

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: P1503947

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503947
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 (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

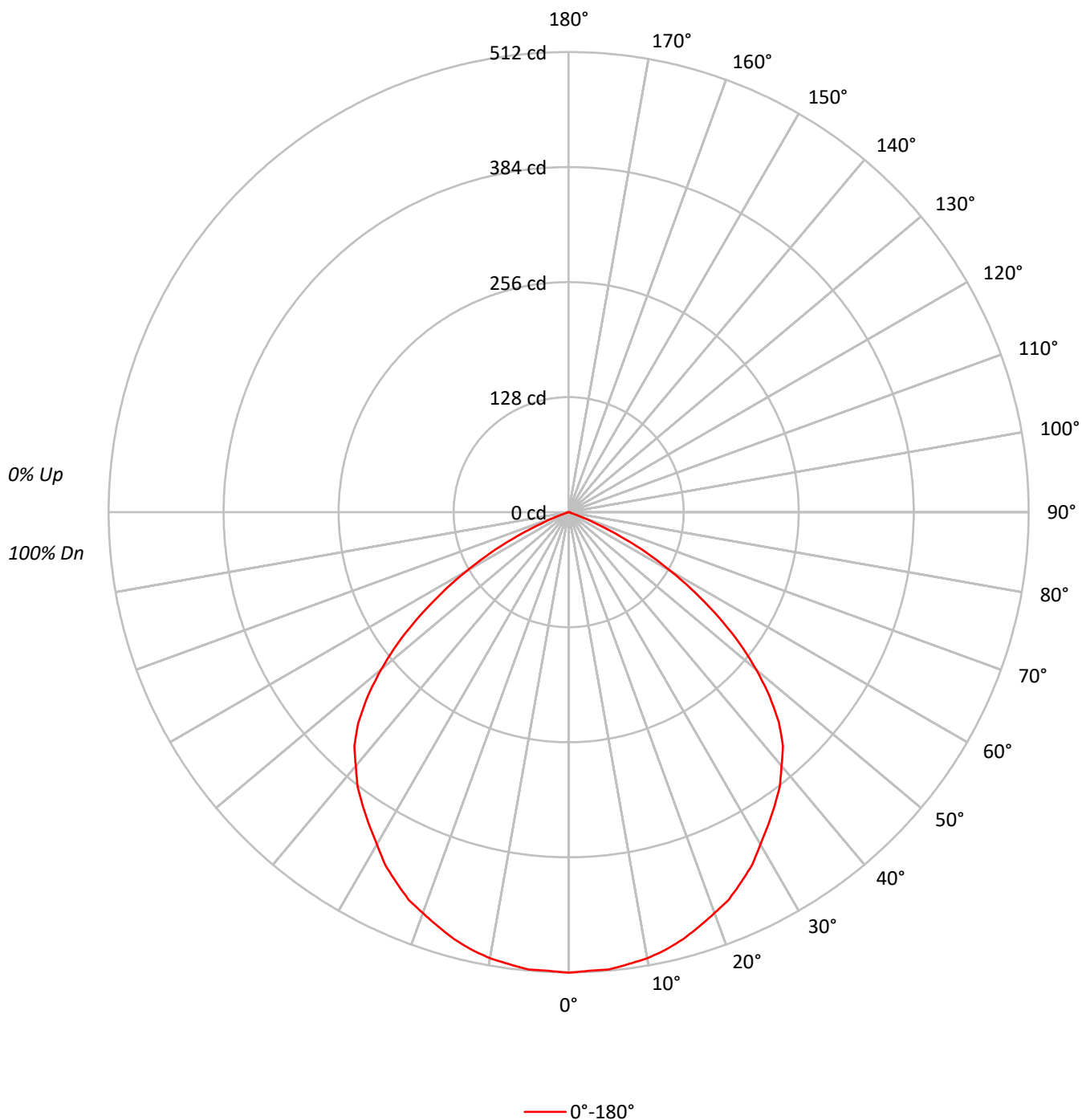
Lumens per Lamp: N/A
Luminaire Lumens: 1149.2 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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°	5159
5°	5162
10°	5152
15°	5128
20°	5087
25°	5046
30°	4961
35°	4908
40°	4844
45°	4711
50°	4269
55°	3579
60°	2658
65°	1511
70°	303
75°	66
80°	99
85°	196

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4711 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	4.2
10°-20°	138.7	12.1
20°-30°	209.2	18.2
30°-40°	249.9	21.7
40°-50°	252.1	21.9
50°-60°	181.4	15.8
60°-70°	64.9	5.7
70°-80°	3.4	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°	396.4	34.5
0°-40°	646.2	56.2
0°-60°	1079.7	94.0
0°-90°	1149.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1149.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	512	
5°	511	48
15°	492	139
25°	454	209
35°	399	250
45°	331	252
55°	204	181
65°	63	65
75°	2	3
85°	2	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	512.4
2.5°	510.7
5°	510.7
7.5°	507.3
10°	503.9
12.5°	498.7
15°	491.9
17.5°	483.3
20°	474.7
22.5°	466.2
25°	454.2
27.5°	442.2
30°	426.7
32.5°	413.0
35°	399.3
37.5°	385.6
40°	368.5
42.5°	353.0
45°	330.8
47.5°	303.3
50°	272.5
52.5°	239.9
55°	203.9
57.5°	168.0
60°	132.0
62.5°	97.7
65°	63.4
67.5°	32.6
70°	10.3
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)