

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: P1504120

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-18)
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-ND (2700K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, 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

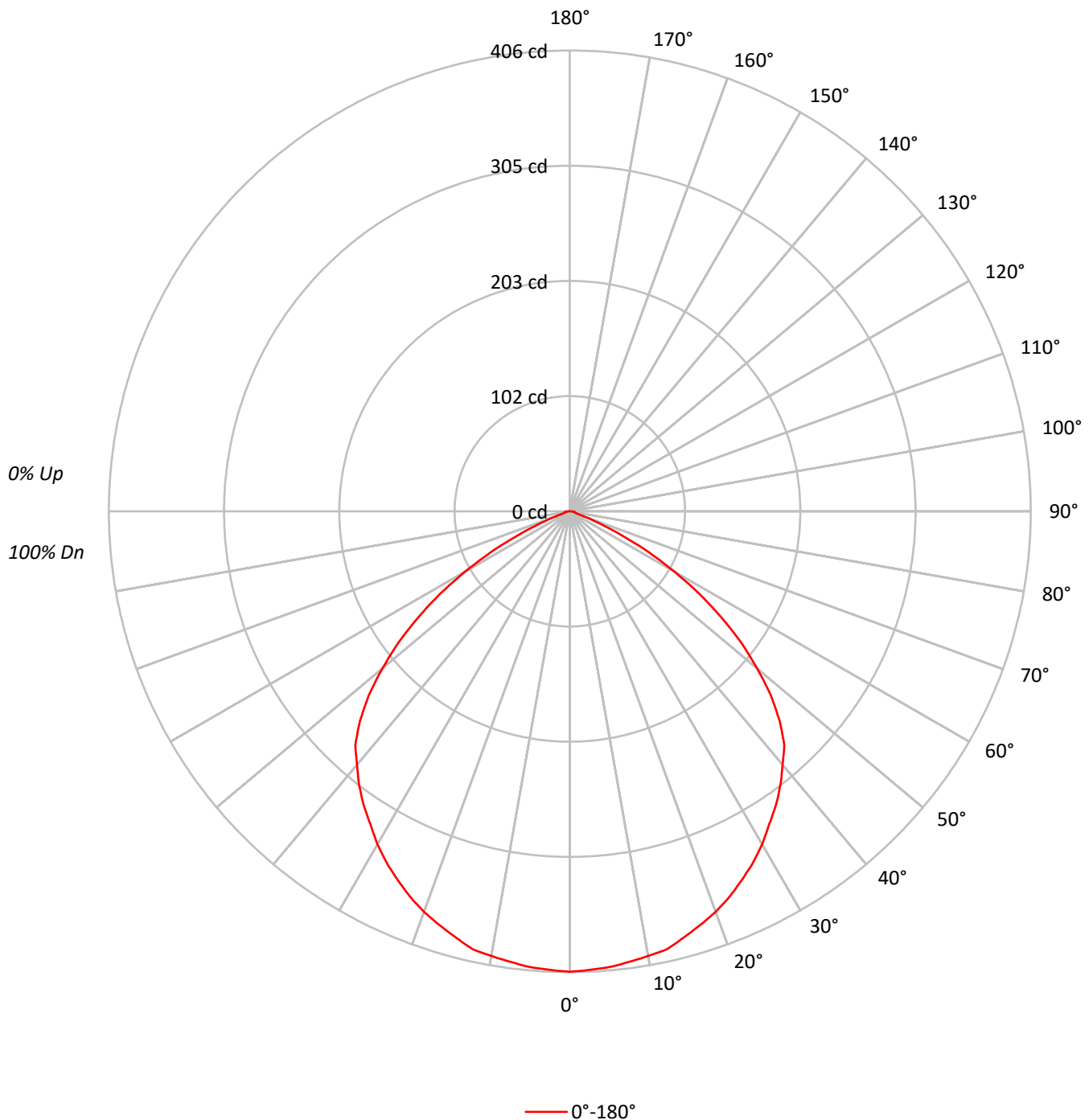
Lumens per Lamp: N/A
Luminaire Lumens: 918.9 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67			
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	54	64	58	54	63	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45			
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40			
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	30			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4085
5°	4074
10°	4067
15°	4051
20°	4024
25°	3982
30°	3938
35°	3889
40°	3832
45°	3721
50°	3373
55°	2858
60°	2141
65°	1251
70°	386
75°	206
80°	226
85°	300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3721 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	4.2
10°-20°	109.7	11.9
20°-30°	165.2	18.0
30°-40°	197.8	21.5
40°-50°	199.5	21.7
50°-60°	144.7	15.7
60°-70°	54.3	5.9
70°-80°	6.8	0.7
80°-90°	2.7	0.3
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°	313.2	34.1
0°-40°	511.0	55.6
0°-60°	855.2	93.1
0°-90°	918.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	406	
5°	403	38
15°	389	110
25°	358	165
35°	316	198
45°	261	199
55°	163	145
65°	52	54
75°	5	7
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	405.7
2.5°	404.4
5°	403.1
7.5°	400.4
10°	397.8
12.5°	395.2
15°	388.6
17.5°	382.1
20°	375.5
22.5°	367.6
25°	358.4
27.5°	349.2
30°	338.7
32.5°	326.9
35°	316.4
37.5°	304.6
40°	291.5
42.5°	279.6
45°	261.3
47.5°	240.3
50°	215.3
52.5°	190.4
55°	162.8
57.5°	135.2
60°	106.3
62.5°	78.8
65°	52.5
67.5°	30.2
70°	13.1
72.5°	6.6
75°	5.3
77.5°	5.3
80°	3.9
82.5°	3.9
85°	2.6
87.5°	1.3
90°	0.0

(END OF REPORT)