

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: P1504105

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (2700K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504105
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-D2W-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 - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

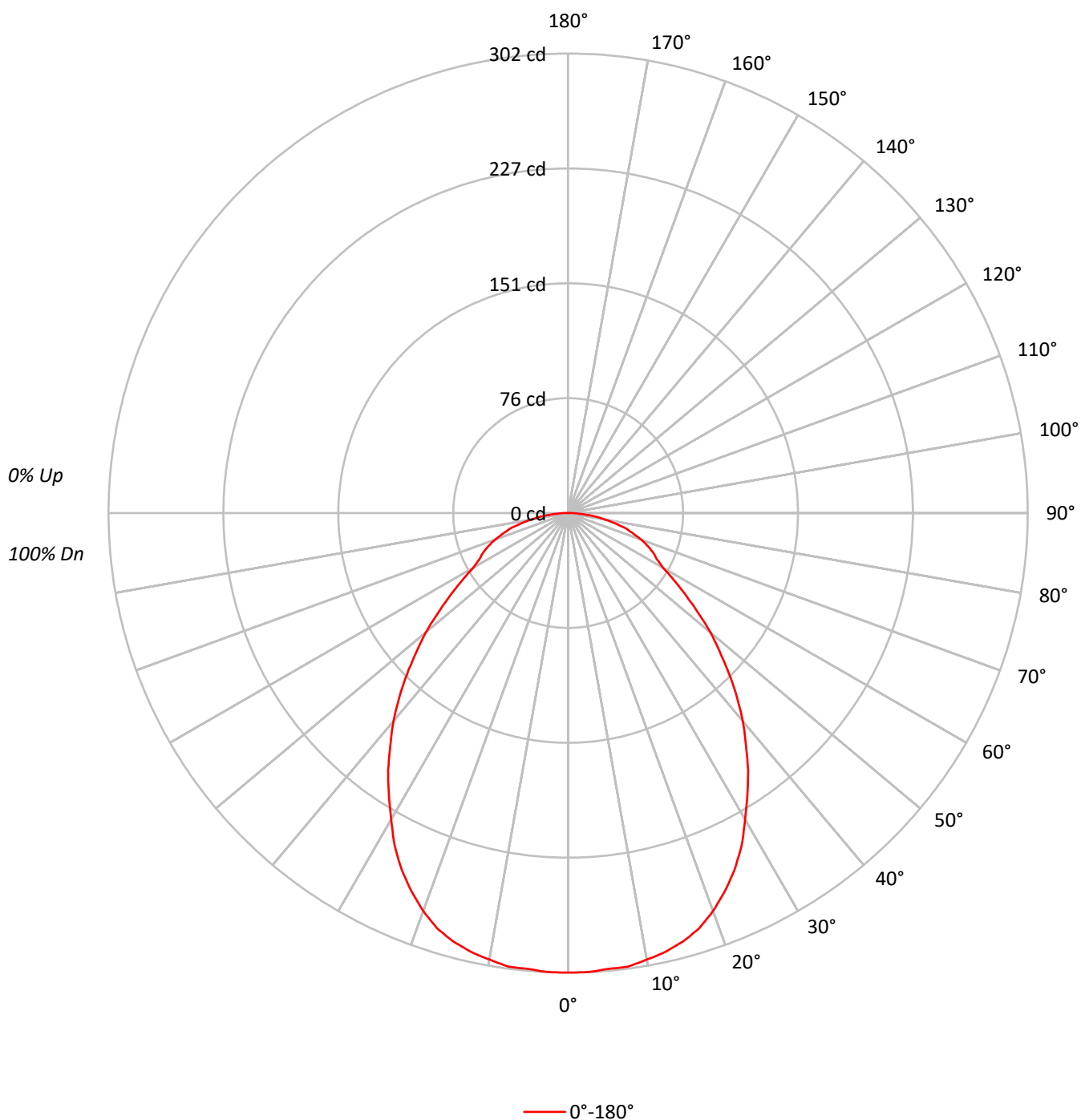
Lumens per Lamp: N/A
Luminaire Lumens: 672.5 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.5
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	50	30	10	50	30	10		
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°	3041
5°	3039
10°	3047
15°	3039
20°	2982
25°	2873
30°	2702
35°	2533
40°	2348
45°	2132
50°	1913
55°	1659
60°	1454
65°	1470
70°	1507
75°	1533
80°	1444
85°	1213

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2132 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	4.3
10°-20°	82.0	12.2
20°-30°	118.6	17.6
30°-40°	128.5	19.1
40°-50°	115.4	17.2
50°-60°	85.3	12.7
60°-70°	60.8	9.0
70°-80°	40.5	6.0
80°-90°	12.7	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°	229.2	34.1
0°-40°	357.8	53.2
0°-60°	558.5	83.0
0°-90°	672.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	672.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	302	
5°	301	29
15°	292	82
25°	259	119
35°	206	129
45°	150	115
55°	94	85
65°	62	61
75°	39	41
85°	10	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	302.0
2.5°	302.0
5°	300.7
7.5°	300.7
10°	298.0
12.5°	295.4
15°	291.5
17.5°	286.2
20°	278.3
22.5°	269.1
25°	258.6
27.5°	246.8
30°	232.4
32.5°	219.3
35°	206.1
37.5°	191.7
40°	178.6
42.5°	164.1
45°	149.7
47.5°	135.2
50°	122.1
52.5°	107.7
55°	94.5
57.5°	82.7
60°	72.2
62.5°	65.6
65°	61.7
67.5°	56.5
70°	51.2
72.5°	44.6
75°	39.4
77.5°	31.5
80°	24.9
82.5°	18.4
85°	10.5
87.5°	5.3
90°	0.0

(END OF REPORT)