

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: P1503490

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503490
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-010-XXXX-CLER-VF (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

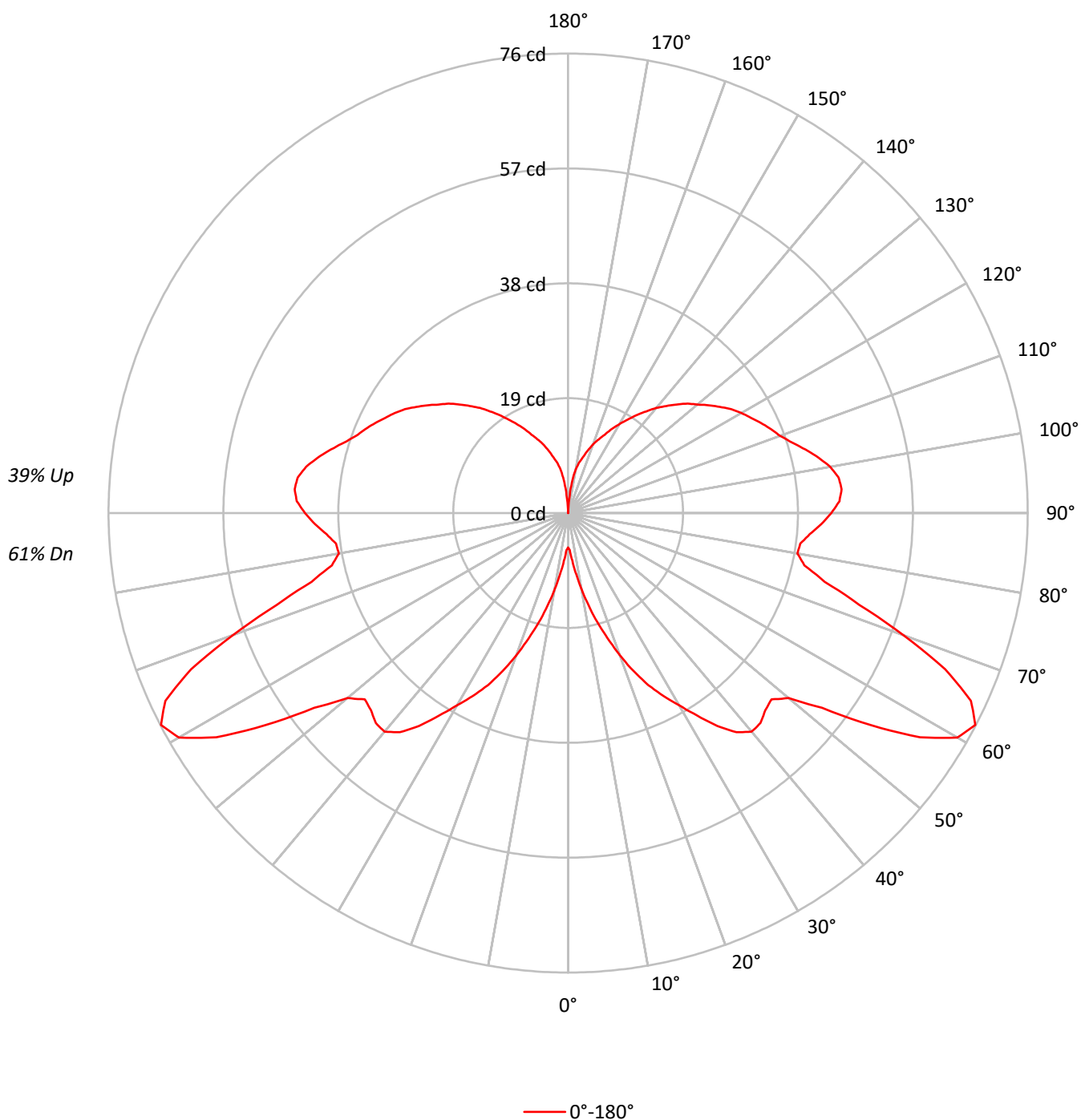
Lumens per Lamp: N/A
Luminaire Lumens: 498.2 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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

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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	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°	316
5°	426
10°	679
15°	981
20°	1309
25°	1652
30°	1956
35°	2340
40°	2644
45°	2682
50°	2903
55°	3953
60°	5144
65°	5526
70°	4895
75°	4096
80°	4141
85°	5136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6952 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.2
10°-20°	5.5	1.1
20°-30°	14.6	2.9
30°-40°	26.9	5.4
40°-50°	36.0	7.2
50°-60°	55.0	11.0
60°-70°	70.3	14.1
70°-80°	48.4	9.7
80°-90°	44.1	8.9
90°-100°	48.9	9.8
100°-110°	43.0	8.6
110°-120°	35.0	7.0
120°-130°	27.5	5.5
130°-140°	19.7	4.0
140°-150°	12.5	2.5
150°-160°	6.7	1.4
160°-170°	2.8	0.6
170°-180°	0.4	0.1
0°-30°	21.0	4.2
0°-40°	47.9	9.6
0°-60°	138.9	27.9
0°-90°	301.6	60.5
90°-120°	126.8	25.5
90°-150°	186.5	37.4
90°-180°	197.0	39.5
0°-180°	498.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	19	5
25°	31	15
35°	43	27
45°	46	36
55°	61	55
65°	74	70
75°	44	48
85°	40	32
90°	44	24
95°	45	37
105°	41	43
115°	35	35
125°	31	27
135°	25	20
145°	20	13
155°	14	7
165°	10	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5.7
2.5°	6.1
5°	7.9
7.5°	10.2
10°	12.8
12.5°	15.7
15°	18.7
17.5°	21.7
20°	25.0
22.5°	28.3
25°	31.4
27.5°	34.1
30°	36.7
32.5°	39.7
35°	43.0
37.5°	45.7
40°	47.2
42.5°	47.1
45°	46.1
47.5°	45.6
50°	47.6
52.5°	52.9
55°	61.2
57.5°	69.0
60°	74.3
62.5°	75.9
65°	73.5
67.5°	67.5
70°	59.0
72.5°	50.5
75°	43.9
77.5°	40.0
80°	38.5
82.5°	38.7
85°	40.1
87.5°	41.9
90°	43.5
92.5°	44.9
95°	45.4
97.5°	45.1
100°	44.0
102.5°	42.4
105°	40.6
107.5°	38.8
110°	37.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.3
115°	35.2
117.5°	34.1
120°	33.1
122.5°	32.0
125°	30.6
127.5°	29.3
130°	27.9
132.5°	26.8
135°	25.4
137.5°	24.0
140°	22.7
142.5°	21.2
145°	19.8
147.5°	18.3
150°	17.0
152.5°	15.7
155°	14.3
157.5°	13.2
160°	12.1
162.5°	10.9
165°	9.6
167.5°	8.6
170°	7.4
172.5°	5.6
175°	3.0
177.5°	0.0
180°	0.0

(END OF REPORT)