

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: P1503982

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503982
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 (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

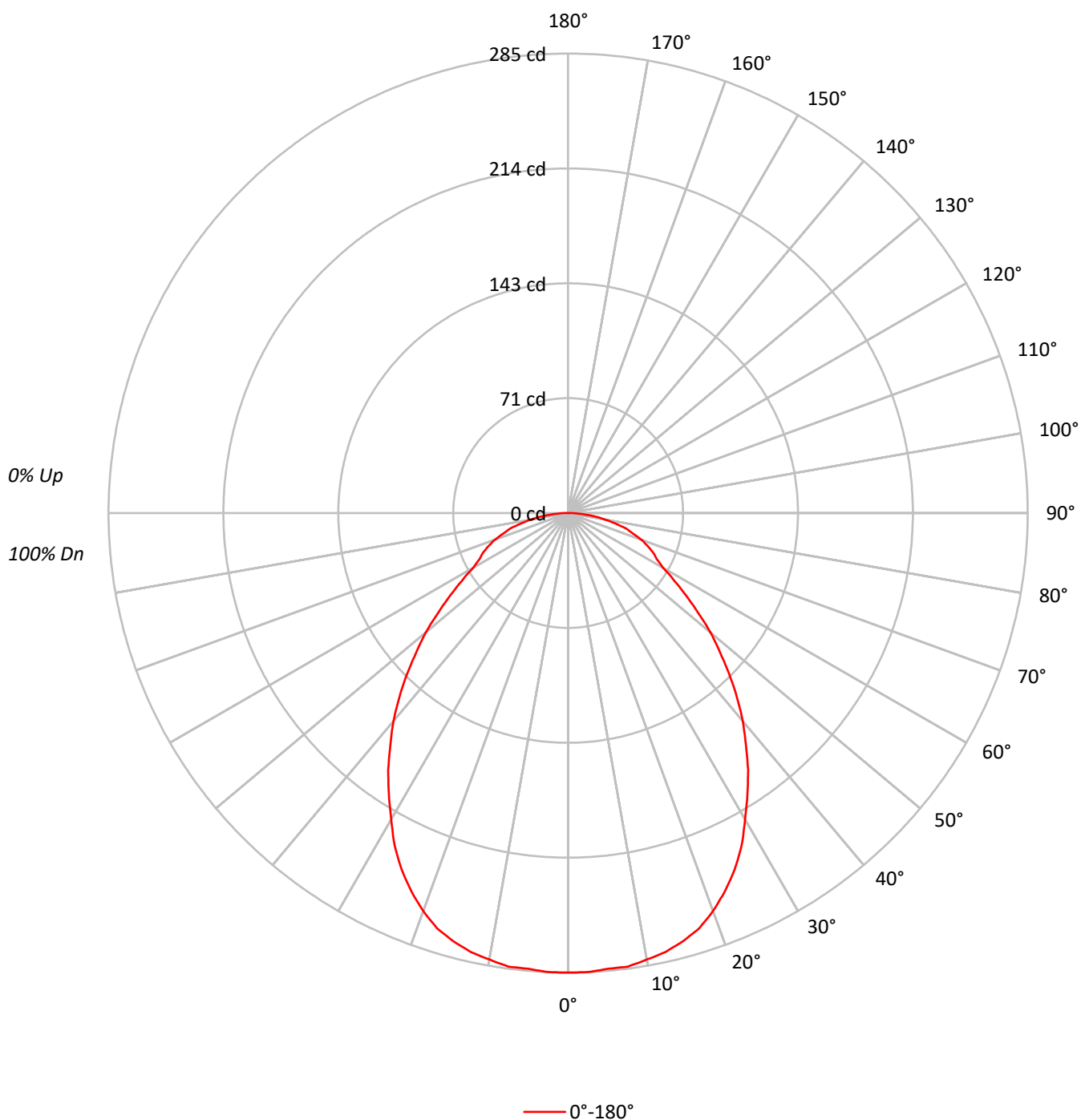
Lumens per Lamp: N/A
Luminaire Lumens: 634.5 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.4
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°	2870
5°	2867
10°	2875
15°	2867
20°	2815
25°	2712
30°	2550
35°	2391
40°	2215
45°	2011
50°	1805
55°	1566
60°	1371
65°	1387
70°	1422
75°	1447
80°	1363
85°	1144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2011 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	4.3
10°-20°	77.4	12.2
20°-30°	111.9	17.6
30°-40°	121.3	19.1
40°-50°	108.9	17.2
50°-60°	80.5	12.7
60°-70°	57.4	9.0
70°-80°	38.2	6.0
80°-90°	12.0	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°	216.3	34.1
0°-40°	337.6	53.2
0°-60°	527.0	83.1
0°-90°	634.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	285	
5°	284	27
15°	275	77
25°	244	112
35°	194	121
45°	141	109
55°	89	80
65°	58	57
75°	37	38
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	285.0
2.5°	285.0
5°	283.7
7.5°	283.7
10°	281.2
12.5°	278.8
15°	275.0
17.5°	270.1
20°	262.7
22.5°	254.0
25°	244.1
27.5°	232.9
30°	219.3
32.5°	206.9
35°	194.5
37.5°	180.9
40°	168.5
42.5°	154.9
45°	141.2
47.5°	127.6
50°	115.2
52.5°	101.6
55°	89.2
57.5°	78.1
60°	68.1
62.5°	61.9
65°	58.2
67.5°	53.3
70°	48.3
72.5°	42.1
75°	37.2
77.5°	29.7
80°	23.5
82.5°	17.3
85°	9.9
87.5°	5.0
90°	0.0

(END OF REPORT)