

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: P1503971

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (3000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503971
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 (3000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

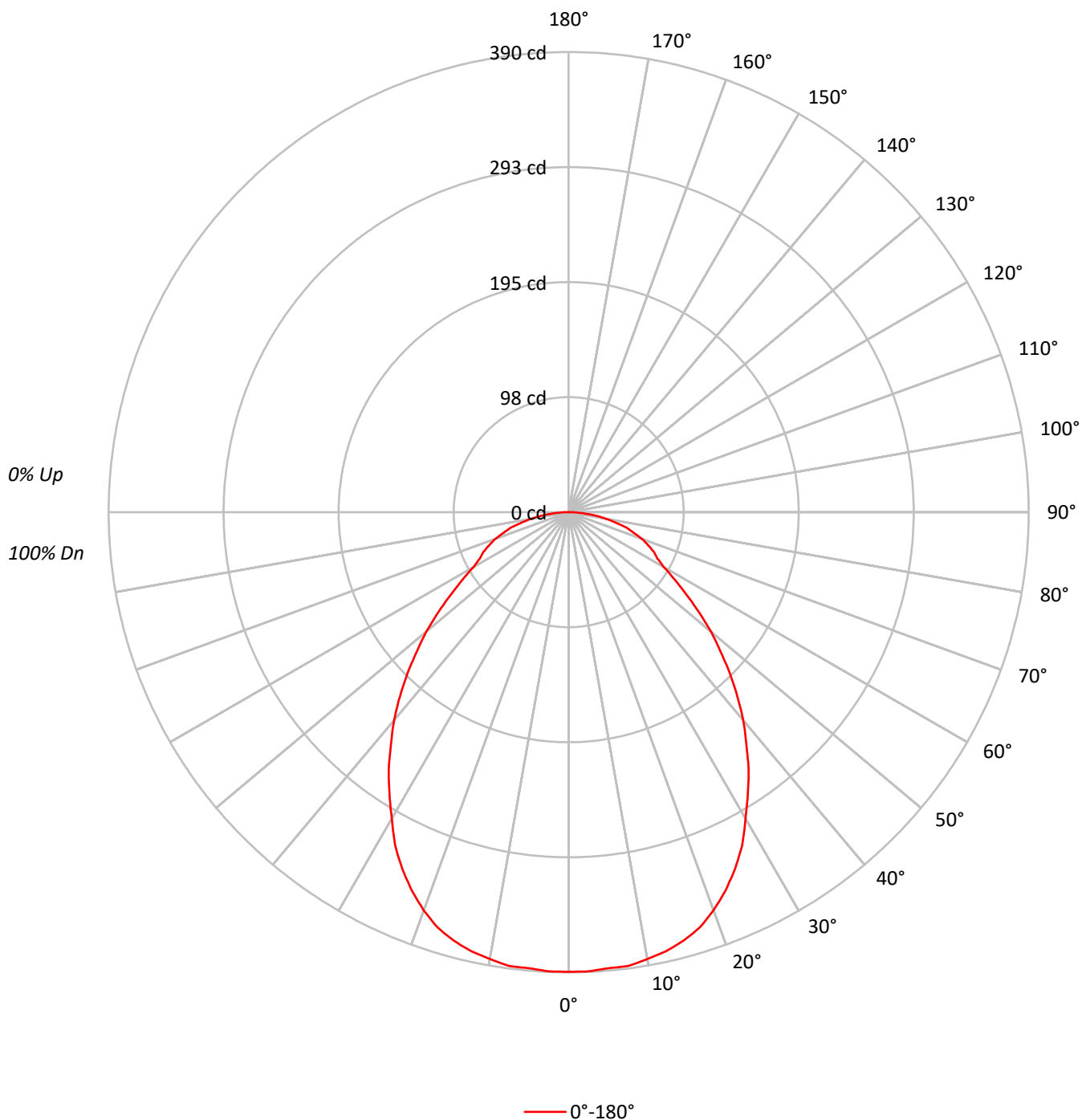
Lumens per Lamp: N/A
Luminaire Lumens: 867.5 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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					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	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°	3922
5°	3921
10°	3931
15°	3919
20°	3848
25°	3707
30°	3486
35°	3268
40°	3027
45°	2750
50°	2467
55°	2140
60°	1877
65°	1896
70°	1946
75°	1976
80°	1867
85°	1560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	4.3
10°-20°	105.8	12.2
20°-30°	153.0	17.6
30°-40°	165.8	19.1
40°-50°	148.9	17.2
50°-60°	110.0	12.7
60°-70°	78.4	9.0
70°-80°	52.3	6.0
80°-90°	16.3	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°	295.8	34.1
0°-40°	461.5	53.2
0°-60°	720.4	83.0
0°-90°	867.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	390	
5°	388	37
15°	376	106
25°	334	153
35°	266	166
45°	193	149
55°	122	110
65°	80	78
75°	51	52
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	389.5
2.5°	389.5
5°	387.9
7.5°	387.9
10°	384.5
12.5°	381.1
15°	376.0
17.5°	369.2
20°	359.1
22.5°	347.2
25°	333.7
27.5°	318.4
30°	299.8
32.5°	282.8
35°	265.9
37.5°	247.3
40°	230.3
42.5°	211.7
45°	193.1
47.5°	174.4
50°	157.5
52.5°	138.9
55°	121.9
57.5°	106.7
60°	93.2
62.5°	84.7
65°	79.6
67.5°	72.8
70°	66.1
72.5°	57.6
75°	50.8
77.5°	40.6
80°	32.2
82.5°	23.7
85°	13.5
87.5°	6.8
90°	0.0

(END OF REPORT)