

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: P1503996

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-ND (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503996
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-010-XXXX-BRSS-XX-ND (5000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

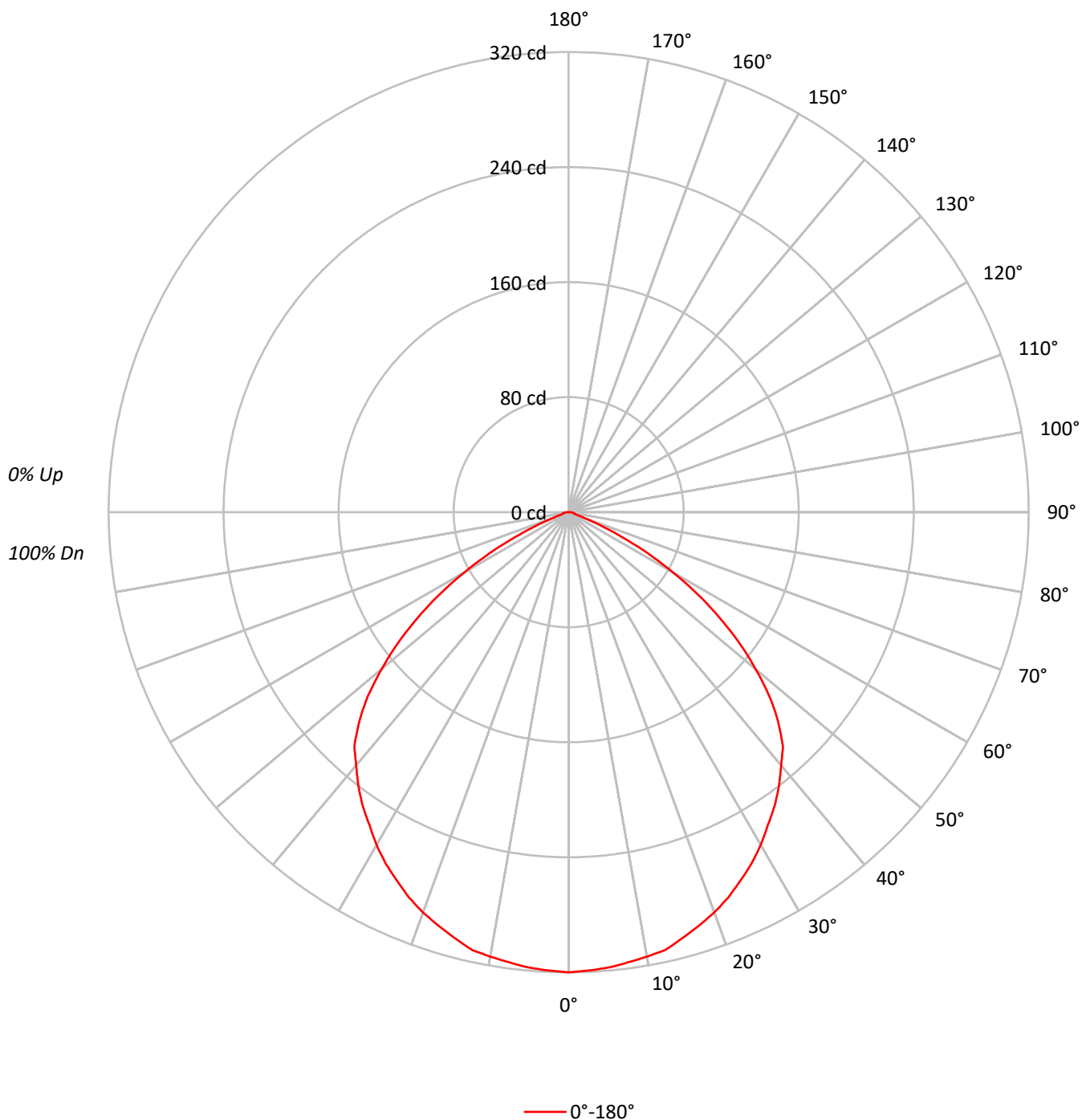
Lumens per Lamp: N/A
Luminaire Lumens: 724.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	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°	3222
5°	3213
10°	3208
15°	3195
20°	3174
25°	3141
30°	3107
35°	3068
40°	3022
45°	2935
50°	2660
55°	2254
60°	1690
65°	986
70°	306
75°	160
80°	180
85°	243

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2935 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	4.2
10°-20°	86.5	11.9
20°-30°	130.4	18.0
30°-40°	156.0	21.5
40°-50°	157.4	21.7
50°-60°	114.1	15.7
60°-70°	42.8	5.9
70°-80°	5.3	0.7
80°-90°	2.1	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°	247.1	34.1
0°-40°	403.1	55.6
0°-60°	674.6	93.1
0°-90°	724.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	320	
5°	318	30
15°	306	87
25°	283	130
35°	250	156
45°	206	157
55°	128	114
65°	41	43
75°	4	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	320.0
2.5°	319.0
5°	317.9
7.5°	315.8
10°	313.8
12.5°	311.7
15°	306.5
17.5°	301.4
20°	296.2
22.5°	290.0
25°	282.7
27.5°	275.5
30°	267.2
32.5°	257.9
35°	249.6
37.5°	240.3
40°	229.9
42.5°	220.6
45°	206.1
47.5°	189.5
50°	169.8
52.5°	150.2
55°	128.4
57.5°	106.7
60°	83.9
62.5°	62.1
65°	41.4
67.5°	23.8
70°	10.4
72.5°	5.2
75°	4.1
77.5°	4.1
80°	3.1
82.5°	3.1
85°	2.1
87.5°	1.0
90°	0.0

(END OF REPORT)