

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: P1503575

Luminaire Tested: PRLX-SM4-01-LS-FS-D2W-XXXX-SMGY-VF (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-3)
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-SMGY-VF (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, SMOKY GRAY LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

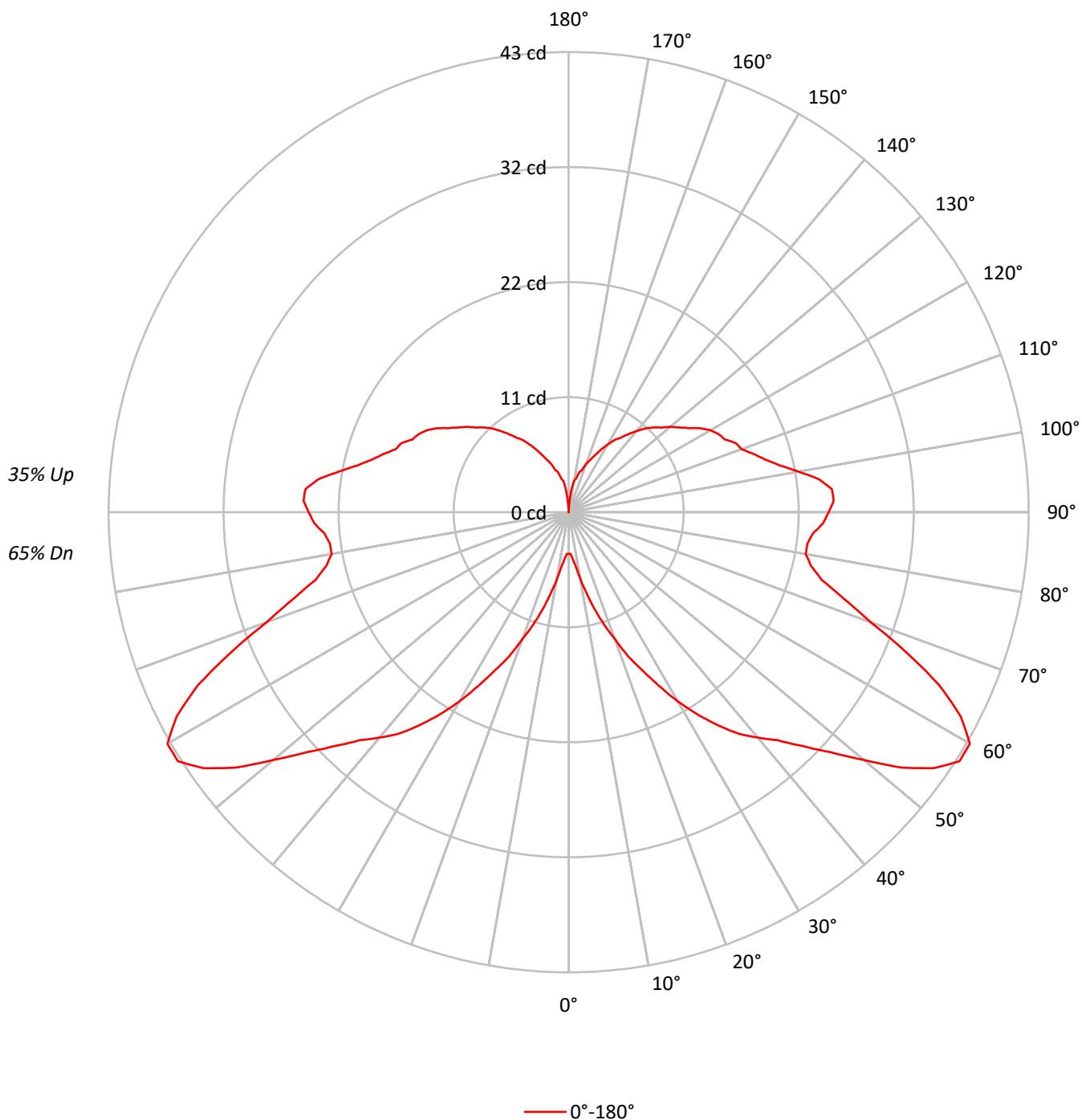
Lumens per Lamp: N/A
Luminaire Lumens: 269.7 lumens
Efficiency: N/A
Efficacy: 23.5 lumens/watt
Spacing Criteria (0/90/45): 4.8 / 4.8 / 4.13
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 11.5
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65		
1	96	89	84	78	90	84	78	74	73	69	65	63	60	57	54	52	49	45		
2	85	75	66	59	79	70	62	55	60	54	49	52	47	43	44	40	37	32		
3	76	63	54	46	70	59	50	43	51	44	38	43	38	33	37	32	28	24		
4	68	54	44	37	63	51	41	34	44	36	30	37	31	26	31	26	22	19		
5	62	47	37	30	57	44	35	28	38	30	24	32	26	21	27	22	18	14		
6	56	42	32	25	52	39	30	23	33	26	20	28	22	17	24	19	15	12		
7	52	37	27	21	48	34	26	19	30	22	17	25	19	15	21	16	12	9		
8	48	33	24	18	44	31	22	17	27	20	14	23	17	12	19	14	10	8		
9	44	30	21	15	41	28	20	14	24	17	12	21	15	11	17	12	9	6		
10	41	27	19	13	38	25	18	12	22	15	11	19	13	9	16	11	8	5		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	216
5°	237
10°	339
15°	493
20°	660
25°	858
30°	1087
35°	1322
40°	1541
45°	1798
50°	2196
55°	2694
60°	2998
65°	2872
70°	2489
75°	2286
80°	2420
85°	2933

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 3883 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.2
10°-20°	2.8	1.0
20°-30°	7.7	2.9
30°-40°	15.3	5.7
40°-50°	24.2	9.0
50°-60°	36.8	13.7
60°-70°	37.2	13.8
70°-80°	26.7	9.9
80°-90°	25.3	9.4
90°-100°	26.2	9.7
100°-110°	20.3	7.5
110°-120°	16.2	6.0
120°-130°	12.4	4.6
130°-140°	8.7	3.2
140°-150°	5.4	2.0
150°-160°	2.8	1.0
160°-170°	1.1	0.4
170°-180°	0.2	0.1
0°-30°	10.9	4.1
0°-40°	26.2	9.7
0°-60°	87.3	32.4
0°-90°	176.4	65.4
90°-120°	62.7	23.3
90°-150°	89.2	33.1
90°-180°	93.0	34.5
0°-180°	269.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4	
5°	4	0
15°	9	3
25°	16	8
35°	24	15
45°	31	24
55°	42	37
65°	38	37
75°	24	27
85°	23	19
90°	24	13
95°	25	20
105°	19	20
115°	16	16
125°	14	12
135°	11	9
145°	8	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3.9
2.5°	3.9
5°	4.4
7.5°	5.1
10°	6.4
12.5°	7.8
15°	9.4
17.5°	11.0
20°	12.6
22.5°	14.6
25°	16.3
27.5°	18.3
30°	20.4
32.5°	22.4
35°	24.3
37.5°	26.1
40°	27.5
42.5°	28.9
45°	30.9
47.5°	33.2
50°	36.0
52.5°	39.2
55°	41.7
57.5°	43.3
60°	43.3
62.5°	41.3
65°	38.2
67.5°	34.1
70°	30.0
72.5°	27.0
75°	24.5
77.5°	23.2
80°	22.5
82.5°	22.5
85°	22.9
87.5°	23.8
90°	24.3
92.5°	24.8
95°	24.7
97.5°	23.6
100°	21.8
102.5°	20.2
105°	19.0
107.5°	18.1
110°	17.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	16.9
115°	16.1
117.5°	15.8
120°	15.3
122.5°	14.6
125°	13.7
127.5°	13.0
130°	12.4
132.5°	11.7
135°	11.2
137.5°	10.6
140°	9.9
142.5°	9.2
145°	8.5
147.5°	8.0
150°	7.3
152.5°	6.6
155°	5.9
157.5°	5.3
160°	4.8
162.5°	4.1
165°	3.9
167.5°	3.2
170°	3.0
172.5°	2.3
175°	1.2
177.5°	0.2
180°	0.0

(END OF REPORT)