

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: P1504025

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (5000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-21)
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-OT (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

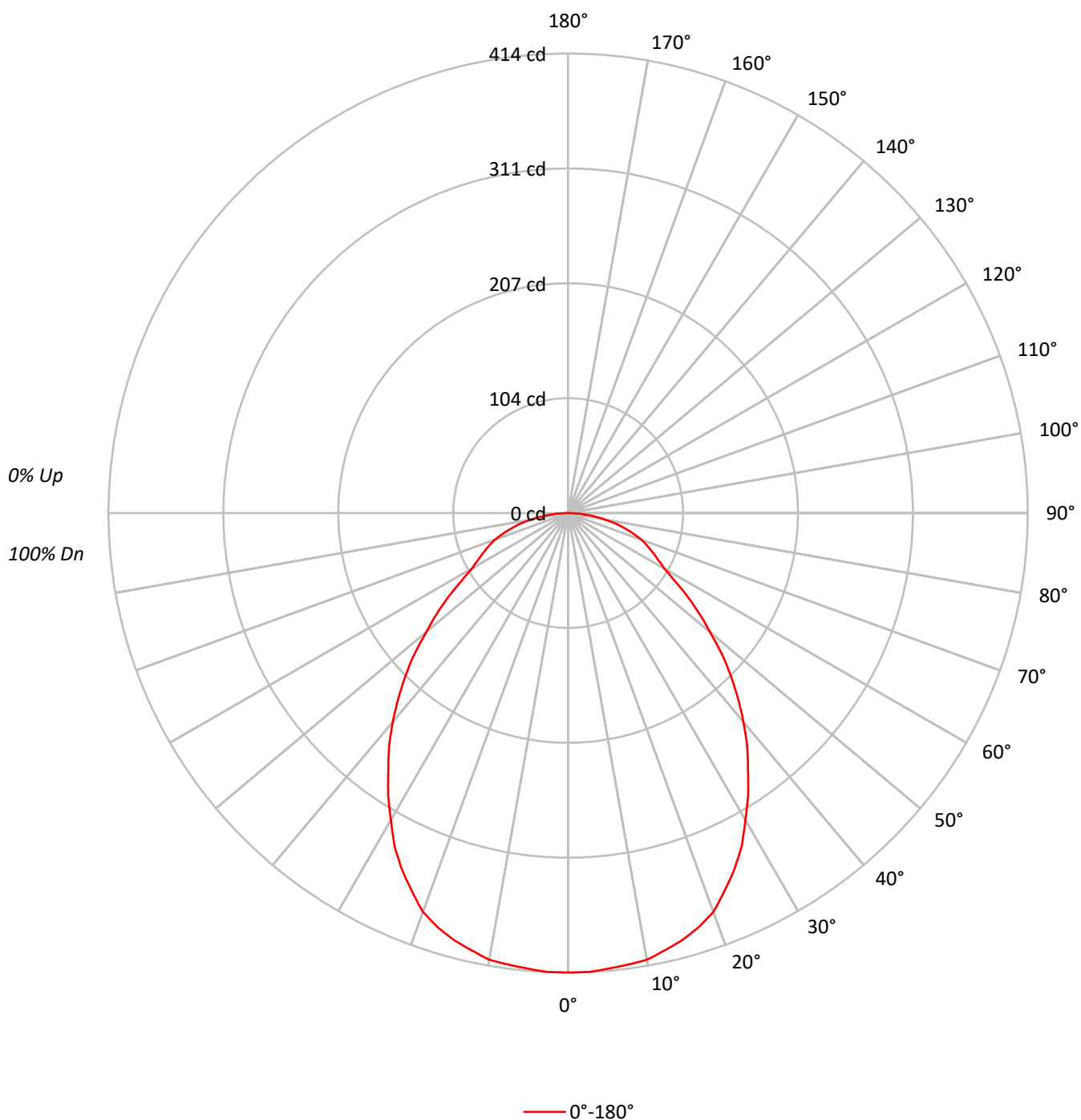
Lumens per Lamp: N/A
Luminaire Lumens: 923.7 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62		
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54		
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	46	58	51	45	56	50	45	54	49	44	42		
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38		
8	64	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4168
5°	4166
10°	4179
15°	4150
20°	4097
25°	3936
30°	3711
35°	3471
40°	3228
45°	2948
50°	2610
55°	2308
60°	2014
65°	2006
70°	2067
75°	2046
80°	1931
85°	1825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	4.2
10°-20°	112.2	12.1
20°-30°	162.5	17.6
30°-40°	176.8	19.1
40°-50°	159.3	17.2
50°-60°	117.8	12.8
60°-70°	83.6	9.1
70°-80°	55.3	6.0
80°-90°	17.0	1.8
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°	314.0	34.0
0°-40°	490.7	53.1
0°-60°	767.9	83.1
0°-90°	923.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	923.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	414	
5°	412	39
15°	398	112
25°	354	163
35°	282	177
45°	207	159
55°	132	118
65°	84	84
75°	53	55
85°	16	17
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	413.9
2.5°	413.9
5°	412.2
7.5°	410.4
10°	408.7
12.5°	403.4
15°	398.1
17.5°	391.1
20°	382.4
22.5°	368.3
25°	354.3
27.5°	338.5
30°	319.2
32.5°	301.7
35°	282.4
37.5°	264.8
40°	245.6
42.5°	226.3
45°	207.0
47.5°	187.7
50°	166.6
52.5°	149.1
55°	131.5
57.5°	114.0
60°	100.0
62.5°	91.2
65°	84.2
67.5°	77.2
70°	70.2
72.5°	61.4
75°	52.6
77.5°	43.8
80°	33.3
82.5°	24.6
85°	15.8
87.5°	5.3
90°	0.0

(END OF REPORT)