

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: P1503529

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503529
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 (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

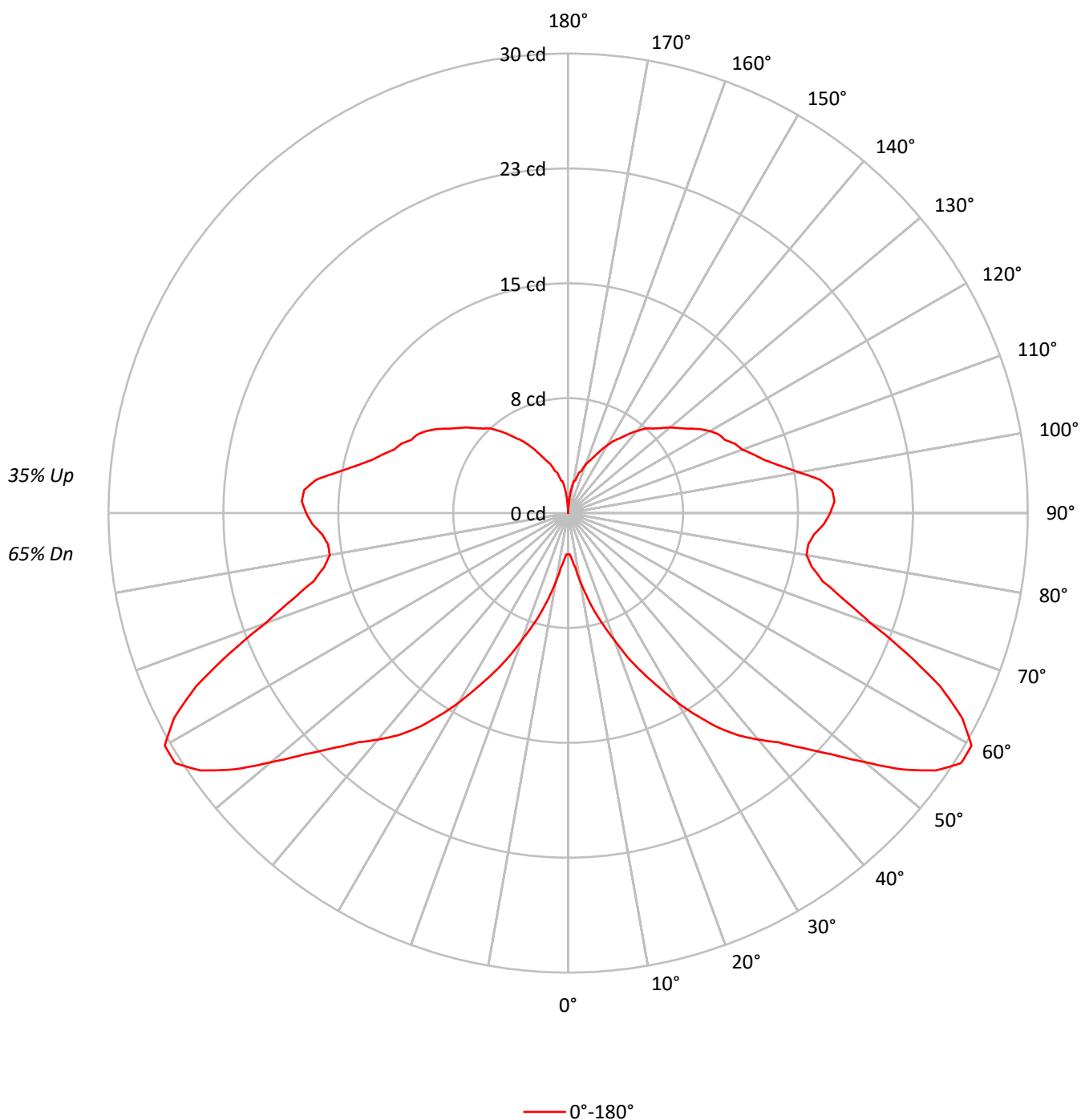
Lumens per Lamp: N/A
Luminaire Lumens: 189.2 lumens
Efficiency: N/A
Efficacy: 23.1 lumens/watt
Spacing Criteria (0/90/45): 4.82 / 4.82 / 4.14
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 8.2
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°	150
5°	167
10°	239
15°	346
20°	461
25°	605
30°	762
35°	931
40°	1081
45°	1262
50°	1543
55°	1893
60°	2105
65°	2015
70°	1742
75°	1605
80°	1699
85°	2062

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2733 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°	5.4	2.9
30°-40°	10.7	5.7
40°-50°	17.0	9.0
50°-60°	25.9	13.7
60°-70°	26.1	13.8
70°-80°	18.7	9.9
80°-90°	17.7	9.4
90°-100°	18.4	9.7
100°-110°	14.3	7.5
110°-120°	11.3	6.0
120°-130°	8.7	4.6
130°-140°	6.1	3.2
140°-150°	3.8	2.0
150°-160°	2.0	1.0
160°-170°	0.8	0.4
170°-180°	0.1	0.1
0°-30°	7.7	4.1
0°-40°	18.4	9.7
0°-60°	61.3	32.4
0°-90°	123.8	65.4
90°-120°	44.0	23.3
90°-150°	62.6	33.1
90°-180°	65.0	34.3
0°-180°	189.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3	
5°	3	0
15°	7	2
25°	12	5
35°	17	11
45°	22	17
55°	29	26
65°	27	26
75°	17	19
85°	16	13
90°	17	9
95°	17	14
105°	13	14
115°	11	11
125°	10	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°	4.5
12.5°	5.5
15°	6.6
17.5°	7.7
20°	8.8
22.5°	10.2
25°	11.5
27.5°	12.8
30°	14.3
32.5°	15.7
35°	17.1
37.5°	18.3
40°	19.3
42.5°	20.3
45°	21.7
47.5°	23.3
50°	25.3
52.5°	27.5
55°	29.3
57.5°	30.4
60°	30.4
62.5°	29.0
65°	26.8
67.5°	23.9
70°	21.0
72.5°	18.9
75°	17.2
77.5°	16.3
80°	15.8
82.5°	15.8
85°	16.1
87.5°	16.7
90°	17.1
92.5°	17.4
95°	17.3
97.5°	16.6
100°	15.3
102.5°	14.2
105°	13.3
107.5°	12.7
110°	12.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.8
115°	11.3
117.5°	11.1
120°	10.7
122.5°	10.2
125°	9.6
127.5°	9.1
130°	8.7
132.5°	8.2
135°	7.8
137.5°	7.5
140°	7.0
142.5°	6.5
145°	6.0
147.5°	5.6
150°	5.1
152.5°	4.6
155°	4.1
157.5°	3.7
160°	3.4
162.5°	2.9
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)