

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: P1503963

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OC (4000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-23)
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-BRNZ-XX-OC (4000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

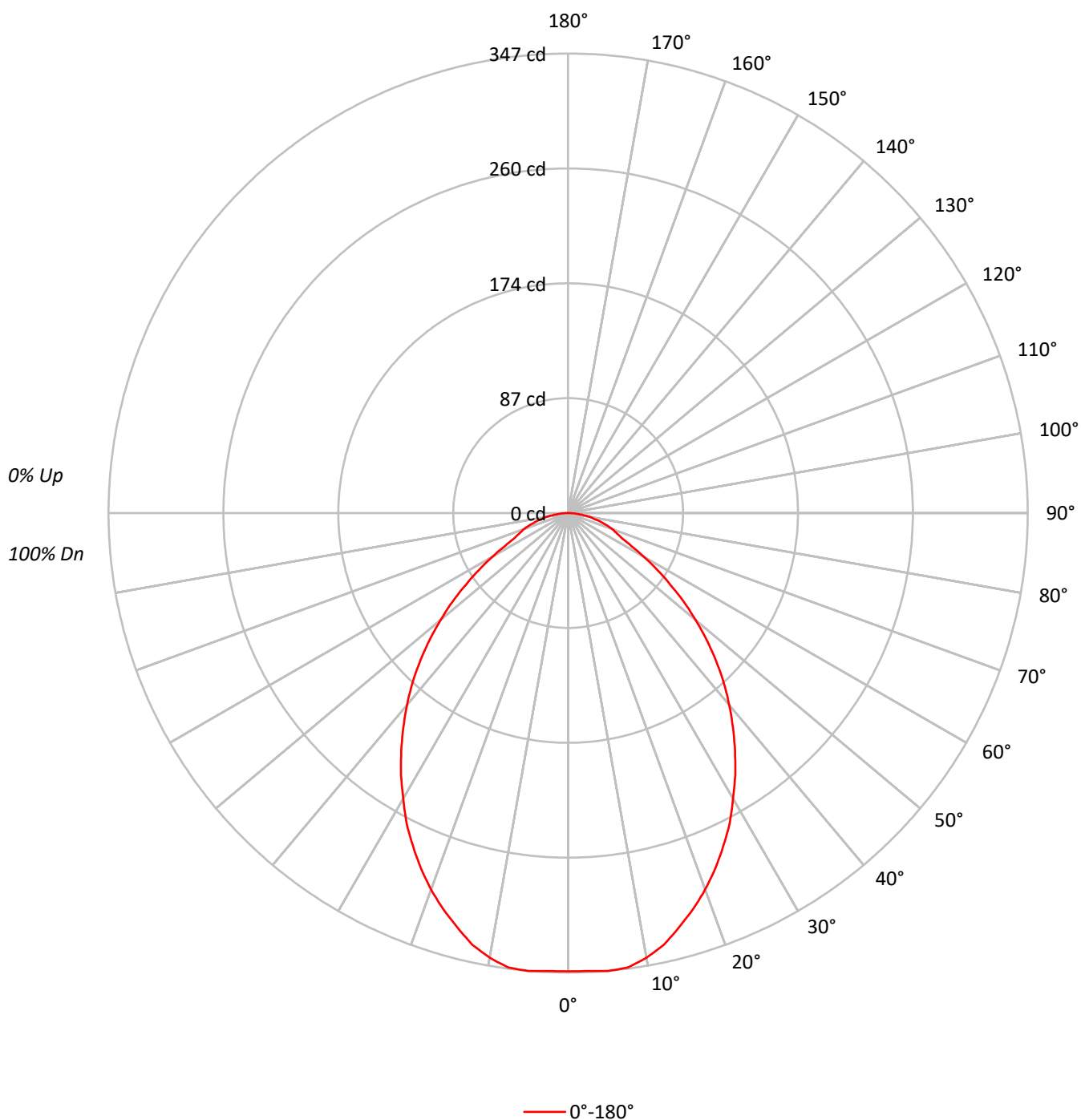
Lumens per Lamp: N/A
Luminaire Lumens: 676.1 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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				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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66			
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46			
7	70	58	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34			
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3485
5°	3508
10°	3486
15°	3375
20°	3241
25°	3081
30°	2894
35°	2699
40°	2487
45°	2248
50°	1966
55°	1652
60°	1325
65°	1060
70°	1042
75°	984
80°	939
85°	820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2248 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	4.9
10°-20°	91.1	13.5
20°-30°	127.4	18.8
30°-40°	137.1	20.3
40°-50°	121.5	18.0
50°-60°	84.7	12.5
60°-70°	46.5	6.9
70°-80°	26.8	4.0
80°-90°	8.0	1.2
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°	251.5	37.2
0°-40°	388.6	57.5
0°-60°	594.8	88.0
0°-90°	676.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	346	
5°	347	33
15°	324	91
25°	277	127
35°	220	137
45°	158	121
55°	94	85
65°	44	47
75°	25	27
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	346.1
2.5°	346.1
5°	347.1
7.5°	346.1
10°	341.0
12.5°	333.9
15°	323.8
17.5°	313.7
20°	302.5
22.5°	290.4
25°	277.3
27.5°	264.1
30°	248.9
32.5°	234.8
35°	219.6
37.5°	204.4
40°	189.2
42.5°	174.0
45°	157.9
47.5°	141.7
50°	125.5
52.5°	110.3
55°	94.1
57.5°	79.9
60°	65.8
62.5°	53.6
65°	44.5
67.5°	39.5
70°	35.4
72.5°	30.4
75°	25.3
77.5°	20.2
80°	16.2
82.5°	11.1
85°	7.1
87.5°	3.0
90°	0.0

(END OF REPORT)