

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: P1503532

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503532
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 (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
Ballast/Driver: ELECTRONIC DRIVER

Summary

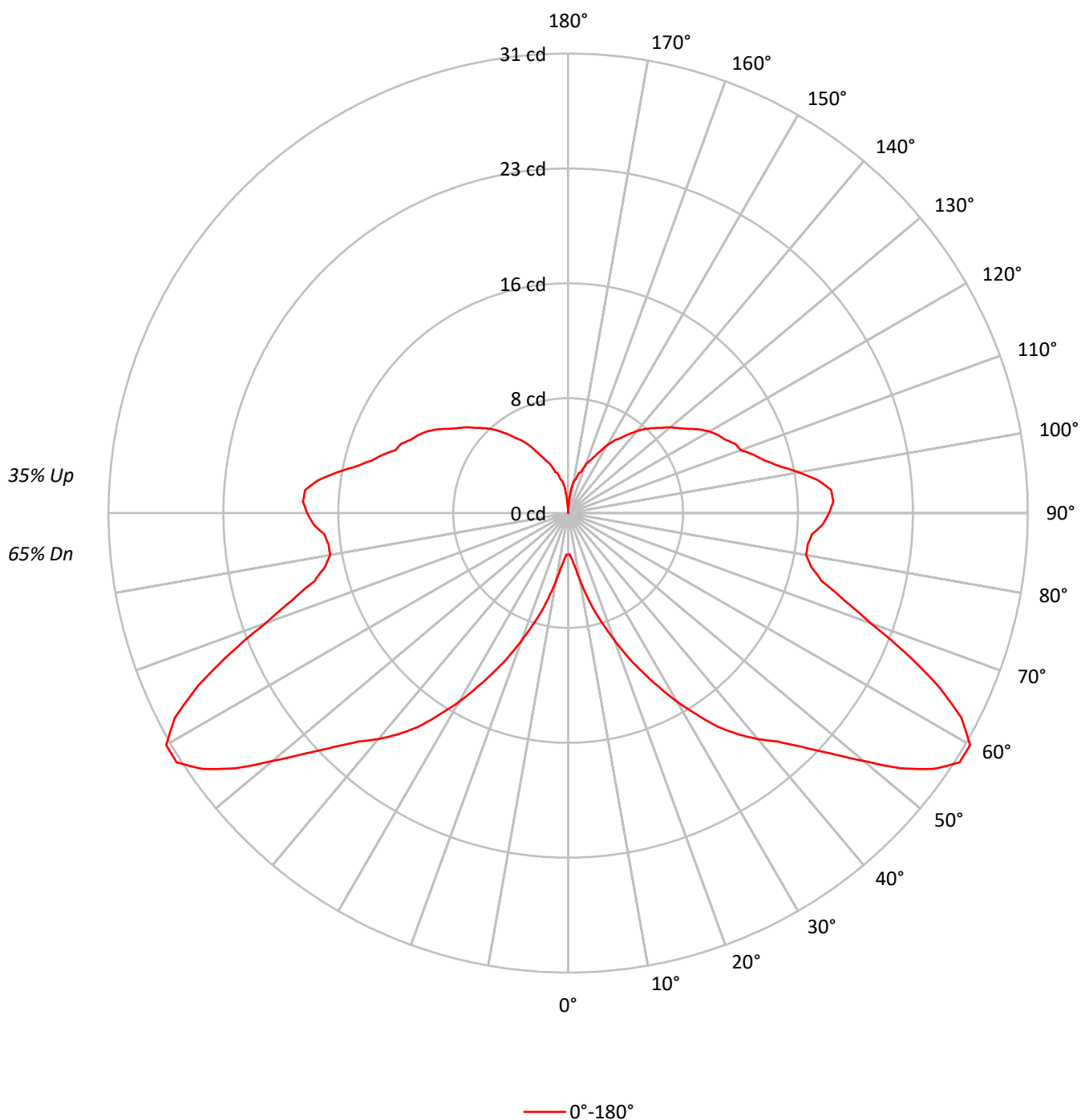
Lumens per Lamp: N/A
Luminaire Lumens: 194.8 lumens
Efficiency: N/A
Efficacy: 23.8 lumens/watt
Spacing Criteria (0/90/45): 4.81 / 4.81 / 4.14
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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

TEST NUMBER: P1503532

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-800LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503532

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-800LM)

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°	155
5°	173
10°	244
15°	357
20°	476
25°	621
30°	783
35°	958
40°	1115
45°	1297
50°	1586
55°	1944
60°	2167
65°	2068
70°	1800
75°	1652
80°	1753
85°	2113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 2813 cd/sqm

TEST NUMBER: P1503532

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-800LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.2
10°-20°	2.0	1.0
20°-30°	5.6	2.9
30°-40°	11.0	5.7
40°-50°	17.5	9.0
50°-60°	26.6	13.6
60°-70°	26.9	13.8
70°-80°	19.3	9.9
80°-90°	18.3	9.4
90°-100°	18.9	9.7
100°-110°	14.7	7.5
110°-120°	11.7	6.0
120°-130°	8.9	4.6
130°-140°	6.3	3.2
140°-150°	3.9	2.0
150°-160°	2.0	1.0
160°-170°	0.8	0.4
170°-180°	0.1	0.1
0°-30°	7.9	4.1
0°-40°	18.9	9.7
0°-60°	63.0	32.4
0°-90°	127.4	65.4
90°-120°	45.3	23.2
90°-150°	64.5	33.1
90°-180°	67.0	34.4
0°-180°	194.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3	
5°	3	0
15°	7	2
25°	12	6
35°	18	11
45°	22	18
55°	30	27
65°	28	27
75°	18	19
85°	16	13
90°	18	10
95°	18	14
105°	14	15
115°	12	12
125°	10	9
135°	8	6
145°	6	4
155°	4	2
165°	3	1
175°	1	0
180°	0	

TEST NUMBER: P1503532

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-800LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	2.8
2.5°	2.8
5°	3.2
7.5°	3.7
10°	4.6
12.5°	5.6
15°	6.8
17.5°	7.9
20°	9.1
22.5°	10.5
25°	11.8
27.5°	13.2
30°	14.7
32.5°	16.1
35°	17.6
37.5°	18.8
40°	19.9
42.5°	20.9
45°	22.3
47.5°	24.0
50°	26.0
52.5°	28.3
55°	30.1
57.5°	31.3
60°	31.3
62.5°	29.9
65°	27.5
67.5°	24.6
70°	21.7
72.5°	19.5
75°	17.7
77.5°	16.8
80°	16.3
82.5°	16.3
85°	16.5
87.5°	17.2
90°	17.6
92.5°	17.9
95°	17.8
97.5°	17.0
100°	15.8
102.5°	14.6
105°	13.7
107.5°	13.1
110°	12.4

TEST NUMBER: P1503532

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-SMGY-VF (5000K-800LM)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.2
115°	11.7
117.5°	11.4
120°	11.0
122.5°	10.5
125°	9.9
127.5°	9.4
130°	9.0
132.5°	8.5
135°	8.1
137.5°	7.7
140°	7.2
142.5°	6.7
145°	6.2
147.5°	5.8
150°	5.3
152.5°	4.7
155°	4.2
157.5°	3.8
160°	3.5
162.5°	2.9
165°	2.8
167.5°	2.3
170°	2.2
172.5°	1.7
175°	0.9
177.5°	0.1
180°	0.0

(END OF REPORT)