

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: P1503995

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-18)
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-ND (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

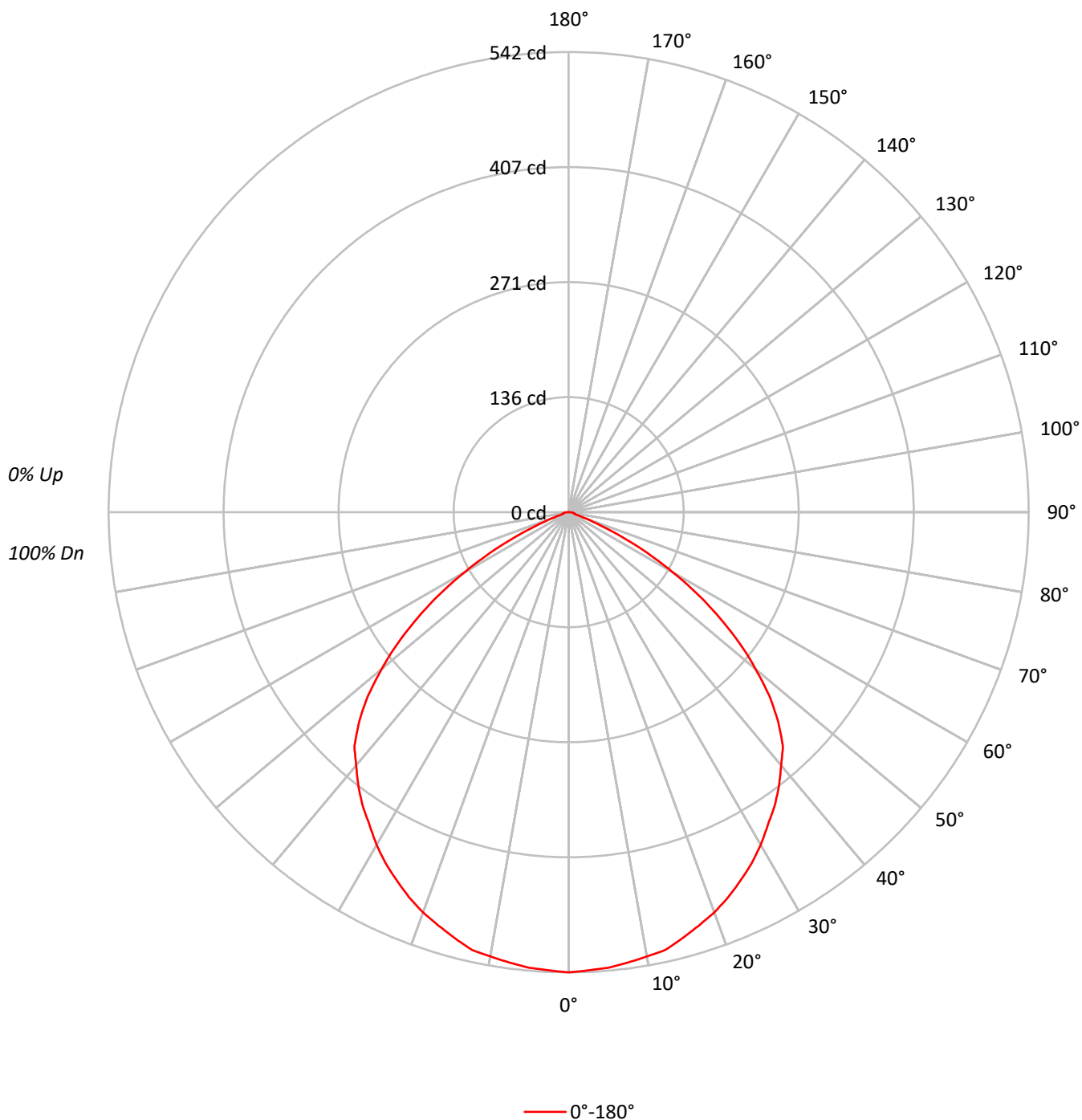
Lumens per Lamp: N/A
Luminaire Lumens: 1227.6 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67		
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	54	64	58	54	63	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40		
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36		
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5457
5°	5443
10°	5433
15°	5412
20°	5375
25°	5319
30°	5261
35°	5196
40°	5118
45°	4970
50°	4505
55°	3818
60°	2862
65°	1673
70°	515
75°	272
80°	307
85°	404

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	4.2
10°-20°	146.5	11.9
20°-30°	220.8	18.0
30°-40°	264.2	21.5
40°-50°	266.5	21.7
50°-60°	193.3	15.7
60°-70°	72.5	5.9
70°-80°	9.0	0.7
80°-90°	3.6	0.3
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°	418.4	34.1
0°-40°	682.7	55.6
0°-60°	1142.5	93.1
0°-90°	1227.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1227.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	542	
5°	538	51
15°	519	147
25°	479	221
35°	423	264
45°	349	267
55°	218	193
65°	70	73
75°	7	9
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	542.0
2.5°	540.2
5°	538.5
7.5°	535.0
10°	531.4
12.5°	527.9
15°	519.2
17.5°	510.4
20°	501.6
22.5°	491.1
25°	478.8
27.5°	466.6
30°	452.5
32.5°	436.7
35°	422.7
37.5°	406.9
40°	389.4
42.5°	373.6
45°	349.0
47.5°	321.0
50°	287.6
52.5°	254.3
55°	217.5
57.5°	180.7
60°	142.1
62.5°	105.2
65°	70.2
67.5°	40.3
70°	17.5
72.5°	8.8
75°	7.0
77.5°	7.0
80°	5.3
82.5°	5.3
85°	3.5
87.5°	1.8
90°	0.0

(END OF REPORT)