

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: P1503992

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-ND (4000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-ND (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

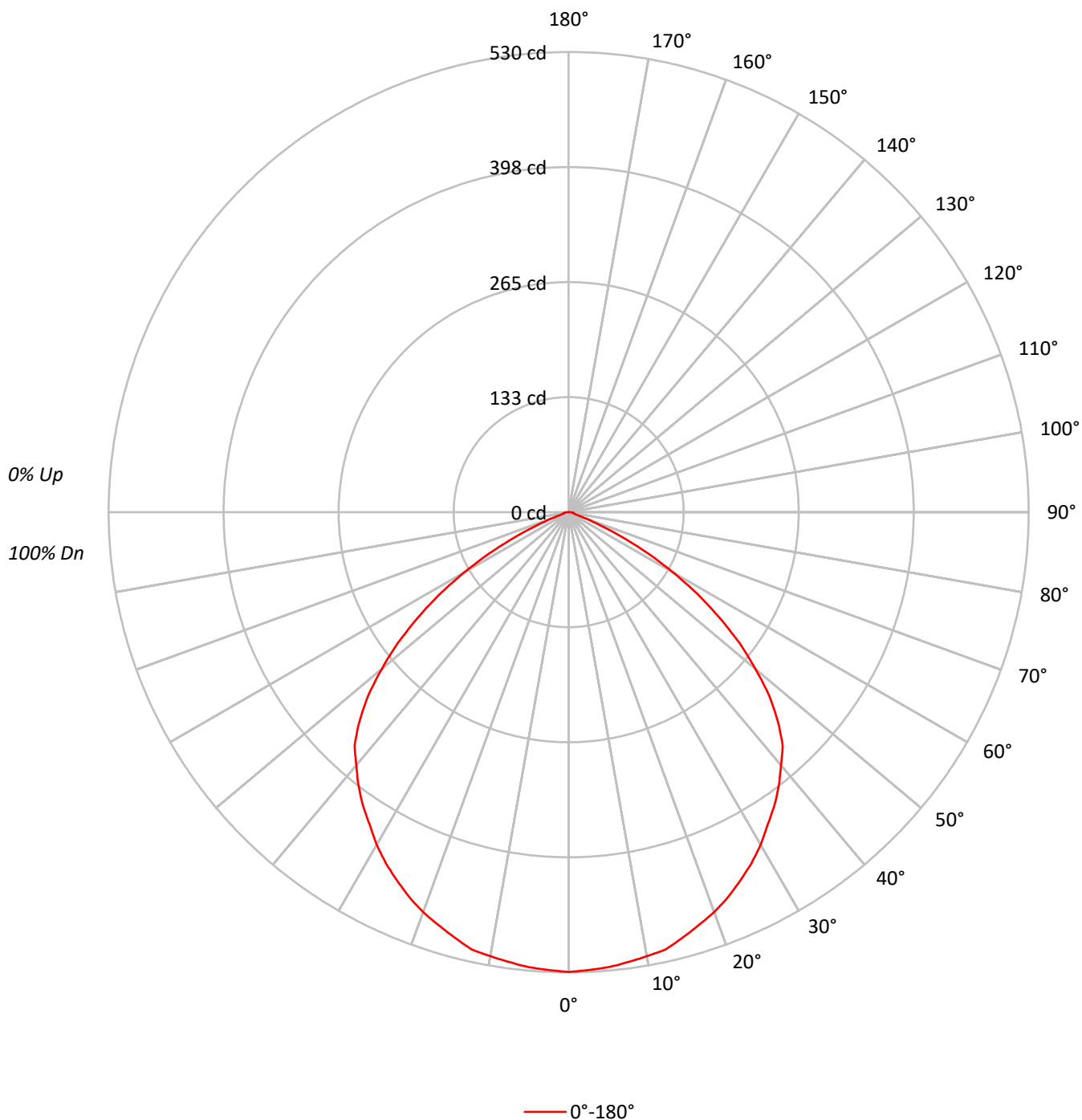
Lumens per Lamp: N/A
Luminaire Lumens: 1199.5 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67		
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	54	64	58	54	63	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40		
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36		
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5333
5°	5318
10°	5309
15°	5288
20°	5252
25°	5198
30°	5141
35°	5077
40°	5001
45°	4856
50°	4403
55°	3730
60°	2795
65°	1634
70°	503
75°	268
80°	296
85°	393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4856 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	4.2
10°-20°	143.2	11.9
20°-30°	215.7	18.0
30°-40°	258.2	21.5
40°-50°	260.4	21.7
50°-60°	188.8	15.7
60°-70°	70.9	5.9
70°-80°	8.8	0.7
80°-90°	3.5	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	408.9	34.1
0°-40°	667.1	55.6
0°-60°	1116.3	93.1
0°-90°	1199.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	530	
5°	526	50
15°	507	143
25°	468	216
35°	413	258
45°	341	260
55°	212	189
65°	69	71
75°	7	9
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	529.6
2.5°	527.8
5°	526.1
7.5°	522.7
10°	519.3
12.5°	515.9
15°	507.3
17.5°	498.7
20°	490.1
22.5°	479.9
25°	467.9
27.5°	455.9
30°	442.2
32.5°	426.7
35°	413.0
37.5°	397.6
40°	380.5
42.5°	365.0
45°	341.0
47.5°	313.6
50°	281.1
52.5°	248.5
55°	212.5
57.5°	176.5
60°	138.8
62.5°	102.8
65°	68.6
67.5°	39.4
70°	17.1
72.5°	8.6
75°	6.9
77.5°	6.9
80°	5.1
82.5°	5.1
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)