

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: P1504097

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-OC (4000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504097
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-D2W-XXXX-BRNZ-XX-OC (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

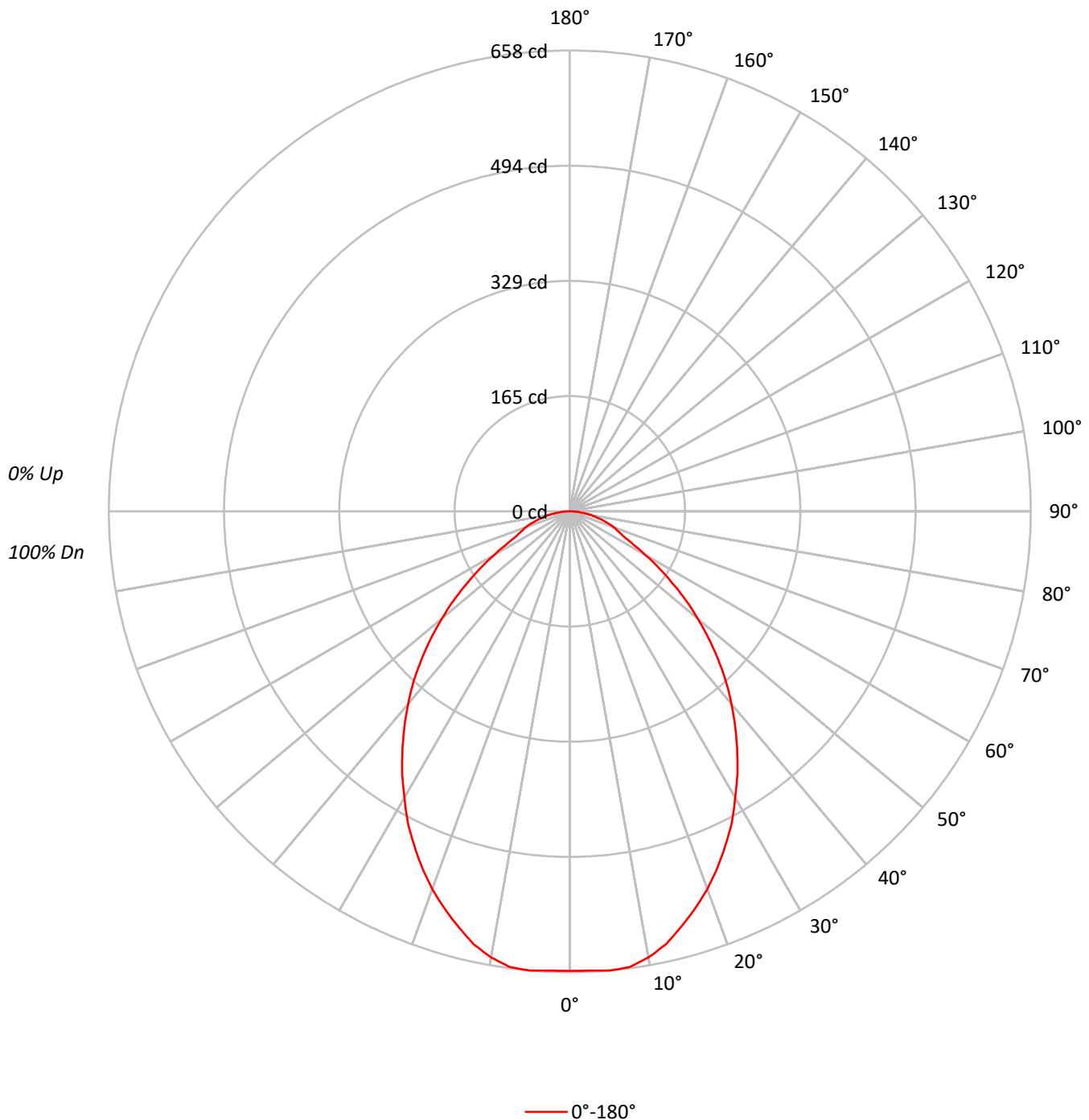
Lumens per Lamp: N/A
Luminaire Lumens: 1282.3 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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°	6608
5°	6654
10°	6612
15°	6402
20°	6148
25°	5842
30°	5489
35°	5118
40°	4717
45°	4263
50°	3728
55°	3134
60°	2511
65°	2011
70°	1978
75°	1867
80°	1780
85°	1548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	4.9
10°-20°	172.7	13.5
20°-30°	241.7	18.8
30°-40°	260.1	20.3
40°-50°	230.4	18.0
50°-60°	160.7	12.5
60°-70°	88.2	6.9
70°-80°	50.9	4.0
80°-90°	15.1	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°	476.9	37.2
0°-40°	737.0	57.5
0°-60°	1128.0	88.0
0°-90°	1282.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1282.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	656	
5°	658	62
15°	614	173
25°	526	242
35°	416	260
45°	299	230
55°	178	161
65°	84	88
75°	48	51
85°	13	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	656.3
2.5°	656.3
5°	658.3
7.5°	656.3
10°	646.7
12.5°	633.3
15°	614.1
17.5°	594.9
20°	573.8
22.5°	550.8
25°	525.8
27.5°	500.9
30°	472.1
32.5°	445.2
35°	416.4
37.5°	387.7
40°	358.9
42.5°	330.1
45°	299.4
47.5°	268.7
50°	238.0
52.5°	209.2
55°	178.5
57.5°	151.6
60°	124.7
62.5°	101.7
65°	84.4
67.5°	74.8
70°	67.2
72.5°	57.6
75°	48.0
77.5°	38.4
80°	30.7
82.5°	21.1
85°	13.4
87.5°	5.8
90°	0.0

(END OF REPORT)