

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: P1503491

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503491
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 (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

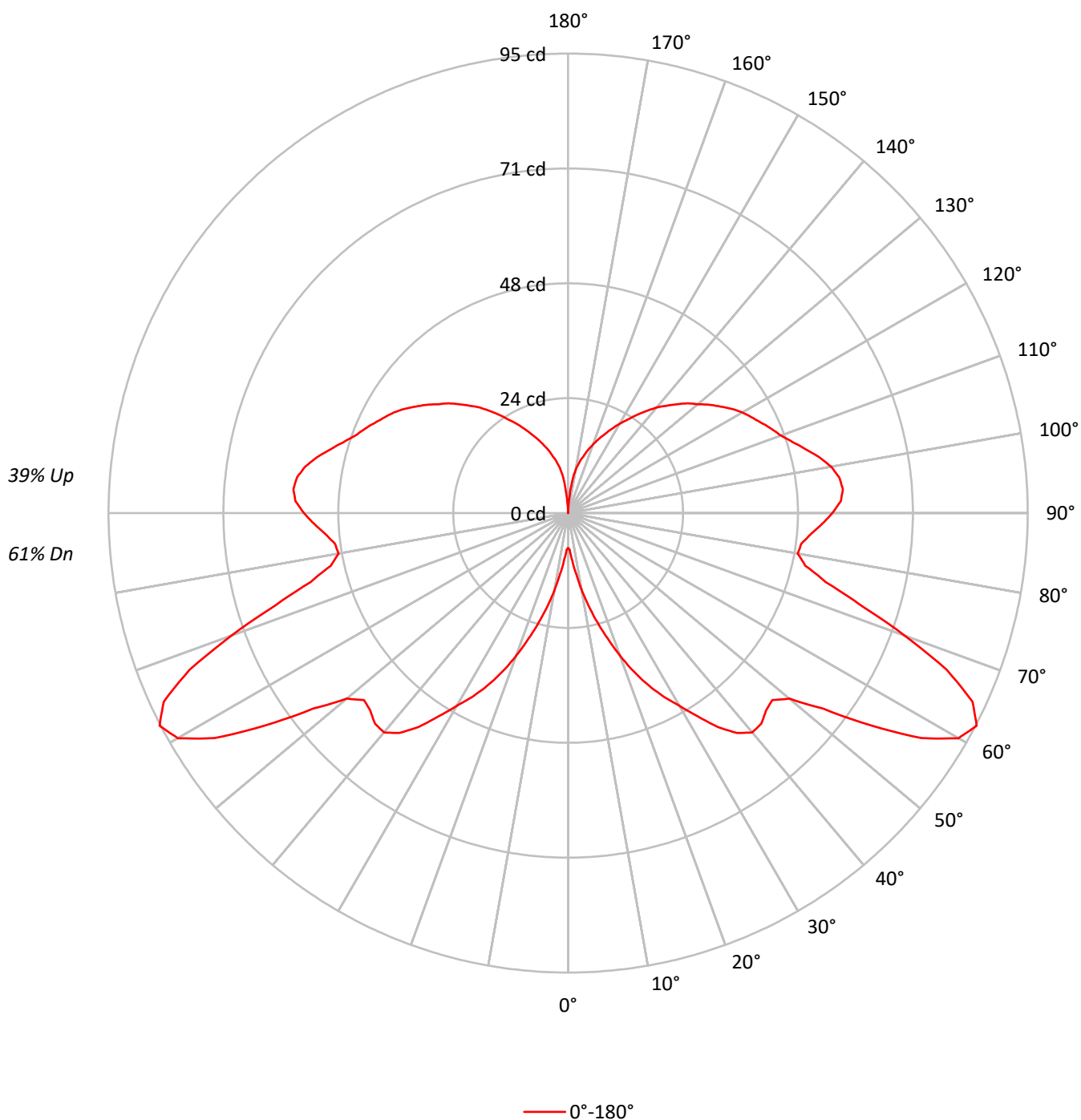
Lumens per Lamp: N/A
Luminaire Lumens: 624.9 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 5.21 / 5.21 / 4.43
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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

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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°	399
5°	534
10°	853
15°	1228
20°	1644
25°	2068
30°	2452
35°	2939
40°	3316
45°	3363
50°	3641
55°	4955
60°	6445
65°	6932
70°	6139
75°	5142
80°	5184
85°	6443

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 8725 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.2
10°-20°	6.9	1.1
20°-30°	18.3	2.9
30°-40°	33.7	5.4
40°-50°	45.2	7.2
50°-60°	69.0	11.0
60°-70°	88.1	14.1
70°-80°	60.7	9.7
80°-90°	55.3	8.9
90°-100°	61.3	9.8
100°-110°	53.9	8.6
110°-120°	43.9	7.0
120°-130°	34.5	5.5
130°-140°	24.7	4.0
140°-150°	15.7	2.5
150°-160°	8.5	1.4
160°-170°	3.5	0.6
170°-180°	0.5	0.1
0°-30°	26.3	4.2
0°-40°	60.0	9.6
0°-60°	174.2	27.9
0°-90°	378.3	60.5
90°-120°	159.1	25.5
90°-150°	234.0	37.4
90°-180°	247.0	39.5
0°-180°	624.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7	
5°	10	1
15°	23	7
25°	39	18
35°	54	34
45°	58	45
55°	77	69
65°	92	88
75°	55	61
85°	50	41
90°	55	30
95°	57	46
105°	51	54
115°	44	44
125°	38	35
135°	32	25
145°	25	16
155°	18	8
165°	12	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7.2
2.5°	7.6
5°	9.9
7.5°	12.7
10°	16.1
12.5°	19.7
15°	23.4
17.5°	27.2
20°	31.4
22.5°	35.5
25°	39.3
27.5°	42.8
30°	46.0
32.5°	49.8
35°	54.0
37.5°	57.3
40°	59.2
42.5°	59.1
45°	57.8
47.5°	57.2
50°	59.7
52.5°	66.4
55°	76.7
57.5°	86.6
60°	93.1
62.5°	95.2
65°	92.2
67.5°	84.7
70°	74.0
72.5°	63.4
75°	55.1
77.5°	50.2
80°	48.2
82.5°	48.6
85°	50.3
87.5°	52.5
90°	54.6
92.5°	56.4
95°	57.0
97.5°	56.5
100°	55.2
102.5°	53.2
105°	50.9
107.5°	48.7
110°	46.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.5
115°	44.1
117.5°	42.8
120°	41.6
122.5°	40.1
125°	38.4
127.5°	36.8
130°	35.0
132.5°	33.6
135°	31.8
137.5°	30.1
140°	28.5
142.5°	26.6
145°	24.8
147.5°	22.9
150°	21.3
152.5°	19.7
155°	18.0
157.5°	16.6
160°	15.1
162.5°	13.7
165°	12.1
167.5°	10.8
170°	9.2
172.5°	7.0
175°	3.8
177.5°	0.0
180°	0.0

(END OF REPORT)