

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: P1503974

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (3500K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-20)
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-OT (3500K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

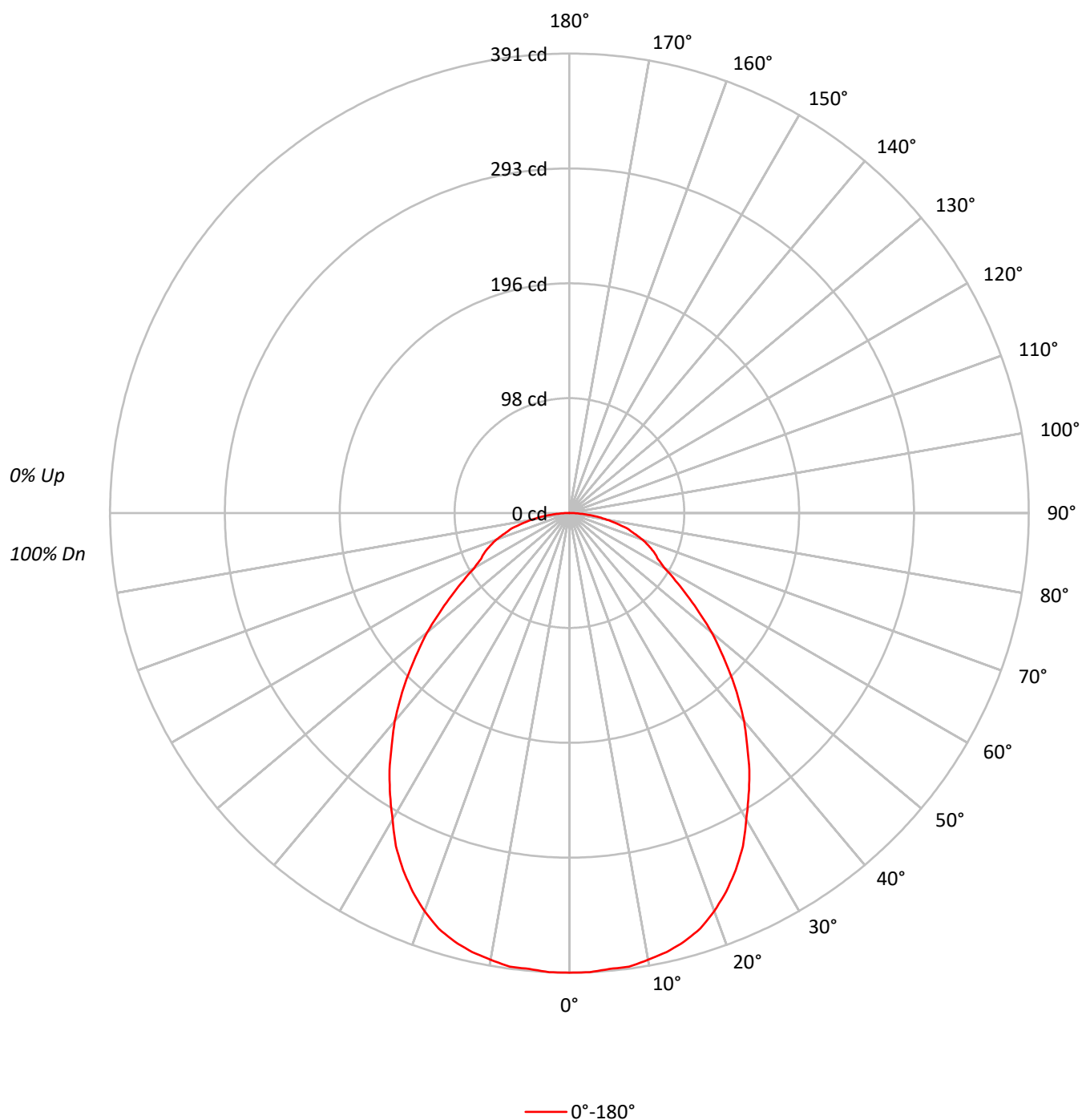
Lumens per Lamp: N/A
Luminaire Lumens: 870.9 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	98	95	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	55	49	44	43		
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	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	36	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3938
5°	3936
10°	3947
15°	3935
20°	3863
25°	3722
30°	3500
35°	3282
40°	3040
45°	2760
50°	2477
55°	2149
60°	1883
65°	1904
70°	1952
75°	1984
80°	1873
85°	1571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	4.3
10°-20°	106.2	12.2
20°-30°	153.6	17.6
30°-40°	166.5	19.1
40°-50°	149.5	17.2
50°-60°	110.4	12.7
60°-70°	78.7	9.0
70°-80°	52.5	6.0
80°-90°	16.4	1.9
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°	296.9	34.1
0°-40°	463.4	53.2
0°-60°	723.3	83.1
0°-90°	870.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	391	
5°	389	37
15°	378	106
25°	335	154
35°	267	166
45°	194	149
55°	122	110
65°	80	79
75°	51	52
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	391.1
2.5°	391.1
5°	389.4
7.5°	389.4
10°	386.0
12.5°	382.6
15°	377.5
17.5°	370.7
20°	360.5
22.5°	348.6
25°	335.0
27.5°	319.7
30°	301.0
32.5°	284.0
35°	267.0
37.5°	248.3
40°	231.3
42.5°	212.5
45°	193.8
47.5°	175.1
50°	158.1
52.5°	139.4
55°	122.4
57.5°	107.1
60°	93.5
62.5°	85.0
65°	79.9
67.5°	73.1
70°	66.3
72.5°	57.8
75°	51.0
77.5°	40.8
80°	32.3
82.5°	23.8
85°	13.6
87.5°	6.8
90°	0.0

(END OF REPORT)