

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: P1503505

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-2)
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-DIFF-VF (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

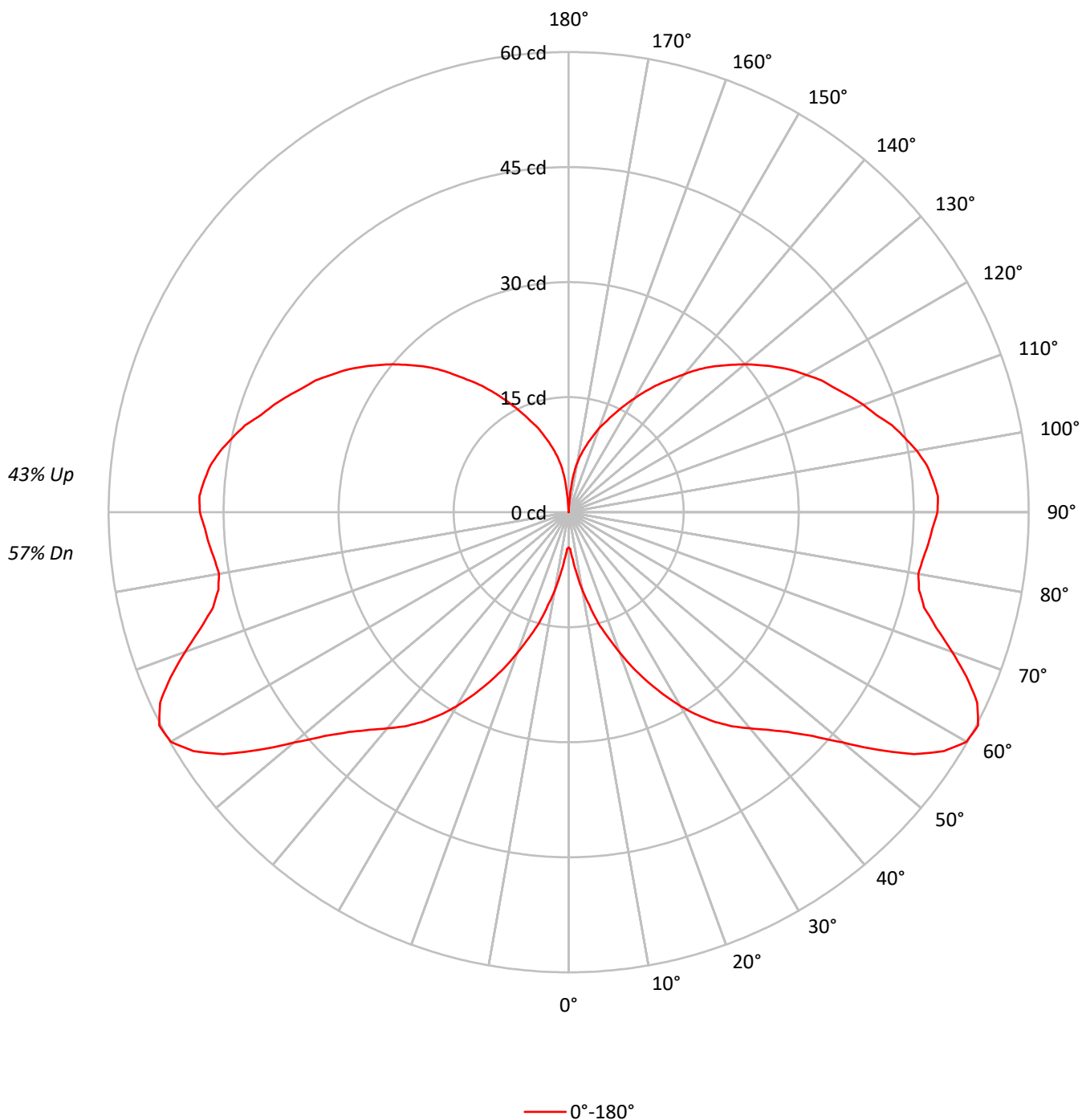
Lumens per Lamp: N/A
Luminaire Lumens: 487.6 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 5.36 / 5.36 / 4.75
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57		
1	94	87	81	75	86	80	75	70	68	64	60	57	54	51	47	44	42	37		
2	83	73	64	57	76	67	59	53	56	50	45	46	42	38	37	34	31	26		
3	74	62	52	44	68	57	48	41	47	41	35	39	34	29	31	27	23	19		
4	67	53	43	36	61	49	40	33	41	34	28	33	28	23	26	22	18	14		
5	61	46	36	29	55	43	34	27	36	28	23	29	23	19	23	18	15	11		
6	55	41	31	24	51	38	29	22	31	24	19	26	20	15	20	16	12	9		
7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	14	10	7		
8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6		
9	44	30	21	15	40	27	19	14	23	16	12	19	13	10	15	11	7	5		
10	40	27	19	13	37	25	17	12	21	15	10	17	12	8	14	9	6	4		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	255
5°	335
10°	546
15°	787
20°	1021
25°	1284
30°	1556
35°	1818
40°	2062
45°	2356
50°	2848
55°	3553
60°	4147
65°	4421
70°	4413
75°	4479
80°	4980
85°	6033

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 7687 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.1
10°-20°	4.3	0.9
20°-30°	11.4	2.3
30°-40°	21.0	4.3
40°-50°	31.8	6.5
50°-60°	48.8	10.0
60°-70°	57.5	11.8
70°-80°	51.5	10.6
80°-90°	51.4	10.5
90°-100°	51.9	10.6
100°-110°	46.1	9.5
110°-120°	38.1	7.8
120°-130°	29.6	6.1
130°-140°	20.9	4.3
140°-150°	12.8	2.6
150°-160°	6.7	1.4
160°-170°	2.7	0.5
170°-180°	0.4	0.1
0°-30°	16.5	3.4
0°-40°	37.5	7.7
0°-60°	118.1	24.2
0°-90°	278.5	57.1
90°-120°	136.1	27.9
90°-150°	199.4	40.9
90°-180°	209.0	42.9
0°-180°	487.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5	
5°	6	1
15°	15	4
25°	24	11
35°	33	21
45°	40	32
55°	55	49
65°	59	57
75°	48	52
85°	47	38
90°	48	26
95°	48	39
105°	44	46
115°	38	38
125°	33	30
135°	27	21
145°	20	13
155°	14	7
165°	9	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.6
2.5°	4.8
5°	6.2
7.5°	8.1
10°	10.3
12.5°	12.4
15°	15.0
17.5°	17.1
20°	19.5
22.5°	22.0
25°	24.4
27.5°	26.8
30°	29.2
32.5°	31.4
35°	33.4
37.5°	35.2
40°	36.8
42.5°	38.5
45°	40.5
47.5°	43.2
50°	46.7
52.5°	50.9
55°	55.0
57.5°	58.0
60°	59.9
62.5°	60.2
65°	58.8
67.5°	56.2
70°	53.2
72.5°	50.3
75°	48.0
77.5°	46.8
80°	46.3
82.5°	46.6
85°	47.1
87.5°	47.5
90°	48.1
92.5°	48.2
95°	47.7
97.5°	47.1
100°	46.1
102.5°	44.9
105°	43.7
107.5°	42.1
110°	40.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.6
115°	38.3
117.5°	37.2
120°	35.8
122.5°	34.5
125°	33.0
127.5°	31.5
130°	30.0
132.5°	28.4
135°	26.9
137.5°	25.3
140°	23.5
142.5°	21.8
145°	20.3
147.5°	18.7
150°	17.1
152.5°	15.6
155°	14.2
157.5°	12.8
160°	11.7
162.5°	10.3
165°	9.1
167.5°	7.9
170°	6.6
172.5°	5.0
175°	2.7
177.5°	0.1
180°	0.0

(END OF REPORT)