

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: P1503970

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (2700K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503970
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 (2700K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

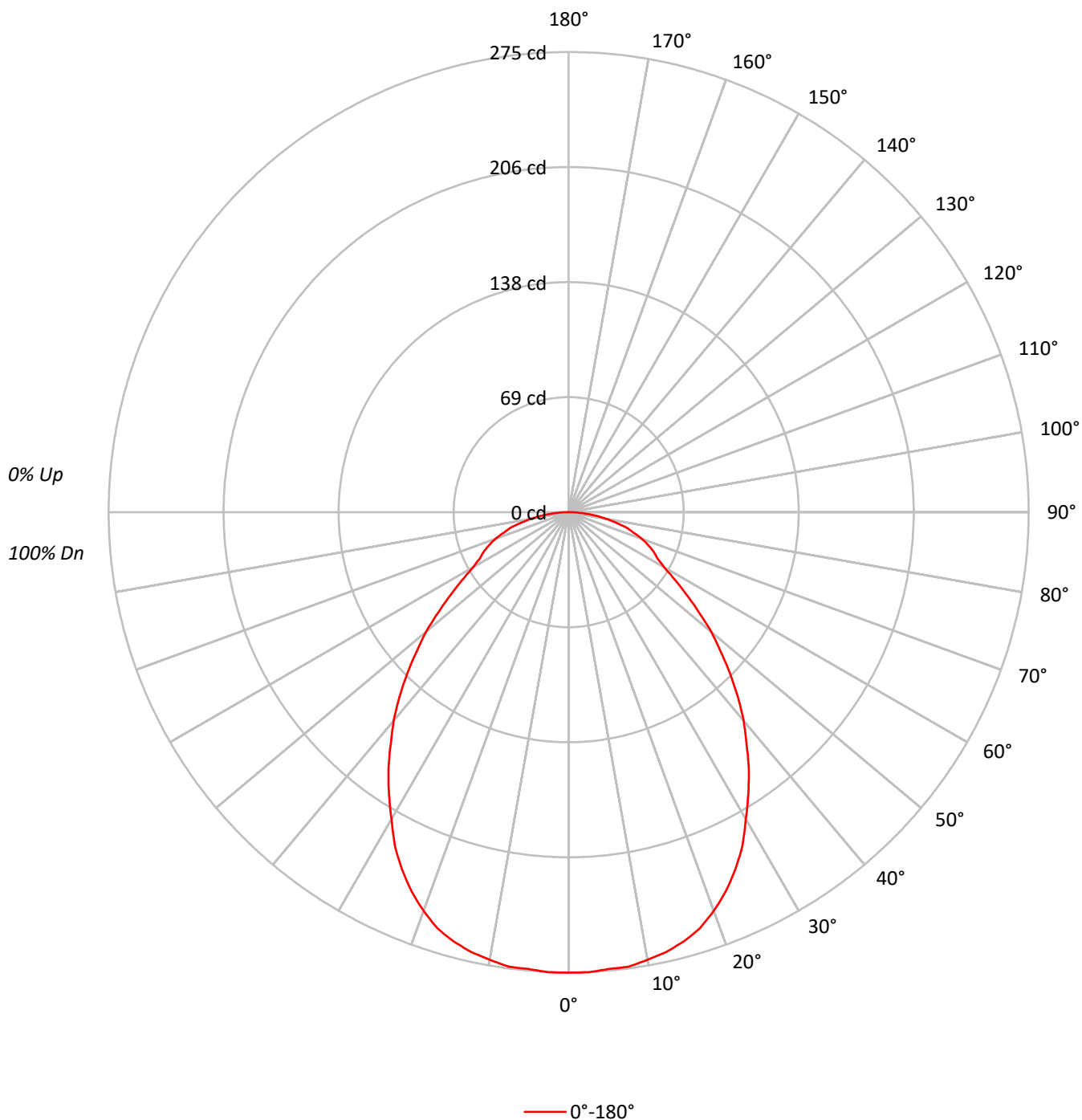
Lumens per Lamp: N/A
Luminaire Lumens: 612.8 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.6
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	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°	2771
5°	2769
10°	2777
15°	2769
20°	2717
25°	2619
30°	2463
35°	2308
40°	2139
45°	1942
50°	1743
55°	1511
60°	1325
65°	1339
70°	1375
75°	1397
80°	1316
85°	1109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1942 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	4.3
10°-20°	74.7	12.2
20°-30°	108.1	17.6
30°-40°	117.1	19.1
40°-50°	105.2	17.2
50°-60°	77.7	12.7
60°-70°	55.4	9.0
70°-80°	36.9	6.0
80°-90°	11.5	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°	208.9	34.1
0°-40°	326.0	53.2
0°-60°	508.9	83.0
0°-90°	612.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	275	
5°	274	26
15°	266	75
25°	236	108
35°	188	117
45°	136	105
55°	86	78
65°	56	55
75°	36	37
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	275.2
2.5°	275.2
5°	274.0
7.5°	274.0
10°	271.6
12.5°	269.2
15°	265.6
17.5°	260.8
20°	253.6
22.5°	245.3
25°	235.7
27.5°	224.9
30°	211.8
32.5°	199.8
35°	187.8
37.5°	174.7
40°	162.7
42.5°	149.6
45°	136.4
47.5°	123.2
50°	111.3
52.5°	98.1
55°	86.1
57.5°	75.4
60°	65.8
62.5°	59.8
65°	56.2
67.5°	51.4
70°	46.7
72.5°	40.7
75°	35.9
77.5°	28.7
80°	22.7
82.5°	16.7
85°	9.6
87.5°	4.8
90°	0.0

(END OF REPORT)