

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: P1503941

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-ND (3000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-17)
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-BRNZ-XX-ND (3000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

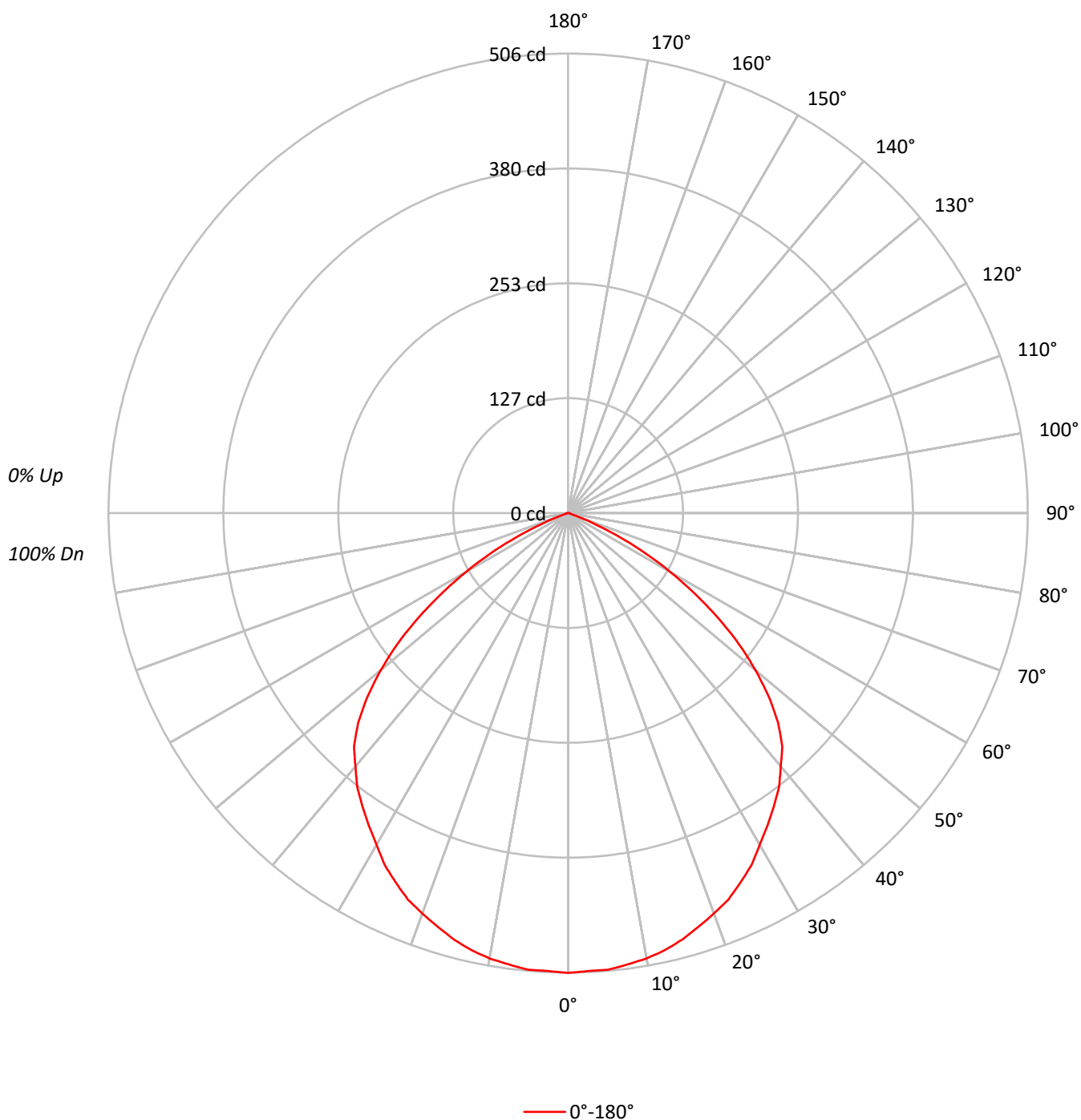
Lumens per Lamp: N/A
Luminaire Lumens: 1135.7 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	79	78		
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52		
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41		
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37		
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5099
5°	5101
10°	5091
15°	5067
20°	5028
25°	4986
30°	4903
35°	4850
40°	4786
45°	4655
50°	4218
55°	3537
60°	2626
65°	1494
70°	300
75°	66
80°	99
85°	196

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4655 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	4.2
10°-20°	137.1	12.1
20°-30°	206.7	18.2
30°-40°	246.9	21.7
40°-50°	249.2	21.9
50°-60°	179.2	15.8
60°-70°	64.2	5.6
70°-80°	3.3	0.3
80°-90°	1.2	0.1
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°	391.7	34.5
0°-40°	638.6	56.2
0°-60°	1067.1	94.0
0°-90°	1135.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	506	
5°	505	48
15°	486	137
25°	449	207
35°	395	247
45°	327	249
55°	202	179
65°	63	64
75°	2	3
85°	2	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	506.4
2.5°	504.7
5°	504.7
7.5°	501.3
10°	497.9
12.5°	492.9
15°	486.1
17.5°	477.6
20°	469.2
22.5°	460.7
25°	448.8
27.5°	437.0
30°	421.7
32.5°	408.2
35°	394.6
37.5°	381.1
40°	364.1
42.5°	348.9
45°	326.9
47.5°	299.8
50°	269.3
52.5°	237.1
55°	201.5
57.5°	166.0
60°	130.4
62.5°	96.5
65°	62.7
67.5°	32.2
70°	10.2
72.5°	3.4
75°	1.7
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)