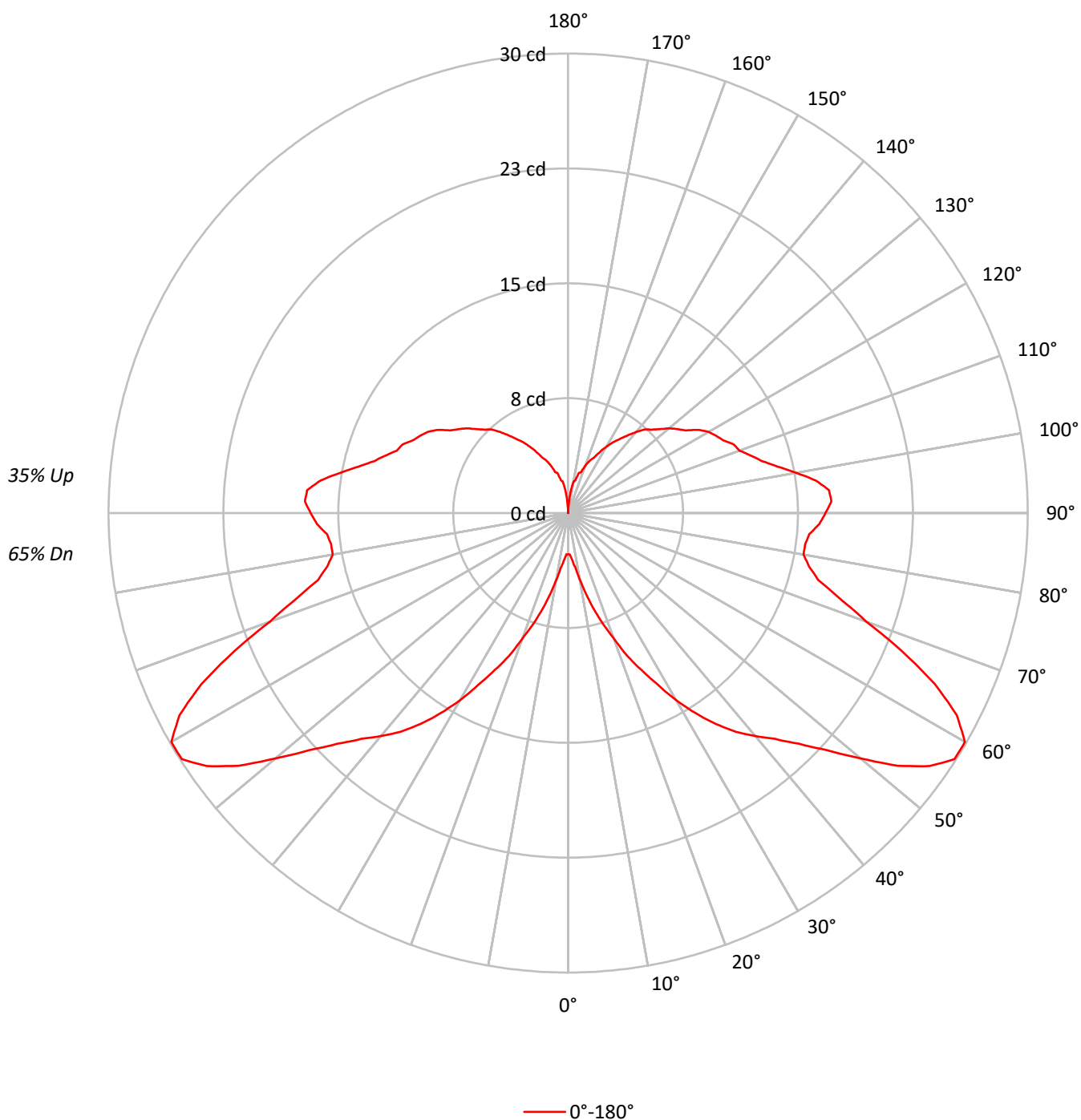
Lumens per Lamp: N/A
Luminaire Lumens: 186.4 lumens
Efficiency: N/A
Efficacy: 22.5 lumens/watt
Spacing Criteria (0/90/45): 4.8 / 4.8 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 8.3
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

TEST NUMBER: P1503523

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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	44		
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°	150
5°	167
10°	233
15°	341
20°	455
25°	595
30°	752
35°	914
40°	1064
45°	1239
50°	1519
55°	1860
60°	2070
65°	1985
70°	1717
75°	1577
80°	1678
85°	2024

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2685 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.2
10°-20°	1.9	1.0
20°-30°	5.3	2.9
30°-40°	10.6	5.7
40°-50°	16.7	9.0
50°-60°	25.4	13.6
60°-70°	25.7	13.8
70°-80°	18.4	9.9
80°-90°	17.5	9.4
90°-100°	18.2	9.7
100°-110°	14.1	7.5
110°-120°	11.2	6.0
120°-130°	8.6	4.6
130°-140°	6.0	3.2
140°-150°	3.8	2.0
150°-160°	1.9	1.0
160°-170°	0.8	0.4
170°-180°	0.1	0.1
0°-30°	7.6	4.1
0°-40°	18.1	9.7
0°-60°	60.3	32.3
0°-90°	121.9	65.4
90°-120°	43.4	23.3
90°-150°	61.7	33.1
90°-180°	65.0	34.9
0°-180°	186.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3	
5°	3	0
15°	6	2
25°	11	5
35°	17	11
45°	21	17
55°	29	25
65°	26	26
75°	17	18
85°	16	13
90°	17	9
95°	17	13
105°	13	14
115°	11	11
125°	9	9
135°	8	6
145°	6	4
155°	4	2
165°	3	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2.7
2.5°	2.7
5°	3.1
7.5°	3.6
10°	4.4
12.5°	5.4
15°	6.5
17.5°	7.6
20°	8.7
22.5°	10.1
25°	11.3
27.5°	12.6
30°	14.1
32.5°	15.5
35°	16.8
37.5°	18.0
40°	19.0
42.5°	20.0
45°	21.3
47.5°	22.9
50°	24.9
52.5°	27.1
55°	28.8
57.5°	29.9
60°	29.9
62.5°	28.6
65°	26.4
67.5°	23.6
70°	20.7
72.5°	18.6
75°	16.9
77.5°	16.1
80°	15.6
82.5°	15.6
85°	15.8
87.5°	16.4
90°	16.8
92.5°	17.2
95°	17.1
97.5°	16.3
100°	15.1
102.5°	14.0
105°	13.1
107.5°	12.5
110°	11.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.7
115°	11.2
117.5°	10.9
120°	10.6
122.5°	10.1
125°	9.4
127.5°	9.0
130°	8.6
132.5°	8.1
135°	7.7
137.5°	7.4
140°	6.9
142.5°	6.4
145°	5.9
147.5°	5.5
150°	5.0
152.5°	4.5
155°	4.0
157.5°	3.7
160°	3.3
162.5°	2.8
165°	2.7
167.5°	2.2
170°	2.1
172.5°	1.6
175°	0.9
177.5°	0.1
180°	0.0

(END OF REPORT)