

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: P1504013

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-21)
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-OT (2700K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

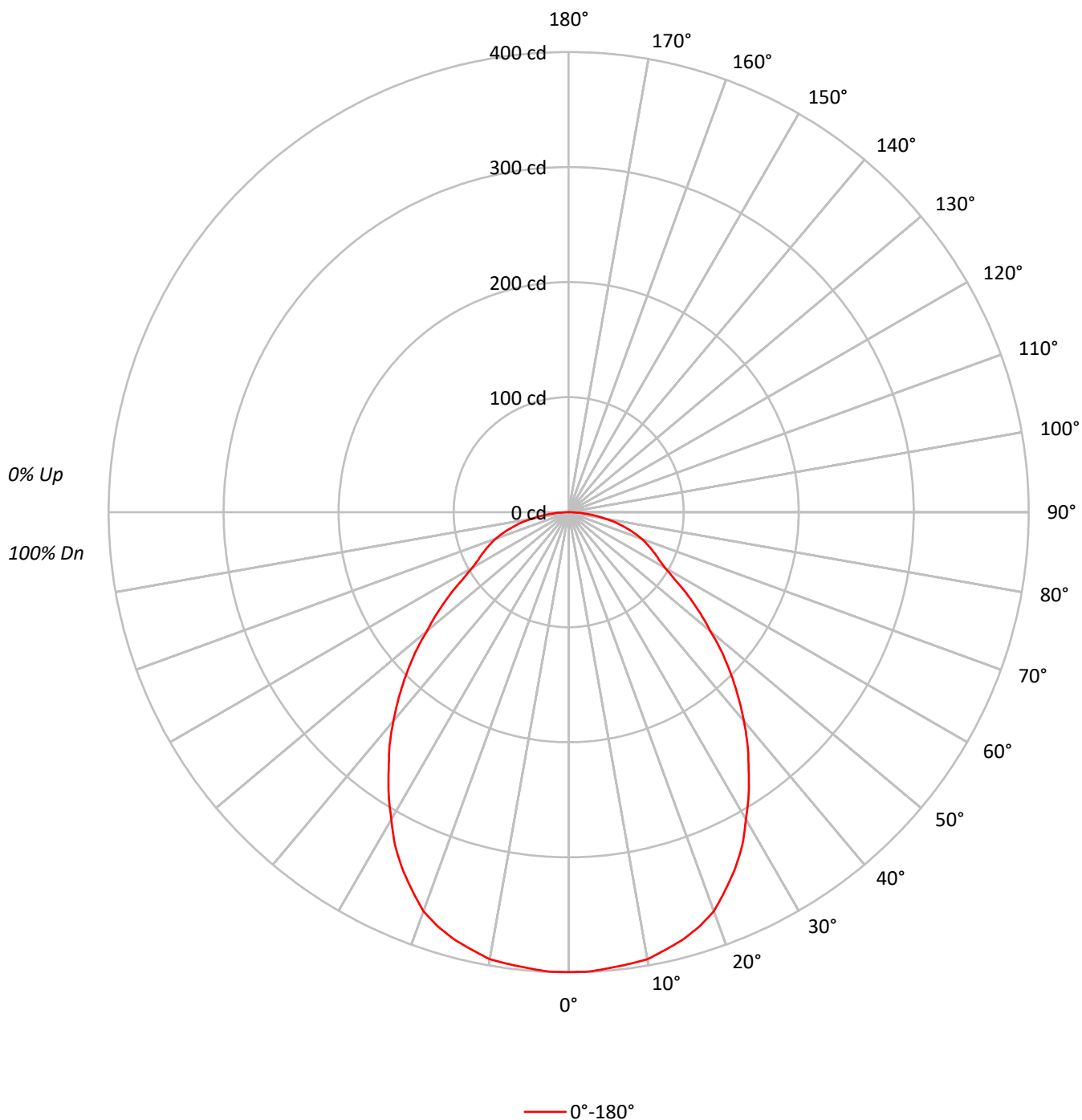
Lumens per Lamp: N/A
Luminaire Lumens: 891.9 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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					0		
RW	70	50	30	10		70	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		99	96	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		54	49	44		42
7	68	55	47	41		66	54	46	41		53	46	41		51	45	40		50	44	40		38
8	64	51	42	37		62	50	42	37		49	42	37		47	41	36		46	40	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	35	31		42	35	30		41	35	30		40	34	30		28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4025
5°	4023
10°	4035
15°	4008
20°	3956
25°	3801
30°	3585
35°	3352
40°	3116
45°	2847
50°	2520
55°	2229
60°	1943
65°	1937
70°	1993
75°	1976
80°	1867
85°	1756

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	4.2
10°-20°	108.3	12.1
20°-30°	157.0	17.6
30°-40°	170.7	19.1
40°-50°	153.8	17.2
50°-60°	113.8	12.8
60°-70°	80.7	9.1
70°-80°	53.4	6.0
80°-90°	16.3	1.8
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°	303.2	34.0
0°-40°	473.9	53.1
0°-60°	741.5	83.1
0°-90°	891.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	400	
5°	398	38
15°	384	108
25°	342	157
35°	273	171
45°	200	154
55°	127	114
65°	81	81
75°	51	53
85°	15	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	399.7
2.5°	399.7
5°	398.0
7.5°	396.3
10°	394.6
12.5°	389.5
15°	384.5
17.5°	377.7
20°	369.2
22.5°	355.7
25°	342.1
27.5°	326.9
30°	308.3
32.5°	291.3
35°	272.7
37.5°	255.7
40°	237.1
42.5°	218.5
45°	199.9
47.5°	181.2
50°	160.9
52.5°	144.0
55°	127.0
57.5°	110.1
60°	96.5
62.5°	88.1
65°	81.3
67.5°	74.5
70°	67.7
72.5°	59.3
75°	50.8
77.5°	42.3
80°	32.2
82.5°	23.7
85°	15.2
87.5°	5.1
90°	0.0

(END OF REPORT)