

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: P1504010

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-24)
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-OC (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

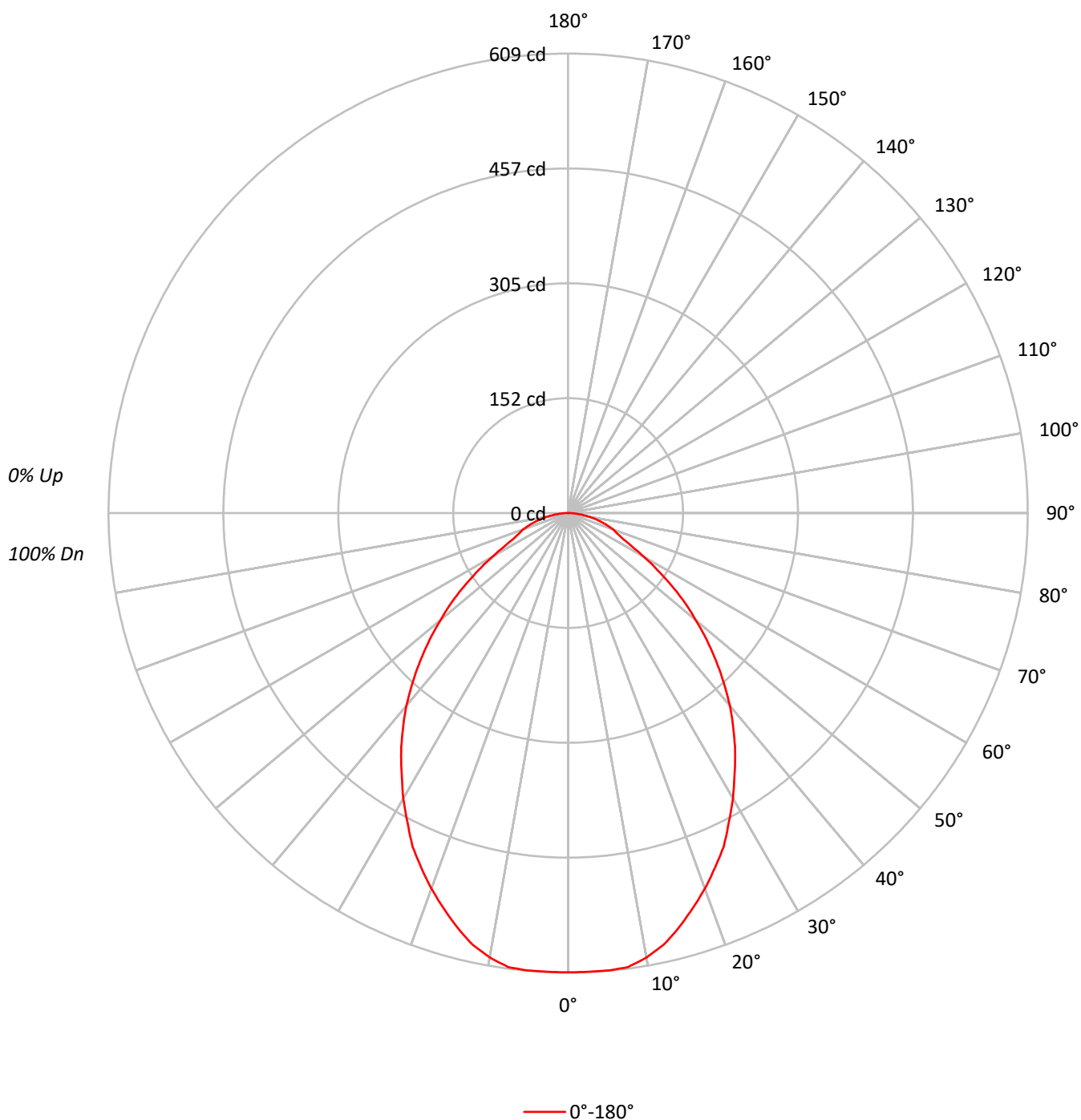
Lumens per Lamp: N/A
Luminaire Lumens: 1188.6 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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				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	72	66	61	70	65	60	68	63	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	45			
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	39	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6128
5°	6151
10°	6115
15°	5924
20°	5676
25°	5417
30°	5077
35°	4743
40°	4381
45°	3946
50°	3462
55°	2925
60°	2332
65°	1880
70°	1858
75°	1774
80°	1629
85°	1421

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	4.9
10°-20°	159.6	13.4
20°-30°	223.3	18.8
30°-40°	240.7	20.3
40°-50°	213.4	18.0
50°-60°	149.4	12.6
60°-70°	82.4	6.9
70°-80°	48.1	4.0
80°-90°	13.9	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°	440.8	37.1
0°-40°	681.5	57.3
0°-60°	1044.3	87.9
0°-90°	1188.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1188.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	609	
5°	609	58
15°	568	160
25°	488	223
35°	386	241
45°	277	213
55°	167	149
65°	79	82
75°	46	48
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	608.6
2.5°	608.6
5°	608.6
7.5°	606.9
10°	598.1
12.5°	585.8
15°	568.3
17.5°	549.0
20°	529.7
22.5°	508.6
25°	487.6
27.5°	461.3
30°	436.7
32.5°	410.4
35°	385.9
37.5°	359.6
40°	333.3
42.5°	305.2
45°	277.1
47.5°	249.1
50°	221.0
52.5°	194.7
55°	166.6
57.5°	140.3
60°	115.8
62.5°	94.7
65°	78.9
67.5°	70.2
70°	63.1
72.5°	54.4
75°	45.6
77.5°	36.8
80°	28.1
82.5°	19.3
85°	12.3
87.5°	5.3
90°	0.0

(END OF REPORT)