

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: P1503553

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-DIFF-VF (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503553
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-D2W-XXXX-DIFF-VF (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

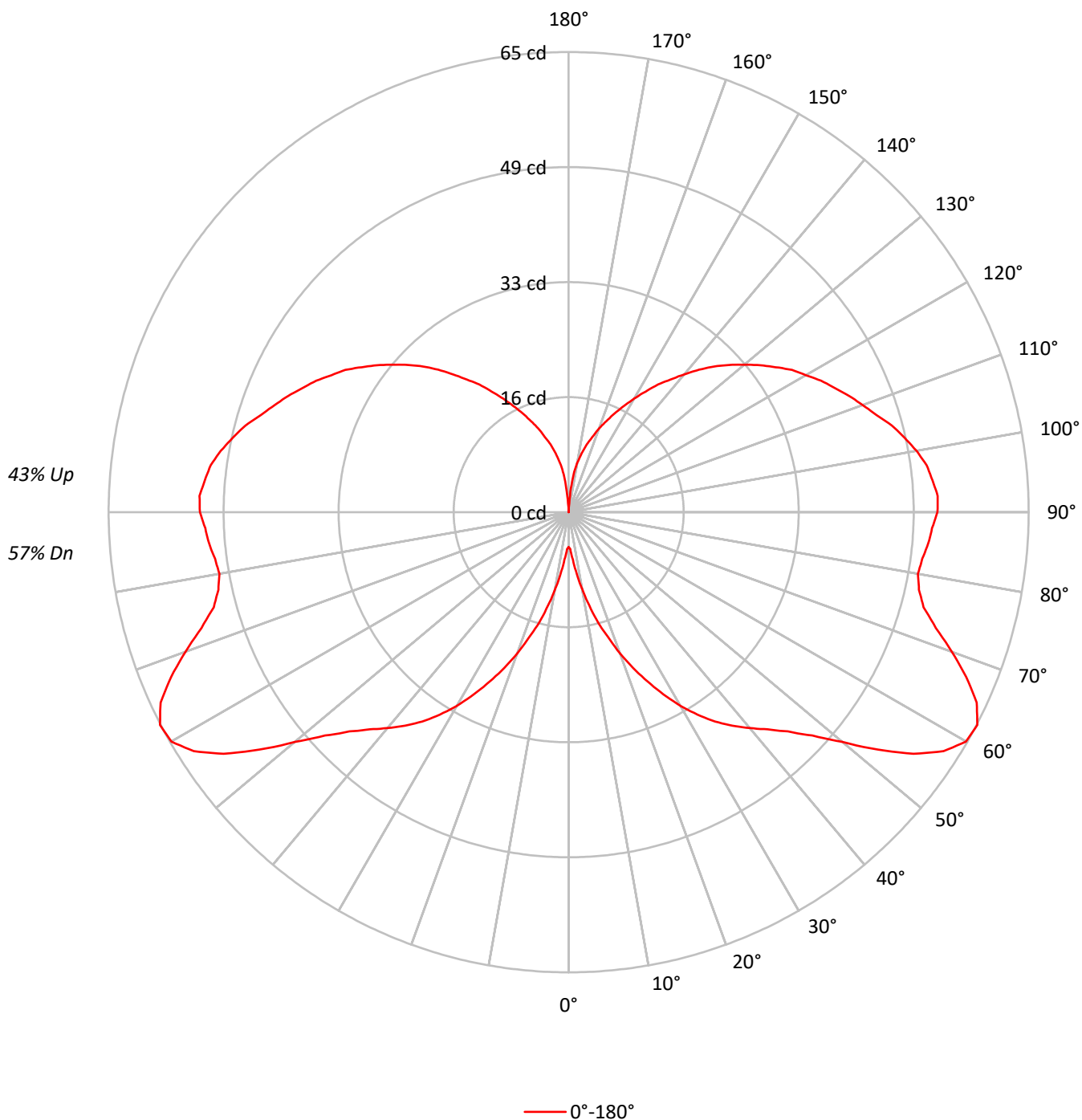
Lumens per Lamp: N/A
Luminaire Lumens: 527.6 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 5.39 / 5.39 / 4.77
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

Input Watts (W): 8.8
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°	271
5°	362
10°	588
15°	850
20°	1110
25°	1389
30°	1684
35°	1964
40°	2230
45°	2548
50°	3080
55°	3844
60°	4486
65°	4782
70°	4778
75°	4843
80°	5389
85°	6533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 8326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.1
10°-20°	4.7	0.9
20°-30°	12.4	2.3
30°-40°	22.7	4.3
40°-50°	34.4	6.5
50°-60°	52.8	10.0
60°-70°	62.2	11.8
70°-80°	55.7	10.6
80°-90°	55.6	10.5
90°-100°	56.1	10.6
100°-110°	49.9	9.5
110°-120°	41.2	7.8
120°-130°	32.1	6.1
130°-140°	22.6	4.3
140°-150°	13.9	2.6
150°-160°	7.2	1.4
160°-170°	2.9	0.5
170°-180°	0.4	0.1
0°-30°	17.8	3.4
0°-40°	40.5	7.7
0°-60°	127.8	24.2
0°-90°	301.3	57.1
90°-120°	147.3	27.9
90°-150°	215.8	40.9
90°-180°	226.0	42.8
0°-180°	527.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5	
5°	7	1
15°	16	5
25°	26	12
35°	36	23
45°	44	34
55°	60	53
65°	64	62
75°	52	56
85°	51	41
90°	52	28
95°	52	42
105°	47	50
115°	42	41
125°	36	32
135°	29	23
145°	22	14
155°	15	7
165°	10	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4.9
2.5°	5.2
5°	6.7
7.5°	8.8
10°	11.1
12.5°	13.5
15°	16.2
17.5°	18.5
20°	21.2
22.5°	23.8
25°	26.4
27.5°	29.0
30°	31.6
32.5°	33.9
35°	36.1
37.5°	38.0
40°	39.8
42.5°	41.6
45°	43.8
47.5°	46.7
50°	50.5
52.5°	55.1
55°	59.5
57.5°	62.8
60°	64.8
62.5°	65.1
65°	63.6
67.5°	60.8
70°	57.6
72.5°	54.4
75°	51.9
77.5°	50.7
80°	50.1
82.5°	50.4
85°	51.0
87.5°	51.4
90°	52.1
92.5°	52.2
95°	51.6
97.5°	51.0
100°	49.9
102.5°	48.6
105°	47.3
107.5°	45.6
110°	44.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	42.9
115°	41.5
117.5°	40.2
120°	38.7
122.5°	37.4
125°	35.7
127.5°	34.1
130°	32.4
132.5°	30.8
135°	29.1
137.5°	27.3
140°	25.4
142.5°	23.6
145°	22.0
147.5°	20.2
150°	18.5
152.5°	16.9
155°	15.4
157.5°	13.9
160°	12.6
162.5°	11.1
165°	9.9
167.5°	8.5
170°	7.1
172.5°	5.4
175°	2.9
177.5°	0.1
180°	0.0

(END OF REPORT)