

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: P1504192

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (5000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-22)
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-OC (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

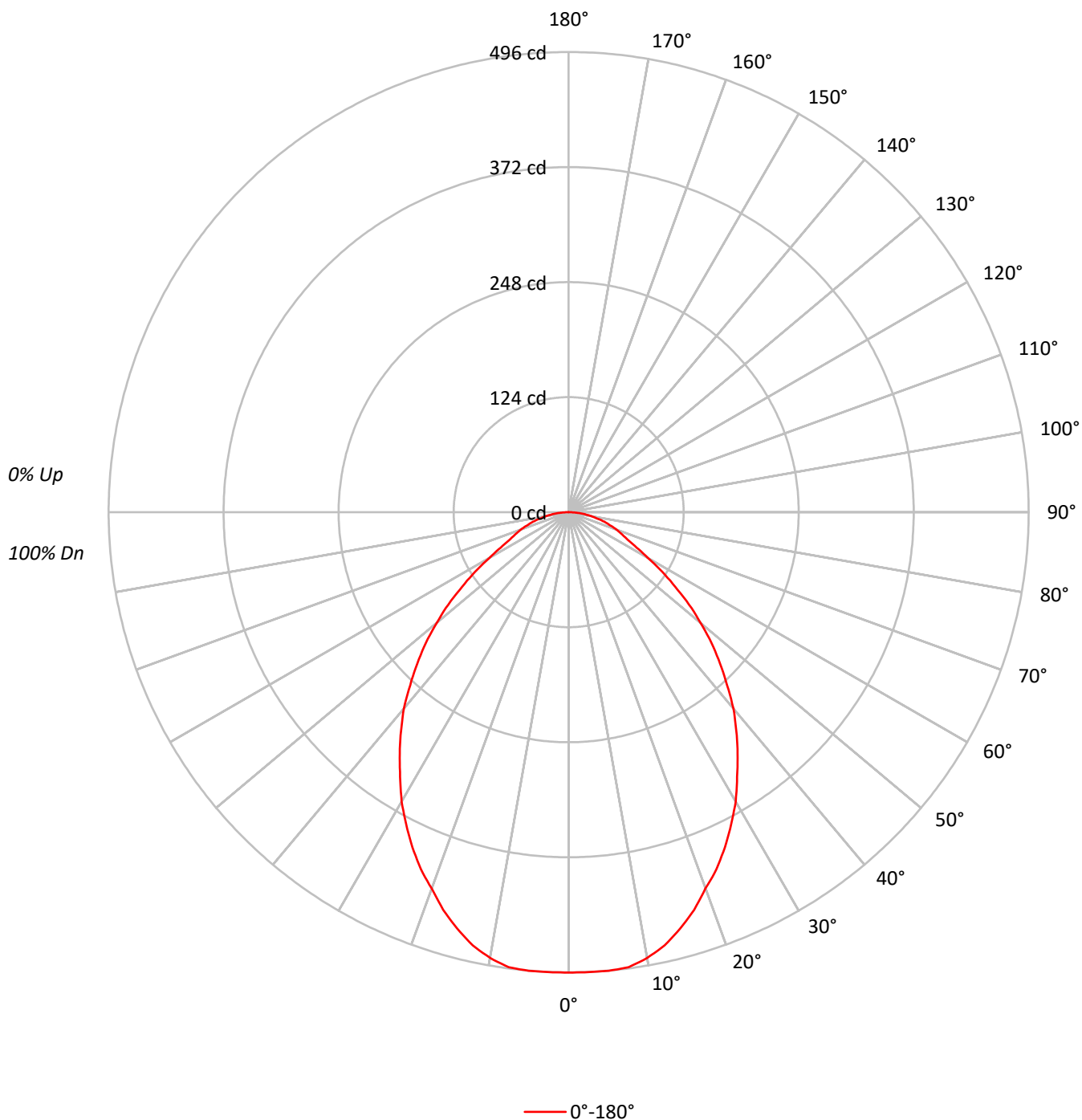
Lumens per Lamp: N/A
Luminaire Lumens: 989.7 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87		
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75		
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65		
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57		
5	80	69	60	54	78	67	60	54	65	59	53	64	58	53	62	57	52	50		
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40		
8	65	52	45	39	64	52	44	39	50	44	39	49	43	39	48	43	38	37		
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33		
10	57	45	38	33	56	44	37	32	43	37	32	43	37	32	42	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4996
5°	5015
10°	4988
15°	4843
20°	4625
25°	4428
30°	4187
35°	3903
40°	3632
45°	3288
50°	2907
55°	2461
60°	1994
65°	1670
70°	1619
75°	1552
80°	1432
85°	1271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	4.8
10°-20°	130.4	13.2
20°-30°	183.0	18.5
30°-40°	198.5	20.1
40°-50°	177.9	18.0
50°-60°	126.1	12.7
60°-70°	72.1	7.3
70°-80°	41.7	4.2
80°-90°	12.7	1.3
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°	360.6	36.4
0°-40°	559.2	56.5
0°-60°	863.2	87.2
0°-90°	989.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	496	
5°	496	47
15°	465	130
25°	399	183
35°	318	199
45°	231	178
55°	140	126
65°	70	72
75°	40	42
85°	11	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	496.2
2.5°	496.2
5°	496.2
7.5°	494.8
10°	487.9
12.5°	478.3
15°	464.6
17.5°	449.5
20°	431.6
22.5°	416.5
25°	398.6
27.5°	379.4
30°	360.1
32.5°	338.1
35°	317.5
37.5°	296.9
40°	276.3
42.5°	252.9
45°	230.9
47.5°	208.9
50°	185.6
52.5°	163.6
55°	140.2
57.5°	119.6
60°	99.0
62.5°	82.5
65°	70.1
67.5°	61.9
70°	55.0
72.5°	46.7
75°	39.9
77.5°	31.6
80°	24.7
82.5°	17.9
85°	11.0
87.5°	5.5
90°	0.0

(END OF REPORT)