

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: P1504165

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-16)
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-WHTE-XX-ND (2700K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

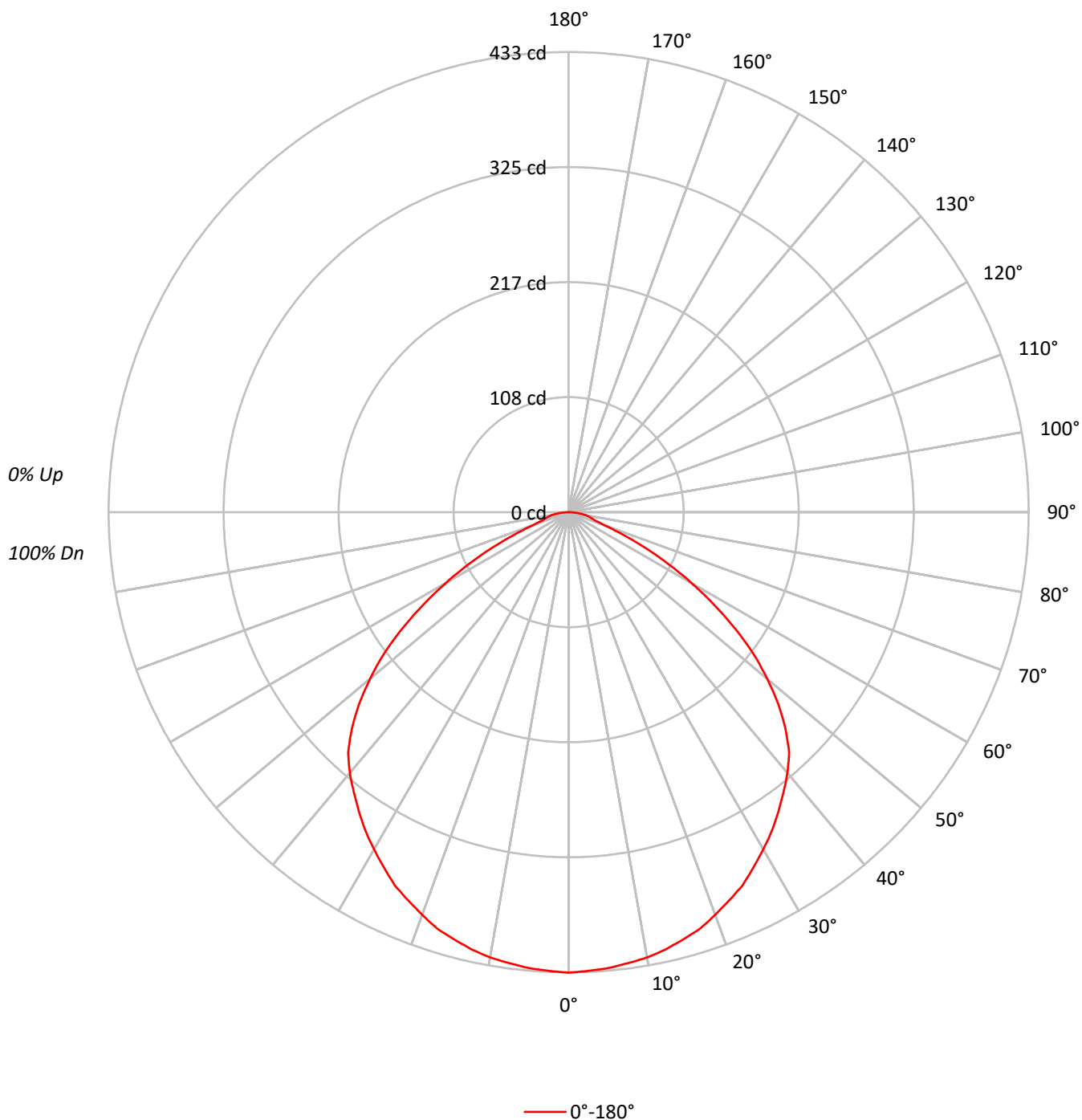
Lumens per Lamp: N/A
Luminaire Lumens: 1056.5 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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					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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75			
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65			
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56			
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49			
6	73	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45	43			
7	68	55	47	41	66	55	47	41	53	46	41	52	45	40	50	45	40	38			
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34			
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31			
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4363
5°	4352
10°	4349
15°	4339
20°	4319
25°	4303
30°	4259
35°	4228
40°	4210
45°	4112
50°	3825
55°	3365
60°	2696
65°	1908
70°	1042
75°	868
80°	916
85°	913

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4112 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	3.9
10°-20°	117.5	11.1
20°-30°	178.2	16.9
30°-40°	215.4	20.4
40°-50°	221.1	20.9
50°-60°	170.1	16.1
60°-70°	80.3	7.6
70°-80°	24.8	2.3
80°-90°	8.2	0.8
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°	336.6	31.9
0°-40°	552.0	52.2
0°-60°	943.3	89.3
0°-90°	1056.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	433	
5°	431	41
15°	416	118
25°	387	178
35°	344	215
45°	289	221
55°	192	170
65°	80	80
75°	22	25
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	433.3
2.5°	431.9
5°	430.6
7.5°	428.0
10°	425.4
12.5°	421.4
15°	416.2
17.5°	410.9
20°	403.1
22.5°	395.2
25°	387.3
27.5°	376.8
30°	366.3
32.5°	355.8
35°	344.0
37.5°	332.2
40°	320.3
42.5°	307.2
45°	288.8
47.5°	267.8
50°	244.2
52.5°	219.3
55°	191.7
57.5°	162.8
60°	133.9
62.5°	106.3
65°	80.1
67.5°	55.1
70°	35.4
72.5°	26.3
75°	22.3
77.5°	19.7
80°	15.8
82.5°	11.8
85°	7.9
87.5°	2.6
90°	0.0

(END OF REPORT)