

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: P1504150

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OT (2700K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504150
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-D2W-XXXX-BRSS-XX-OT (2700K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

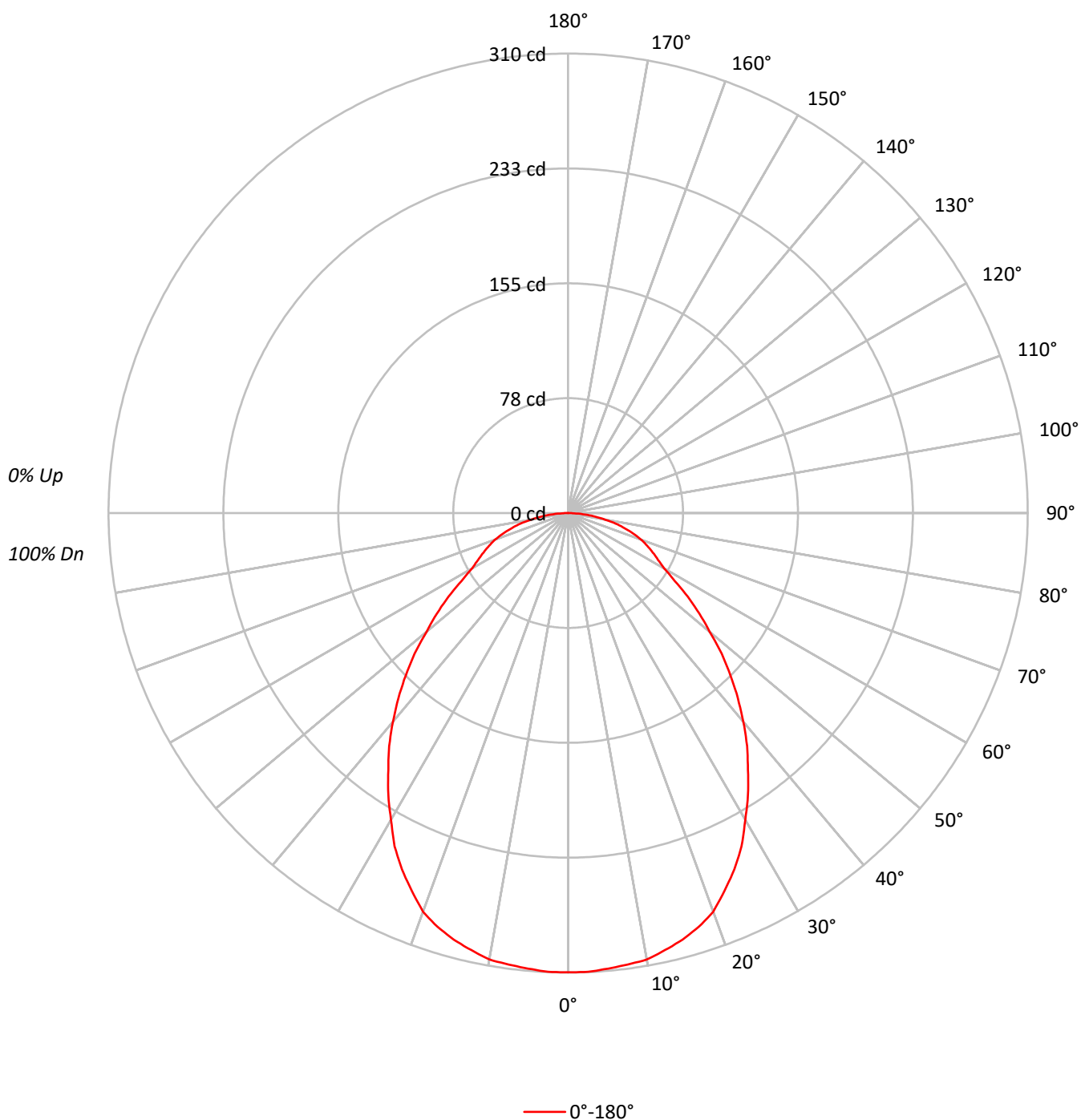
Lumens per Lamp: N/A
Luminaire Lumens: 691.4 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.5
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	
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	
1	109	105	101	97		107	103	99	96		99	96	93		95	92	90		91	89	87	
2	100	93	86	81		98	91	85	80		87	82	78		84	80	76		81	78	75	
3	92	82	75	69		90	81	74	68		78	72	67		75	70	66		73	68	65	
4	85	74	65	59		83	72	65	59		70	63	58		68	62	57		66	61	56	
5	79	66	58	52		77	65	57	51		63	56	51		61	55	50		60	54	50	
6	73	60	52	46		71	59	51	46		58	51	45		56	50	45		54	49	44	
7	68	55	47	41		66	54	46	41		53	46	41		51	45	40		50	44	40	
8	64	51	42	37		62	50	42	37		49	42	37		47	41	36		46	40	36	
9	60	47	39	34		58	46	39	33		45	38	33		44	38	33		43	37	33	
10	56	43	36	31		55	43	35	31		42	35	30		41	35	30		40	34	30	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3119
5°	3118
10°	3128
15°	3106
20°	3067
25°	2946
30°	2778
35°	2599
40°	2416
45°	2206
50°	1953
55°	1729
60°	1506
65°	1501
70°	1546
75°	1533
80°	1444
85°	1363

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2206 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	4.2
10°-20°	84.0	12.1
20°-30°	121.7	17.6
30°-40°	132.3	19.1
40°-50°	119.2	17.2
50°-60°	88.2	12.8
60°-70°	62.6	9.1
70°-80°	41.4	6.0
80°-90°	12.7	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°	235.0	34.0
0°-40°	367.3	53.1
0°-60°	574.7	83.1
0°-90°	691.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	691.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	310	
5°	308	29
15°	298	84
25°	265	122
35°	211	132
45°	155	119
55°	98	88
65°	63	63
75°	39	41
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	309.8
2.5°	309.8
5°	308.5
7.5°	307.2
10°	305.9
12.5°	302.0
15°	298.0
17.5°	292.8
20°	286.2
22.5°	275.7
25°	265.2
27.5°	253.4
30°	238.9
32.5°	225.8
35°	211.4
37.5°	198.2
40°	183.8
42.5°	169.4
45°	154.9
47.5°	140.5
50°	124.7
52.5°	111.6
55°	98.5
57.5°	85.3
60°	74.8
62.5°	68.3
65°	63.0
67.5°	57.8
70°	52.5
72.5°	46.0
75°	39.4
77.5°	32.8
80°	24.9
82.5°	18.4
85°	11.8
87.5°	3.9
90°	0.0

(END OF REPORT)