

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: P1503493

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503493
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-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

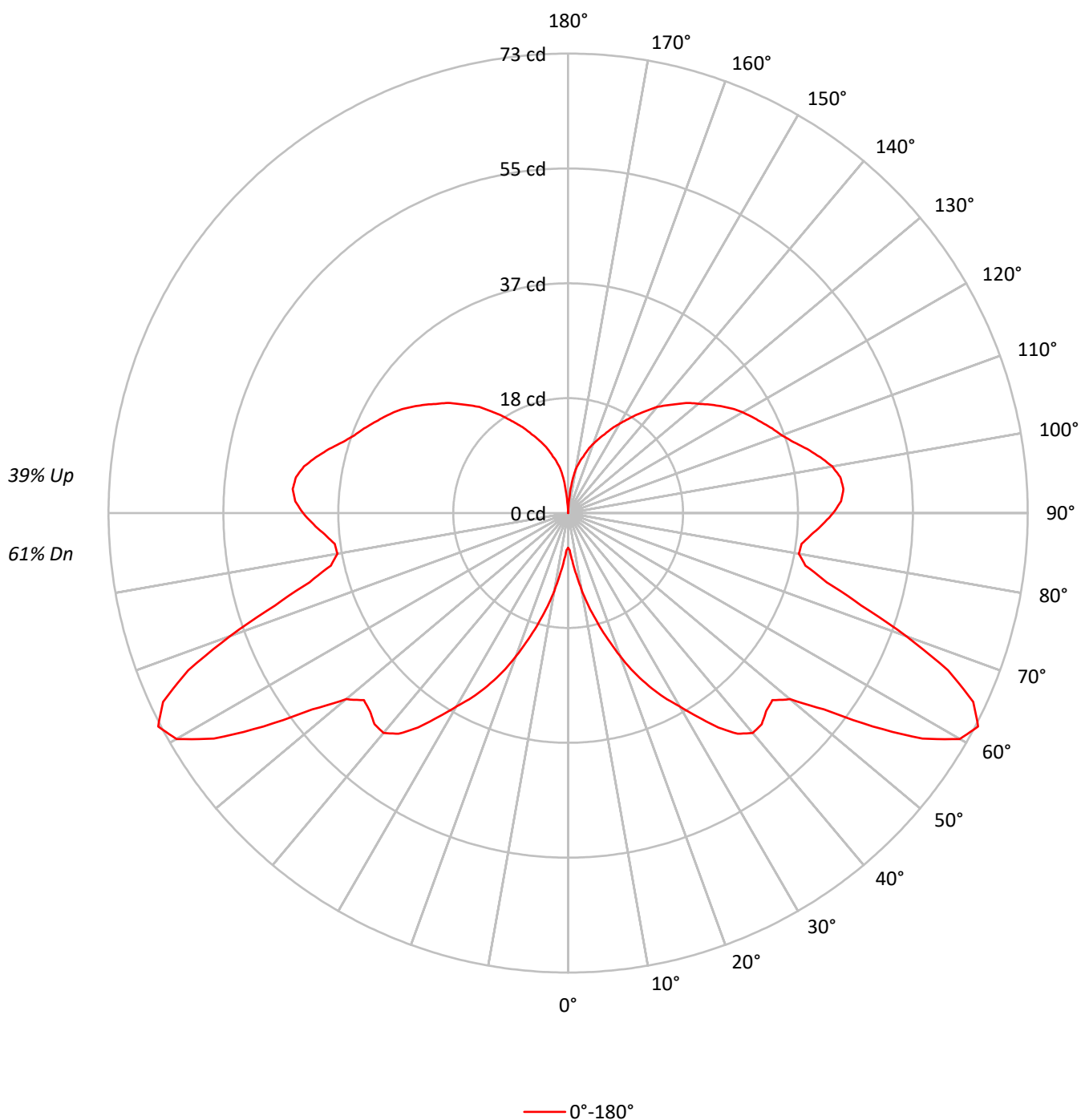
Lumens per Lamp: N/A
Luminaire Lumens: 481.6 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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				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°	305
5°	410
10°	657
15°	945
20°	1267
25°	1594
30°	1892
35°	2264
40°	2554
45°	2589
50°	2805
55°	3818
60°	4971
65°	5338
70°	4737
75°	3966
80°	4001
85°	4970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.2
10°-20°	5.3	1.1
20°-30°	14.1	2.9
30°-40°	26.0	5.4
40°-50°	34.8	7.2
50°-60°	53.1	11.0
60°-70°	67.9	14.1
70°-80°	46.7	9.7
80°-90°	42.7	8.9
90°-100°	47.3	9.8
100°-110°	41.6	8.6
110°-120°	33.8	7.0
120°-130°	26.6	5.5
130°-140°	19.0	4.0
140°-150°	12.1	2.5
150°-160°	6.5	1.4
160°-170°	2.7	0.6
170°-180°	0.4	0.1
0°-30°	20.3	4.2
0°-40°	46.3	9.6
0°-60°	134.2	27.9
0°-90°	291.6	60.5
90°-120°	122.7	25.5
90°-150°	180.4	37.4
90°-180°	190.0	39.4
0°-180°	481.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	18	5
25°	30	14
35°	42	26
45°	44	35
55°	59	53
65°	71	68
75°	42	47
85°	39	31
90°	42	23
95°	44	36
105°	39	42
115°	34	34
125°	30	27
135°	24	19
145°	19	12
155°	14	7
165°	9	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5.5
2.5°	5.9
5°	7.6
7.5°	9.8
10°	12.4
12.5°	15.2
15°	18.0
17.5°	21.0
20°	24.2
22.5°	27.4
25°	30.3
27.5°	33.0
30°	35.5
32.5°	38.4
35°	41.6
37.5°	44.2
40°	45.6
42.5°	45.5
45°	44.5
47.5°	44.0
50°	46.0
52.5°	51.2
55°	59.1
57.5°	66.7
60°	71.8
62.5°	73.4
65°	71.0
67.5°	65.3
70°	57.1
72.5°	48.8
75°	42.5
77.5°	38.6
80°	37.2
82.5°	37.4
85°	38.8
87.5°	40.5
90°	42.1
92.5°	43.4
95°	43.9
97.5°	43.6
100°	42.6
102.5°	41.0
105°	39.3
107.5°	37.5
110°	36.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.1
115°	34.0
117.5°	33.0
120°	32.0
122.5°	30.9
125°	29.6
127.5°	28.3
130°	27.0
132.5°	25.9
135°	24.5
137.5°	23.2
140°	22.0
142.5°	20.5
145°	19.1
147.5°	17.7
150°	16.4
152.5°	15.2
155°	13.9
157.5°	12.8
160°	11.7
162.5°	10.6
165°	9.3
167.5°	8.3
170°	7.1
172.5°	5.4
175°	2.9
177.5°	0.0
180°	0.0

(END OF REPORT)