

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: P1503496

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (3500K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503496
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 (3500K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

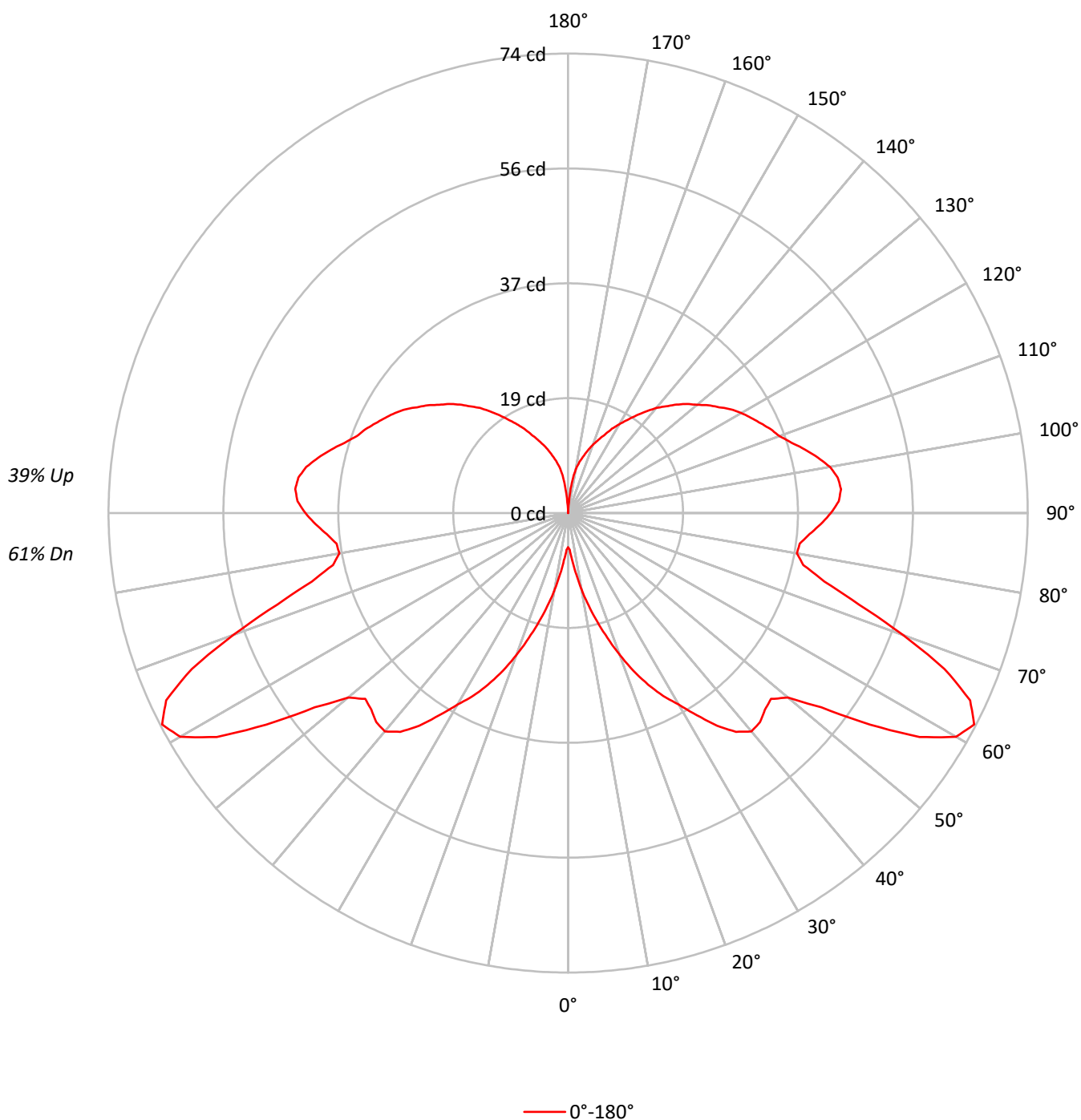
Lumens per Lamp: N/A
Luminaire Lumens: 484.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 5.23 / 5.23 / 4.45
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	305
5°	410
10°	663
15°	950
20°	1272
25°	1605
30°	1897
35°	2275
40°	2571
45°	2606
50°	2818
55°	3837
60°	4991
65°	5368
70°	4753
75°	3984
80°	4023
85°	4995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 6760 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°	14.2	2.9
30°-40°	26.1	5.4
40°-50°	35.0	7.2
50°-60°	53.4	11.0
60°-70°	68.2	14.1
70°-80°	47.0	9.7
80°-90°	42.9	8.9
90°-100°	47.5	9.8
100°-110°	41.8	8.6
110°-120°	34.0	7.0
120°-130°	26.7	5.5
130°-140°	19.1	4.0
140°-150°	12.1	2.5
150°-160°	6.6	1.4
160°-170°	2.7	0.6
170°-180°	0.4	0.1
0°-30°	20.4	4.2
0°-40°	46.5	9.6
0°-60°	134.9	27.9
0°-90°	293.0	60.5
90°-120°	123.3	25.5
90°-150°	181.3	37.5
90°-180°	191.0	39.5
0°-180°	484.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	18	5
25°	30	14
35°	42	26
45°	45	35
55°	59	53
65°	71	68
75°	43	47
85°	39	31
90°	42	23
95°	44	36
105°	40	42
115°	34	34
125°	30	27
135°	25	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°	9.9
10°	12.5
12.5°	15.3
15°	18.1
17.5°	21.1
20°	24.3
22.5°	27.5
25°	30.5
27.5°	33.2
30°	35.6
32.5°	38.6
35°	41.8
37.5°	44.4
40°	45.9
42.5°	45.7
45°	44.8
47.5°	44.3
50°	46.2
52.5°	51.4
55°	59.4
57.5°	67.1
60°	72.1
62.5°	73.7
65°	71.4
67.5°	65.6
70°	57.3
72.5°	49.1
75°	42.7
77.5°	38.8
80°	37.4
82.5°	37.6
85°	39.0
87.5°	40.7
90°	42.3
92.5°	43.6
95°	44.1
97.5°	43.8
100°	42.8
102.5°	41.2
105°	39.5
107.5°	37.7
110°	36.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.3
115°	34.2
117.5°	33.2
120°	32.2
122.5°	31.1
125°	29.7
127.5°	28.5
130°	27.1
132.5°	26.0
135°	24.7
137.5°	23.3
140°	22.1
142.5°	20.6
145°	19.2
147.5°	17.8
150°	16.5
152.5°	15.3
155°	13.9
157.5°	12.8
160°	11.7
162.5°	10.6
165°	9.4
167.5°	8.4
170°	7.2
172.5°	5.4
175°	3.0
177.5°	0.0
180°	0.0

(END OF REPORT)