

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: P1503979

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (4000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503979
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 (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

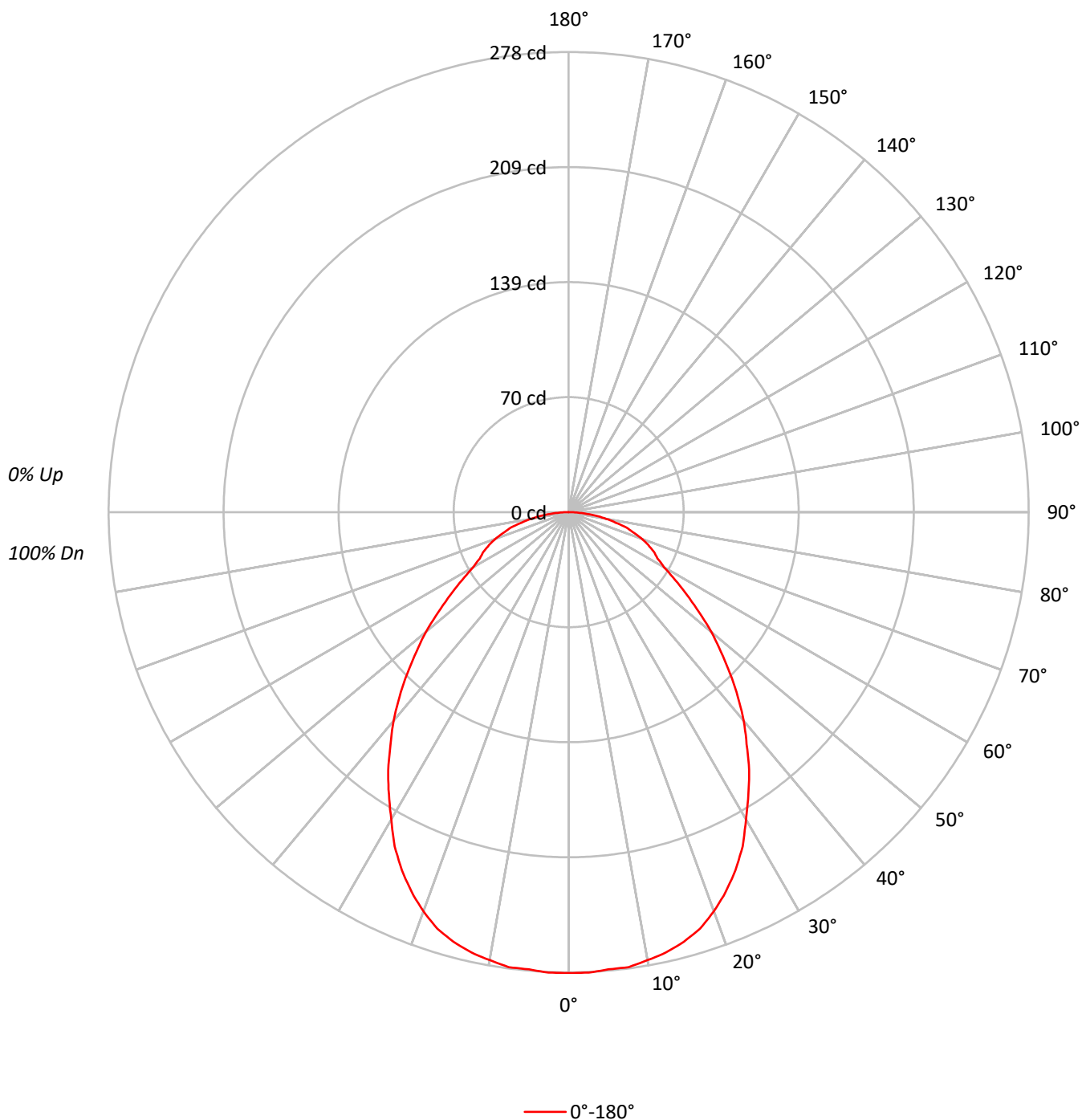
Lumens per Lamp: N/A
Luminaire Lumens: 620.1 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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	54	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°	2803
5°	2802
10°	2810
15°	2801
20°	2750
25°	2650
30°	2492
35°	2337
40°	2164
45°	1965
50°	1764
55°	1531
60°	1341
65°	1356
70°	1390
75°	1412
80°	1334
85°	1121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1965 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	4.3
10°-20°	75.6	12.2
20°-30°	109.3	17.6
30°-40°	118.5	19.1
40°-50°	106.4	17.2
50°-60°	78.6	12.7
60°-70°	56.1	9.0
70°-80°	37.4	6.0
80°-90°	11.7	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°	211.4	34.1
0°-40°	329.9	53.2
0°-60°	515.0	83.0
0°-90°	620.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	278	
5°	277	26
15°	269	76
25°	238	109
35°	190	118
45°	138	106
55°	87	79
65°	57	56
75°	36	37
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	278.4
2.5°	278.4
5°	277.2
7.5°	277.2
10°	274.8
12.5°	272.4
15°	268.7
17.5°	263.9
20°	256.6
22.5°	248.2
25°	238.5
27.5°	227.6
30°	214.3
32.5°	202.2
35°	190.1
37.5°	176.7
40°	164.6
42.5°	151.3
45°	138.0
47.5°	124.7
50°	112.6
52.5°	99.3
55°	87.2
57.5°	76.3
60°	66.6
62.5°	60.5
65°	56.9
67.5°	52.1
70°	47.2
72.5°	41.2
75°	36.3
77.5°	29.1
80°	23.0
82.5°	16.9
85°	9.7
87.5°	4.8
90°	0.0

(END OF REPORT)