

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: P1503997

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-ND (5000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503997
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-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

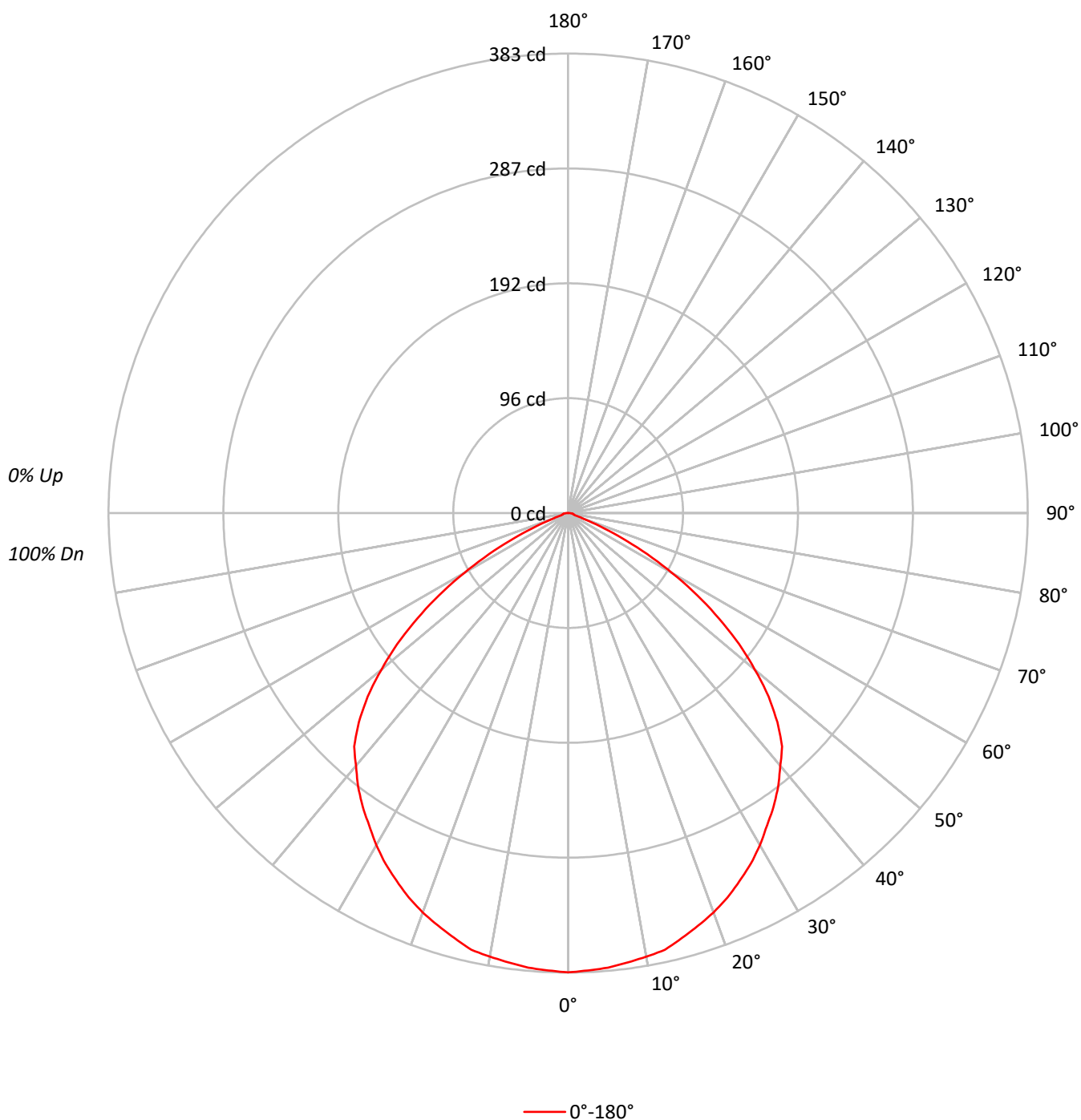
Lumens per Lamp: N/A
Luminaire Lumens: 867.1 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.4
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	
C	2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	
R	3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67	
C	4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	58	
R	5	81	69	61	55	79	68	61	55	66	60	54	64	58	54	63	57	53	51	
C	6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45	
R	7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40	
C	8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36	
R	9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33	
C	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°	3854
5°	3845
10°	3838
15°	3823
20°	3796
25°	3757
30°	3716
35°	3670
40°	3615
45°	3510
50°	3183
55°	2696
60°	2022
65°	1182
70°	365
75°	195
80°	215
85°	289

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	4.2
10°-20°	103.5	11.9
20°-30°	155.9	18.0
30°-40°	186.6	21.5
40°-50°	188.2	21.7
50°-60°	136.5	15.7
60°-70°	51.2	5.9
70°-80°	6.4	0.7
80°-90°	2.5	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°	295.6	34.1
0°-40°	482.2	55.6
0°-60°	807.0	93.1
0°-90°	867.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	383	
5°	380	36
15°	367	103
25°	338	156
35°	299	187
45°	246	188
55°	154	137
65°	50	51
75°	5	6
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	382.8
2.5°	381.6
5°	380.4
7.5°	377.9
10°	375.4
12.5°	372.9
15°	366.7
17.5°	360.5
20°	354.3
22.5°	346.9
25°	338.2
27.5°	329.6
30°	319.6
32.5°	308.5
35°	298.6
37.5°	287.4
40°	275.0
42.5°	263.9
45°	246.5
47.5°	226.7
50°	203.2
52.5°	179.6
55°	153.6
57.5°	127.6
60°	100.4
62.5°	74.3
65°	49.6
67.5°	28.5
70°	12.4
72.5°	6.2
75°	5.0
77.5°	5.0
80°	3.7
82.5°	3.7
85°	2.5
87.5°	1.2
90°	0.0

(END OF REPORT)