

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: P1503534

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-CLER-VF (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-1)
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-CLER-VF (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

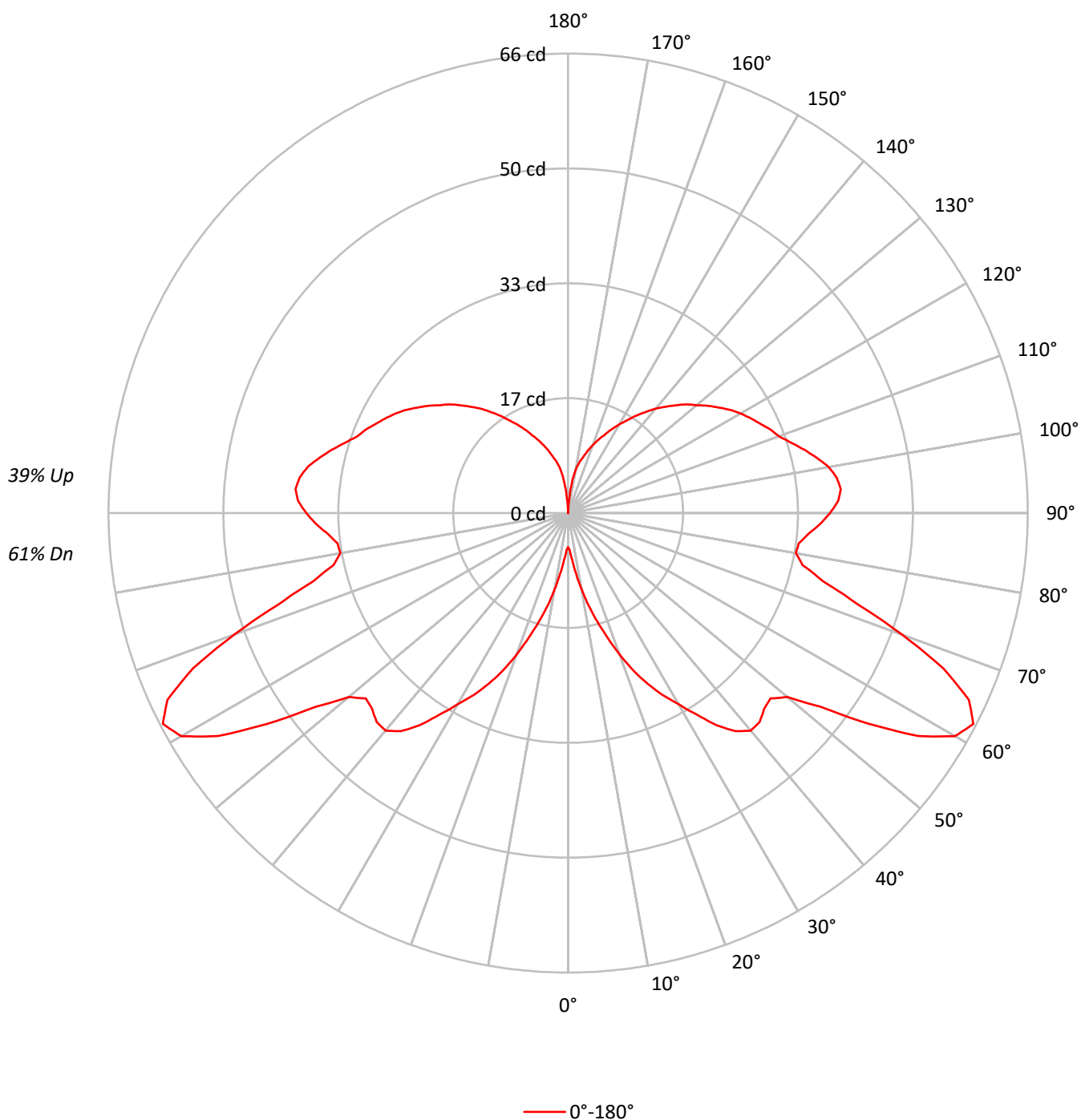
Lumens per Lamp: N/A
Luminaire Lumens: 430.3 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 5.23 / 5.23 / 4.45
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 6.9
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: P1503534

CATALOG NUMBER: PRLX-SM4-01-LS-FS-D2W-XXXX-CLER-VF (2700K-650LM)

Luminous Intensity Polar Plot



TEST NUMBER: P1503534

CATALOG NUMBER: PRLX-SM4-01-LS-FS-D2W-XXXX-CLER-VF (2700K-650LM)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61			
1	95	89	83	78	88	82	77	73	71	67	63	60	57	54	50	48	46	41			
2	84	74	66	59	78	69	61	55	59	53	48	49	45	41	41	37	34	29			
3	75	63	53	46	69	58	50	43	50	43	37	41	36	31	34	30	26	22			
4	68	54	44	37	62	50	41	34	43	35	29	35	30	25	29	24	20	17			
5	61	47	37	30	56	44	35	28	37	30	24	31	25	20	25	20	16	13			
6	56	42	32	25	51	39	30	23	33	25	20	27	21	17	22	17	14	11			
7	51	37	28	21	47	34	26	20	29	22	17	24	18	14	20	15	11	9			
8	47	33	24	18	44	31	23	17	26	19	14	22	16	12	18	13	10	7			
9	44	30	21	16	41	28	20	15	24	17	12	20	14	10	16	12	8	6			
10	41	27	19	14	38	25	18	13	22	15	11	18	13	9	15	10	7	5			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271
5°	367
10°	588
15°	845
20°	1131
25°	1426
30°	1690
35°	2024
40°	2286
45°	2315
50°	2507
55°	3411
60°	4437
65°	4774
70°	4231
75°	3537
80°	3571
85°	4432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6009 cd/sqm

TEST NUMBER: P1503534

CATALOG NUMBER: PRLX-SM4-01-LS-FS-D2W-XXXX-CLER-VF (2700K-650LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.2
10°-20°	4.7	1.1
20°-30°	12.6	2.9
30°-40°	23.2	5.4
40°-50°	31.1	7.2
50°-60°	47.5	11.0
60°-70°	60.7	14.1
70°-80°	41.7	9.7
80°-90°	38.1	8.9
90°-100°	42.2	9.8
100°-110°	37.2	8.6
110°-120°	30.2	7.0
120°-130°	23.7	5.5
130°-140°	17.0	4.0
140°-150°	10.8	2.5
150°-160°	5.8	1.4
160°-170°	2.4	0.6
170°-180°	0.4	0.1
0°-30°	18.1	4.2
0°-40°	41.4	9.6
0°-60°	120.0	27.9
0°-90°	260.5	60.5
90°-120°	109.6	25.5
90°-150°	161.1	37.4
90°-180°	170.0	39.5
0°-180°	430.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5	
5°	7	1
15°	16	5
25°	27	13
35°	37	23
45°	40	31
55°	53	47
65°	64	61
75°	38	42
85°	35	28
90°	38	21
95°	39	32
105°	35	37
115°	30	30
125°	26	24
135°	22	17
145°	17	11
155°	12	6
165°	8	2
175°	3	0
180°	0	

TEST NUMBER: P1503534

CATALOG NUMBER: PRLX-SM4-01-LS-FS-D2W-XXXX-CLER-VF (2700K-650LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	4.9
2.5°	5.3
5°	6.8
7.5°	8.8
10°	11.1
12.5°	13.6
15°	16.1
17.5°	18.7
20°	21.6
22.5°	24.5
25°	27.1
27.5°	29.5
30°	31.7
32.5°	34.3
35°	37.2
37.5°	39.5
40°	40.8
42.5°	40.7
45°	39.8
47.5°	39.4
50°	41.1
52.5°	45.7
55°	52.8
57.5°	59.6
60°	64.1
62.5°	65.6
65°	63.5
67.5°	58.3
70°	51.0
72.5°	43.6
75°	37.9
77.5°	34.5
80°	33.2
82.5°	33.4
85°	34.6
87.5°	36.2
90°	37.6
92.5°	38.8
95°	39.3
97.5°	38.9
100°	38.0
102.5°	36.6
105°	35.1
107.5°	33.6
110°	32.2

TEST NUMBER: P1503534

CATALOG NUMBER: PRLX-SM4-01-LS-FS-D2W-XXXX-CLER-VF (2700K-650LM)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	31.4
115°	30.4
117.5°	29.5
120°	28.6
122.5°	27.6
125°	26.4
127.5°	25.3
130°	24.1
132.5°	23.1
135°	21.9
137.5°	20.7
140°	19.6
142.5°	18.3
145°	17.1
147.5°	15.8
150°	14.7
152.5°	13.6
155°	12.4
157.5°	11.4
160°	10.4
162.5°	9.4
165°	8.3
167.5°	7.5
170°	6.4
172.5°	4.8
175°	2.6
177.5°	0.0
180°	0.0

(END OF REPORT)