

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: P1504207

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-19)
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-WHITE-XX-OT (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, 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

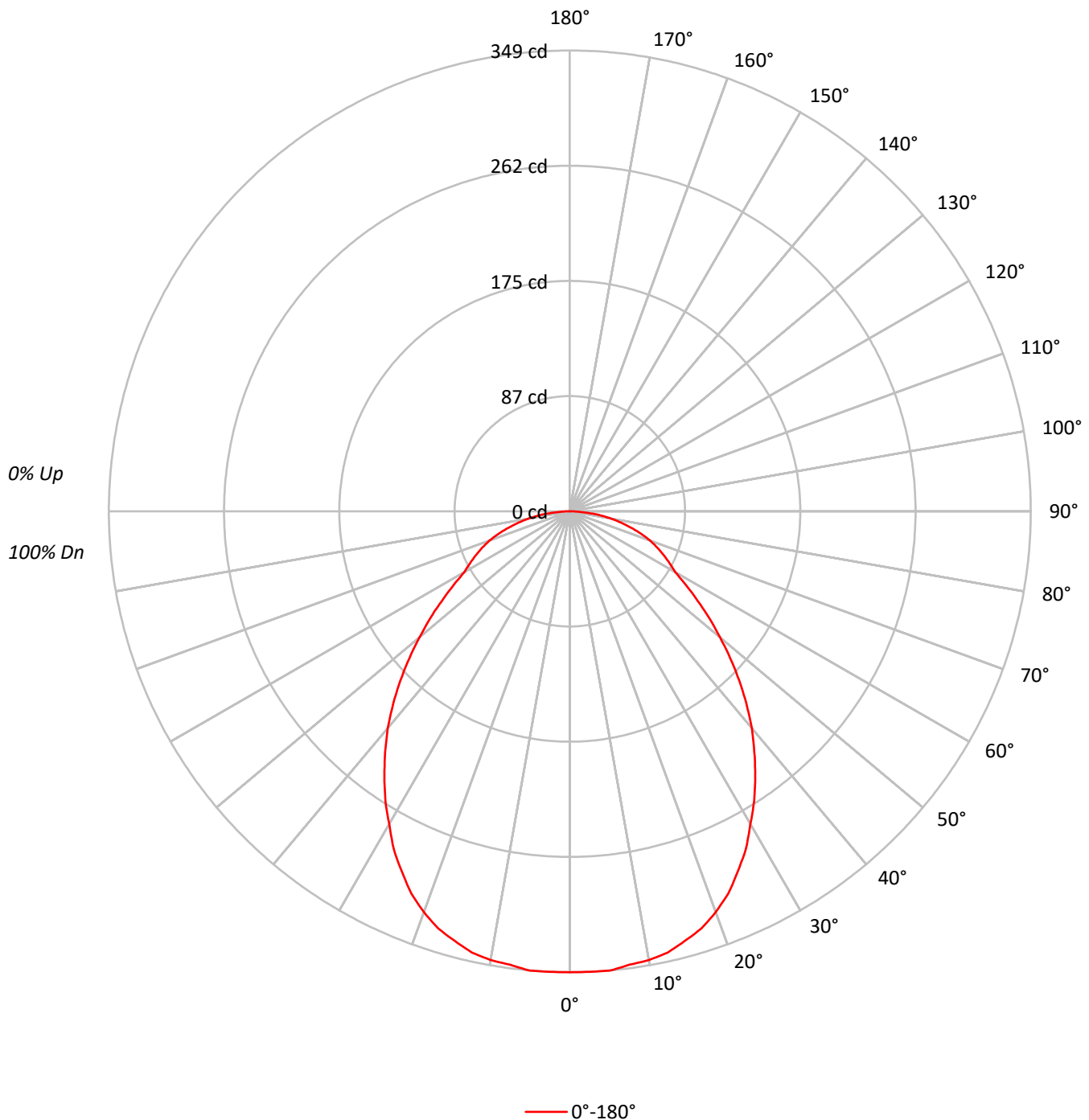
Lumens per Lamp: N/A
Luminaire Lumens: 809.7 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
R																					
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
R	1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
	2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72		
	3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
	4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
	5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47		
	6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
	7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37		
	8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34		
	9	59	46	38	33	58	45	38	33	44	37	33	43	37	32	42	36	32	30		
	10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3515
5°	3529
10°	3527
15°	3511
20°	3461
25°	3344
30°	3180
35°	3008
40°	2818
45°	2583
50°	2325
55°	2075
60°	1855
65°	1866
70°	1902
75°	1871
80°	1832
85°	1583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	4.1
10°-20°	95.0	11.7
20°-30°	138.3	17.1
30°-40°	152.9	18.9
40°-50°	139.8	17.3
50°-60°	106.3	13.1
60°-70°	77.6	9.6
70°-80°	50.8	6.3
80°-90°	15.9	2.0
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°	266.4	32.9
0°-40°	419.3	51.8
0°-60°	665.4	82.2
0°-90°	809.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	809.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	349	
5°	349	33
15°	337	95
25°	301	138
35°	245	153
45°	181	140
55°	118	106
65°	78	78
75°	48	51
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	349.1
2.5°	349.1
5°	349.1
7.5°	346.4
10°	345.0
12.5°	342.3
15°	336.8
17.5°	331.3
20°	323.0
22.5°	313.4
25°	301.0
27.5°	288.6
30°	273.5
32.5°	259.8
35°	244.7
37.5°	229.5
40°	214.4
42.5°	197.9
45°	181.4
47.5°	164.9
50°	148.4
52.5°	133.3
55°	118.2
57.5°	104.5
60°	92.1
62.5°	85.2
65°	78.3
67.5°	71.5
70°	64.6
72.5°	56.4
75°	48.1
77.5°	39.9
80°	31.6
82.5°	23.4
85°	13.7
87.5°	5.5
90°	0.0

(END OF REPORT)