

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: P1503499

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503499
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 (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

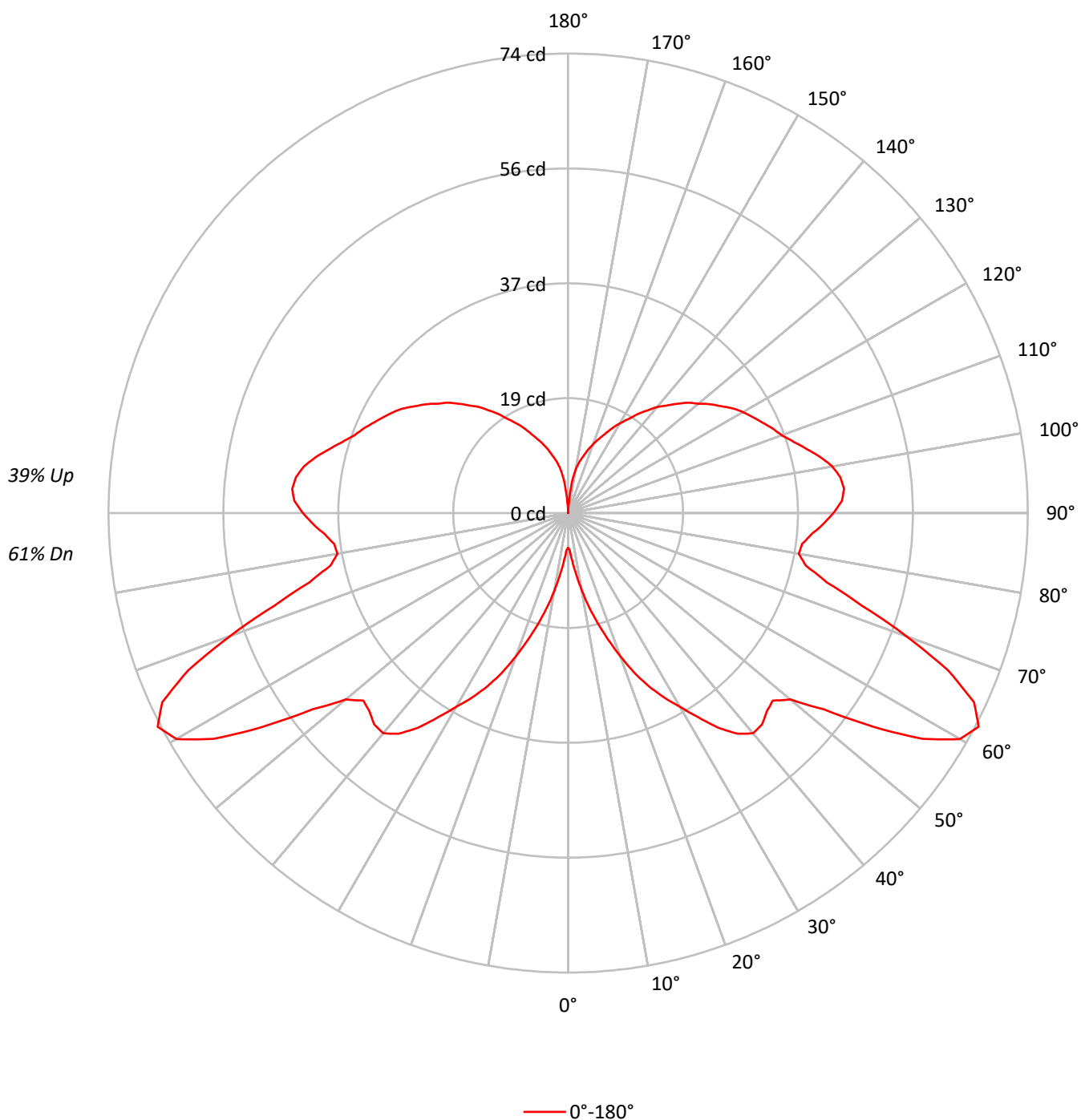
Lumens per Lamp: N/A
Luminaire Lumens: 488.7 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 8.2
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

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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°	310
5°	416
10°	668
15°	960
20°	1282
25°	1621
30°	1919
35°	2296
40°	2594
45°	2630
50°	2848
55°	3876
60°	5040
65°	5421
70°	4803
75°	4022
80°	4055
85°	5034

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.2
10°-20°	5.4	1.1
20°-30°	14.3	2.9
30°-40°	26.4	5.4
40°-50°	35.3	7.2
50°-60°	53.9	11.0
60°-70°	68.9	14.1
70°-80°	47.4	9.7
80°-90°	43.3	8.9
90°-100°	48.0	9.8
100°-110°	42.2	8.6
110°-120°	34.3	7.0
120°-130°	27.0	5.5
130°-140°	19.3	4.0
140°-150°	12.3	2.5
150°-160°	6.6	1.4
160°-170°	2.8	0.6
170°-180°	0.4	0.1
0°-30°	20.6	4.2
0°-40°	47.0	9.6
0°-60°	136.2	27.9
0°-90°	295.9	60.5
90°-120°	124.5	25.5
90°-150°	183.0	37.5
90°-180°	193.0	39.5
0°-180°	488.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	18	5
25°	31	14
35°	42	26
45°	45	35
55°	60	54
65°	72	69
75°	43	47
85°	39	32
90°	43	23
95°	45	36
105°	40	42
115°	34	34
125°	30	27
135°	25	19
145°	19	12
155°	14	7
165°	10	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5.6
2.5°	6.0
5°	7.7
7.5°	10.0
10°	12.6
12.5°	15.4
15°	18.3
17.5°	21.3
20°	24.5
22.5°	27.8
25°	30.8
27.5°	33.5
30°	36.0
32.5°	39.0
35°	42.2
37.5°	44.8
40°	46.3
42.5°	46.2
45°	45.2
47.5°	44.7
50°	46.7
52.5°	51.9
55°	60.0
57.5°	67.7
60°	72.8
62.5°	74.5
65°	72.1
67.5°	66.2
70°	57.9
72.5°	49.6
75°	43.1
77.5°	39.2
80°	37.7
82.5°	38.0
85°	39.3
87.5°	41.1
90°	42.7
92.5°	44.1
95°	44.6
97.5°	44.2
100°	43.2
102.5°	41.6
105°	39.8
107.5°	38.1
110°	36.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.6
115°	34.5
117.5°	33.5
120°	32.5
122.5°	31.4
125°	30.0
127.5°	28.8
130°	27.4
132.5°	26.3
135°	24.9
137.5°	23.5
140°	22.3
142.5°	20.8
145°	19.4
147.5°	17.9
150°	16.7
152.5°	15.4
155°	14.1
157.5°	12.9
160°	11.8
162.5°	10.7
165°	9.5
167.5°	8.5
170°	7.2
172.5°	5.5
175°	3.0
177.5°	0.0
180°	0.0

(END OF REPORT)