

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: P1503968

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-20)
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-OT (2700K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

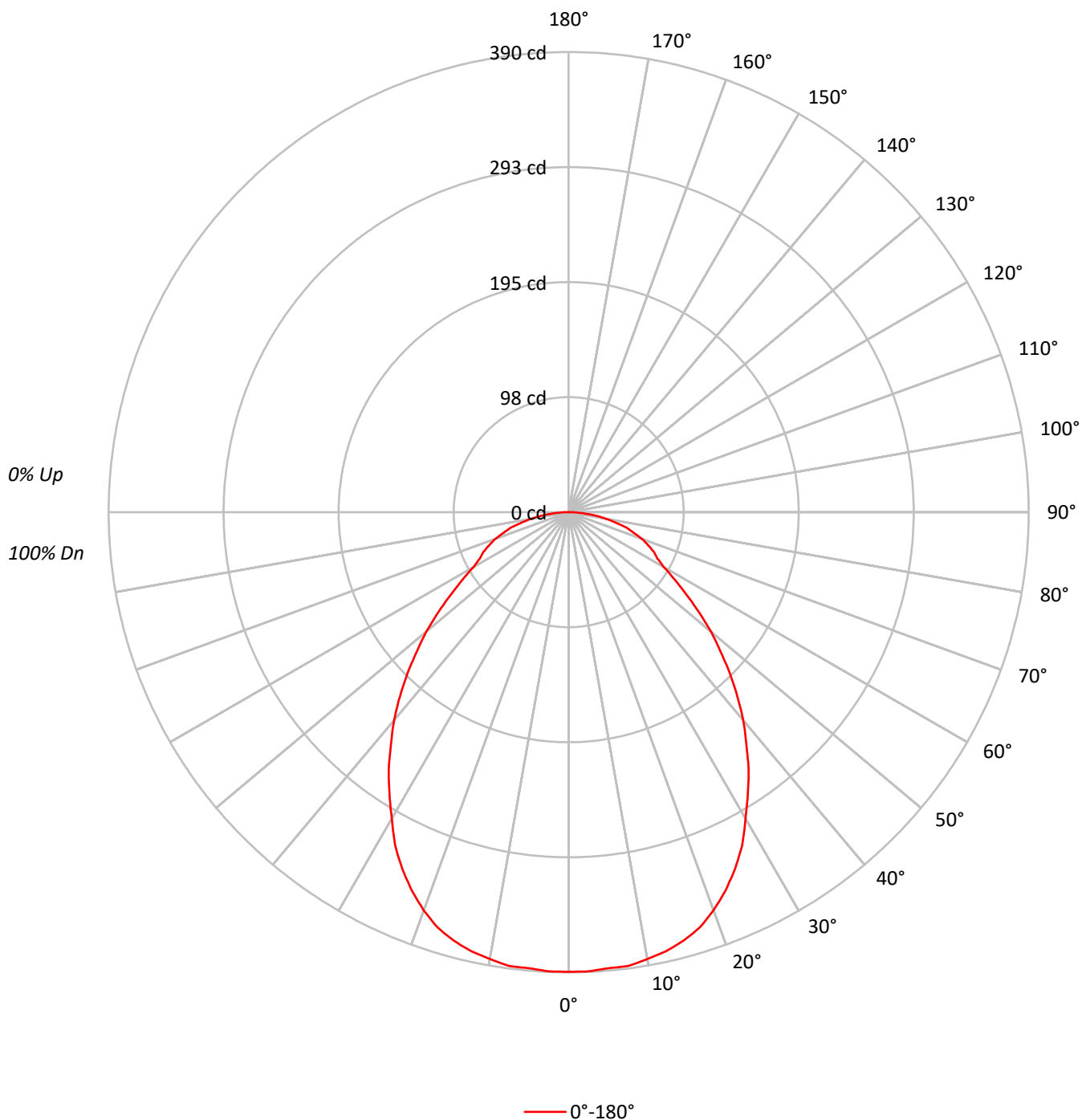
Lumens per Lamp: N/A
Luminaire Lumens: 867.5 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	0
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	109	105	101	97		107	103	99	96		98	95	93		95	92	90		91	89	87	85
2	100	93	86	81		98	91	85	80		87	82	78		84	80	76		81	78	75	73
3	92	82	75	69		90	81	74	68		78	72	67		75	70	66		73	68	65	62
4	85	74	65	59		83	72	65	59		70	63	58		68	62	57		66	61	56	54
5	79	66	58	52		77	65	57	51		63	56	51		61	55	50		60	54	50	48
6	73	60	52	46		71	59	51	46		58	51	45		56	50	45		55	49	44	43
7	68	55	47	41		66	54	46	41		53	46	41		51	45	40		50	44	40	38
8	64	51	43	37		62	50	42	37		49	42	37		47	41	36		46	41	36	34
9	60	47	39	34		58	46	39	33		45	38	33		44	38	33		43	37	33	31
10	56	43	36	31		55	43	36	31		42	35	30		41	35	30		40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3922
5°	3921
10°	3931
15°	3919
20°	3848
25°	3707
30°	3486
35°	3268
40°	3027
45°	2750
50°	2467
55°	2140
60°	1877
65°	1896
70°	1946
75°	1976
80°	1867
85°	1560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	4.3
10°-20°	105.8	12.2
20°-30°	153.0	17.6
30°-40°	165.8	19.1
40°-50°	148.9	17.2
50°-60°	110.0	12.7
60°-70°	78.4	9.0
70°-80°	52.3	6.0
80°-90°	16.3	1.9
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°	295.8	34.1
0°-40°	461.5	53.2
0°-60°	720.4	83.0
0°-90°	867.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	390	
5°	388	37
15°	376	106
25°	334	153
35°	266	166
45°	193	149
55°	122	110
65°	80	78
75°	51	52
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	389.5
2.5°	389.5
5°	387.9
7.5°	387.9
10°	384.5
12.5°	381.1
15°	376.0
17.5°	369.2
20°	359.1
22.5°	347.2
25°	333.7
27.5°	318.4
30°	299.8
32.5°	282.8
35°	265.9
37.5°	247.3
40°	230.3
42.5°	211.7
45°	193.1
47.5°	174.4
50°	157.5
52.5°	138.9
55°	121.9
57.5°	106.7
60°	93.2
62.5°	84.7
65°	79.6
67.5°	72.8
70°	66.1
72.5°	57.6
75°	50.8
77.5°	40.6
80°	32.2
82.5°	23.7
85°	13.5
87.5°	6.8
90°	0.0

(END OF REPORT)