

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: P1503953

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OC (2700K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-23)
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-OC (2700K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

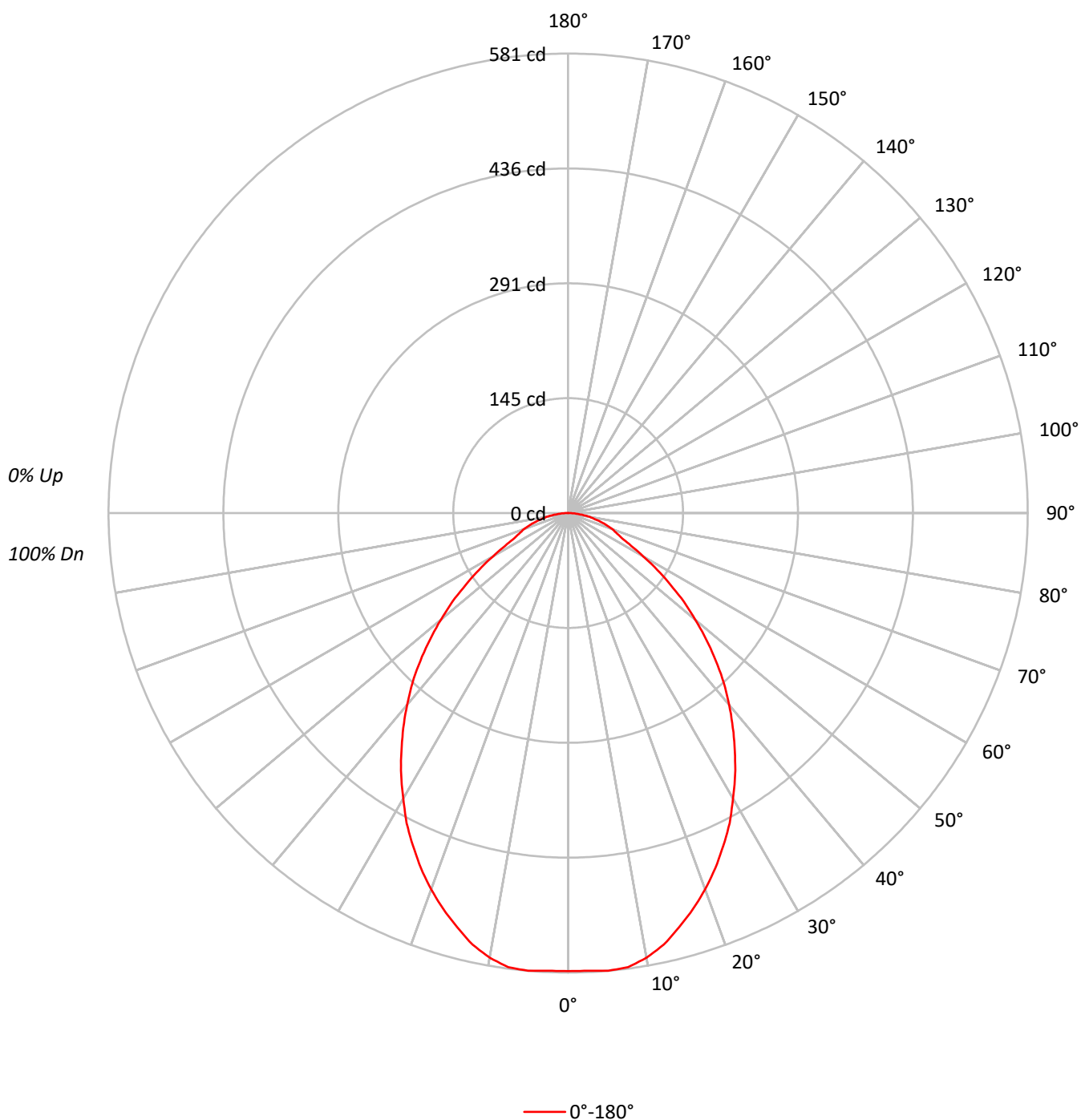
Lumens per Lamp: N/A
Luminaire Lumens: 1131.6 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	63	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		
7	70	58	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5832
5°	5871
10°	5836
15°	5650
20°	5426
25°	5156
30°	4844
35°	4517
40°	4163
45°	3762
50°	3290
55°	2765
60°	2217
65°	1775
70°	1746
75°	1646
80°	1571
85°	1375

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	4.9
10°-20°	152.4	13.5
20°-30°	213.3	18.8
30°-40°	229.5	20.3
40°-50°	203.3	18.0
50°-60°	141.8	12.5
60°-70°	77.9	6.9
70°-80°	44.9	4.0
80°-90°	13.4	1.2
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°	420.9	37.2
0°-40°	650.4	57.5
0°-60°	995.5	88.0
0°-90°	1131.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	579	
5°	581	55
15°	542	152
25°	464	213
35°	368	229
45°	264	203
55°	158	142
65°	74	78
75°	42	45
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	579.2
2.5°	579.2
5°	580.9
7.5°	579.2
10°	570.8
12.5°	558.9
15°	542.0
17.5°	525.0
20°	506.4
22.5°	486.1
25°	464.1
27.5°	442.1
30°	416.6
32.5°	392.9
35°	367.5
37.5°	342.1
40°	316.7
42.5°	291.3
45°	264.2
47.5°	237.1
50°	210.0
52.5°	184.6
55°	157.5
57.5°	133.8
60°	110.1
62.5°	89.8
65°	74.5
67.5°	66.1
70°	59.3
72.5°	50.8
75°	42.3
77.5°	33.9
80°	27.1
82.5°	18.6
85°	11.9
87.5°	5.1
90°	0.0

(END OF REPORT)