

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: P1503960

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OC (3500K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503960
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 (3500K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

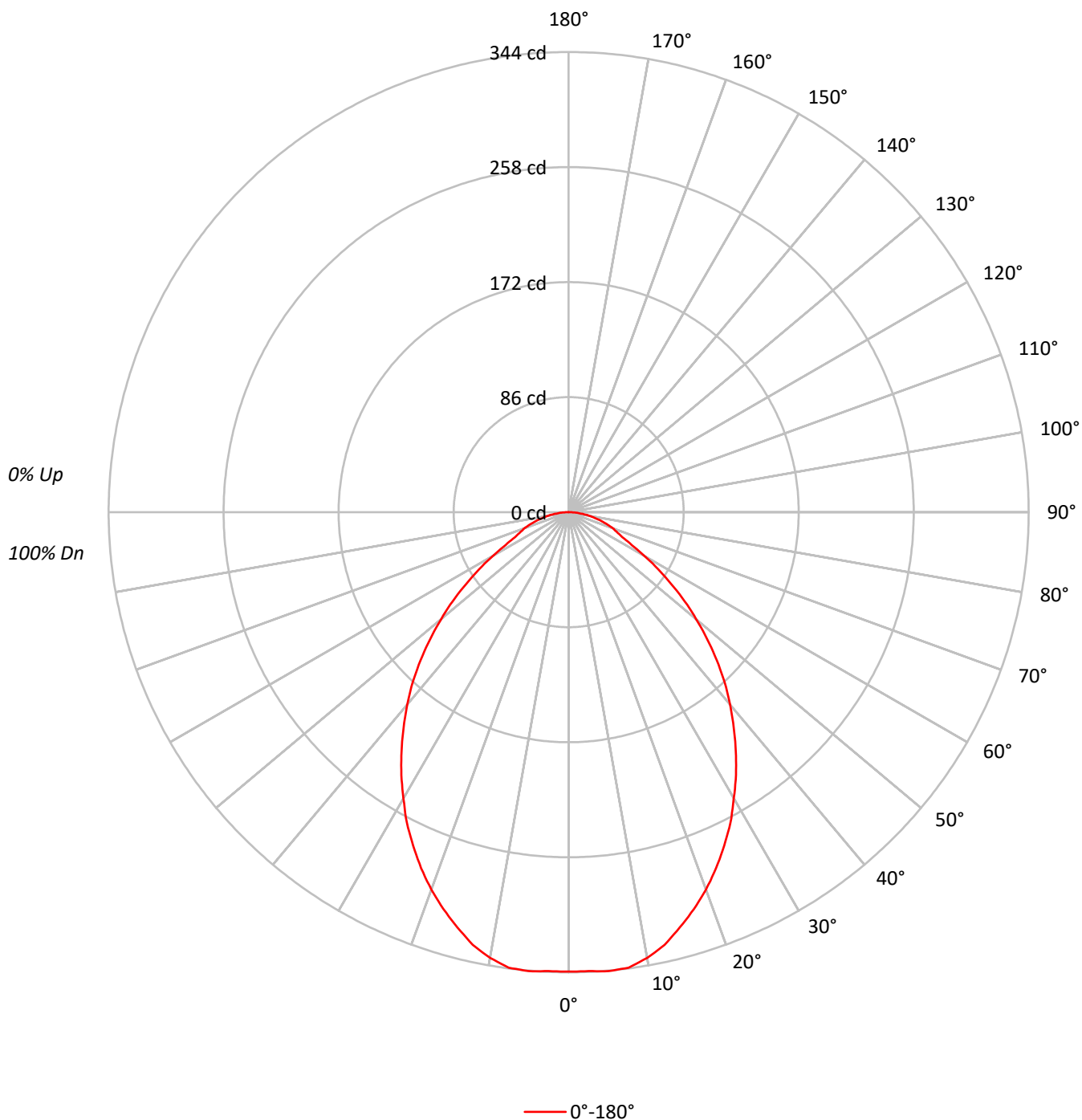
Lumens per Lamp: N/A
Luminaire Lumens: 670.8 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	63	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°	3458
5°	3481
10°	3459
15°	3349
20°	3217
25°	3056
30°	2872
35°	2678
40°	2467
45°	2230
50°	1950
55°	1640
60°	1315
65°	1053
70°	1033
75°	976
80°	934
85°	809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2230 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	4.9
10°-20°	90.4	13.5
20°-30°	126.4	18.8
30°-40°	136.1	20.3
40°-50°	120.5	18.0
50°-60°	84.0	12.5
60°-70°	46.2	6.9
70°-80°	26.6	4.0
80°-90°	7.9	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°	249.5	37.2
0°-40°	385.5	57.5
0°-60°	590.1	88.0
0°-90°	670.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	343	
5°	344	33
15°	321	90
25°	275	126
35°	218	136
45°	157	121
55°	93	84
65°	44	46
75°	25	27
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	343.4
2.5°	343.4
5°	344.4
7.5°	343.4
10°	338.3
12.5°	331.3
15°	321.3
17.5°	311.2
20°	300.2
22.5°	288.1
25°	275.1
27.5°	262.0
30°	247.0
32.5°	232.9
35°	217.9
37.5°	202.8
40°	187.7
42.5°	172.7
45°	156.6
47.5°	140.6
50°	124.5
52.5°	109.4
55°	93.4
57.5°	79.3
60°	65.3
62.5°	53.2
65°	44.2
67.5°	39.2
70°	35.1
72.5°	30.1
75°	25.1
77.5°	20.1
80°	16.1
82.5°	11.0
85°	7.0
87.5°	3.0
90°	0.0

(END OF REPORT)