

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: P1503503

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-2)
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-DIFF-VF (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

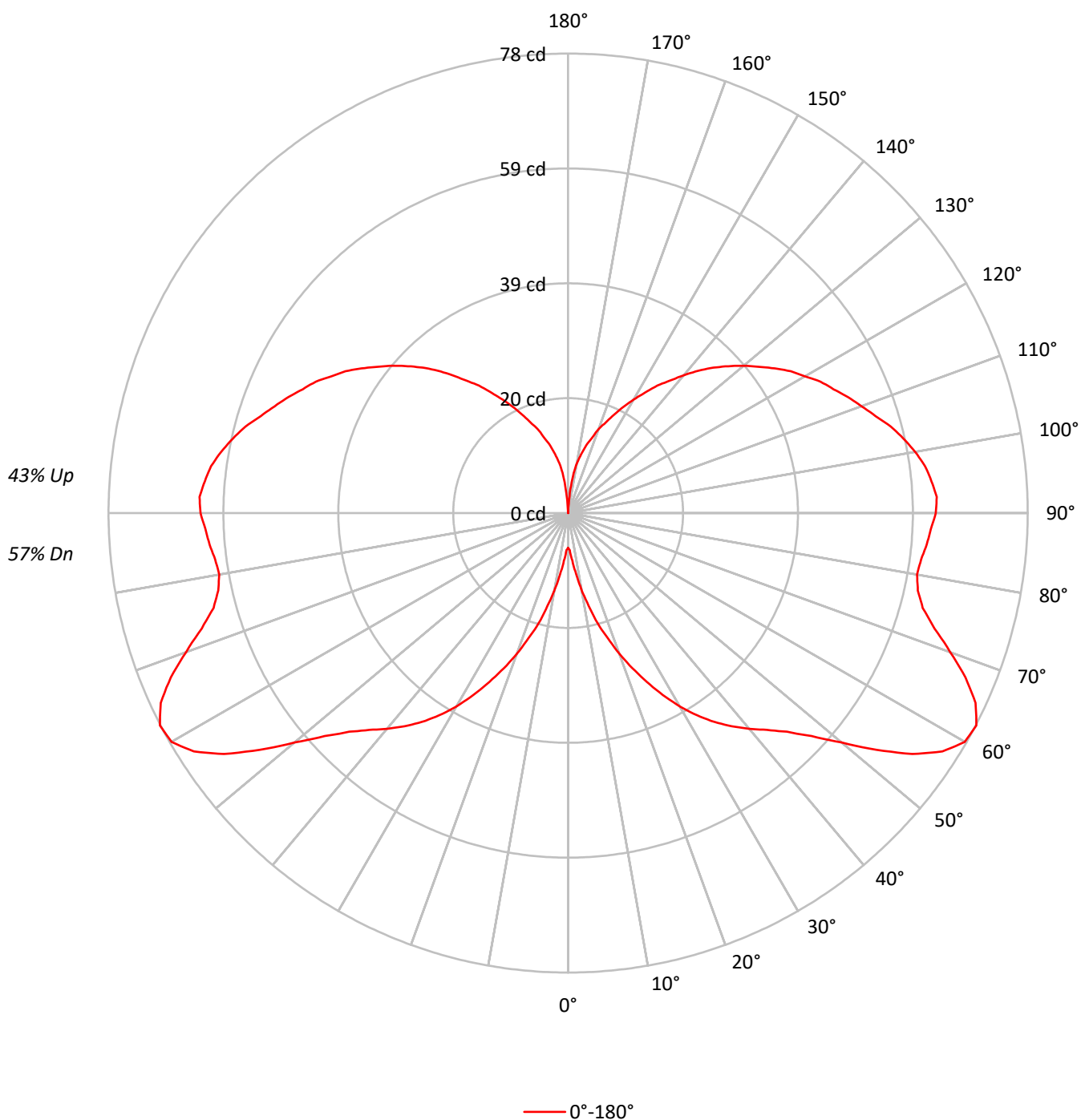
Lumens per Lamp: N/A
Luminaire Lumens: 632.6 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 5.38 / 5.38 / 4.76
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 10.9
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: P1503503

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (2700K-1000LM)

Luminous Intensity Polar Plot



TEST NUMBER: P1503503

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (2700K-1000LM)

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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57		
1	94	87	81	75	86	80	75	70	68	64	60	57	54	51	47	44	42	37		
2	83	73	64	57	76	67	59	53	56	50	45	46	42	38	37	34	31	26		
3	74	62	52	44	68	57	48	41	47	41	35	39	34	29	31	27	23	19		
4	67	53	43	36	61	49	40	33	41	34	28	33	28	23	26	22	18	14		
5	61	46	36	29	55	43	34	27	36	28	23	29	23	19	23	18	15	11		
6	55	41	31	24	51	38	29	22	31	24	19	26	20	15	20	16	12	9		
7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	14	10	7		
8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6		
9	44	30	21	15	40	27	19	14	23	16	12	19	13	10	15	11	7	5		
10	40	27	19	13	37	25	17	12	21	15	10	17	12	8	14	9	6	4		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	327
5°	437
10°	705
15°	1018
20°	1330
25°	1663
30°	2020
35°	2356
40°	2678
45°	3054
50°	3696
55°	4606
60°	5379
65°	5737
70°	5724
75°	5813
80°	6464
85°	7826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 9972 cd/sqm

TEST NUMBER: P1503503

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (2700K-1000LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.1
10°-20°	5.6	0.9
20°-30°	14.8	2.3
30°-40°	27.2	4.3
40°-50°	41.3	6.5
50°-60°	63.3	10.0
60°-70°	74.6	11.8
70°-80°	66.8	10.6
80°-90°	66.7	10.5
90°-100°	67.3	10.6
100°-110°	59.8	9.5
110°-120°	49.4	7.8
120°-130°	38.4	6.1
130°-140°	27.1	4.3
140°-150°	16.6	2.6
150°-160°	8.7	1.4
160°-170°	3.4	0.5
170°-180°	0.5	0.1
0°-30°	21.4	3.4
0°-40°	48.6	7.7
0°-60°	153.2	24.2
0°-90°	361.3	57.1
90°-120°	176.6	27.9
90°-150°	258.7	40.9
90°-180°	271.0	42.8
0°-180°	632.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	19	6
25°	32	15
35°	43	27
45°	52	41
55°	71	63
65°	76	75
75°	62	67
85°	61	50
90°	62	34
95°	62	50
105°	57	60
115°	50	49
125°	43	38
135°	35	27
145°	26	17
155°	18	9
165°	12	3
175°	4	0
180°	0	

TEST NUMBER: P1503503

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (2700K-1000LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	5.9
2.5°	6.3
5°	8.1
7.5°	10.5
10°	13.3
12.5°	16.1
15°	19.4
17.5°	22.2
20°	25.4
22.5°	28.5
25°	31.6
27.5°	34.8
30°	37.9
32.5°	40.7
35°	43.3
37.5°	45.6
40°	47.8
42.5°	49.9
45°	52.5
47.5°	56.0
50°	60.6
52.5°	66.0
55°	71.3
57.5°	75.3
60°	77.7
62.5°	78.1
65°	76.3
67.5°	73.0
70°	69.0
72.5°	65.2
75°	62.3
77.5°	60.8
80°	60.1
82.5°	60.4
85°	61.1
87.5°	61.6
90°	62.4
92.5°	62.6
95°	61.9
97.5°	61.1
100°	59.8
102.5°	58.3
105°	56.7
107.5°	54.7
110°	53.0

TEST NUMBER: P1503503

CATALOG NUMBER: PRLX-SM4-01-LS-FS-010-XXXX-DIFF-VF (2700K-1000LM)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.4
115°	49.7
117.5°	48.3
120°	46.4
122.5°	44.8
125°	42.8
127.5°	40.8
130°	38.9
132.5°	36.9
135°	34.9
137.5°	32.8
140°	30.5
142.5°	28.3
145°	26.4
147.5°	24.2
150°	22.2
152.5°	20.3
155°	18.4
157.5°	16.6
160°	15.2
162.5°	13.3
165°	11.9
167.5°	10.2
170°	8.6
172.5°	6.4
175°	3.5
177.5°	0.2
180°	0.0

(END OF REPORT)