

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: P1504189

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (4000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504189
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 (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

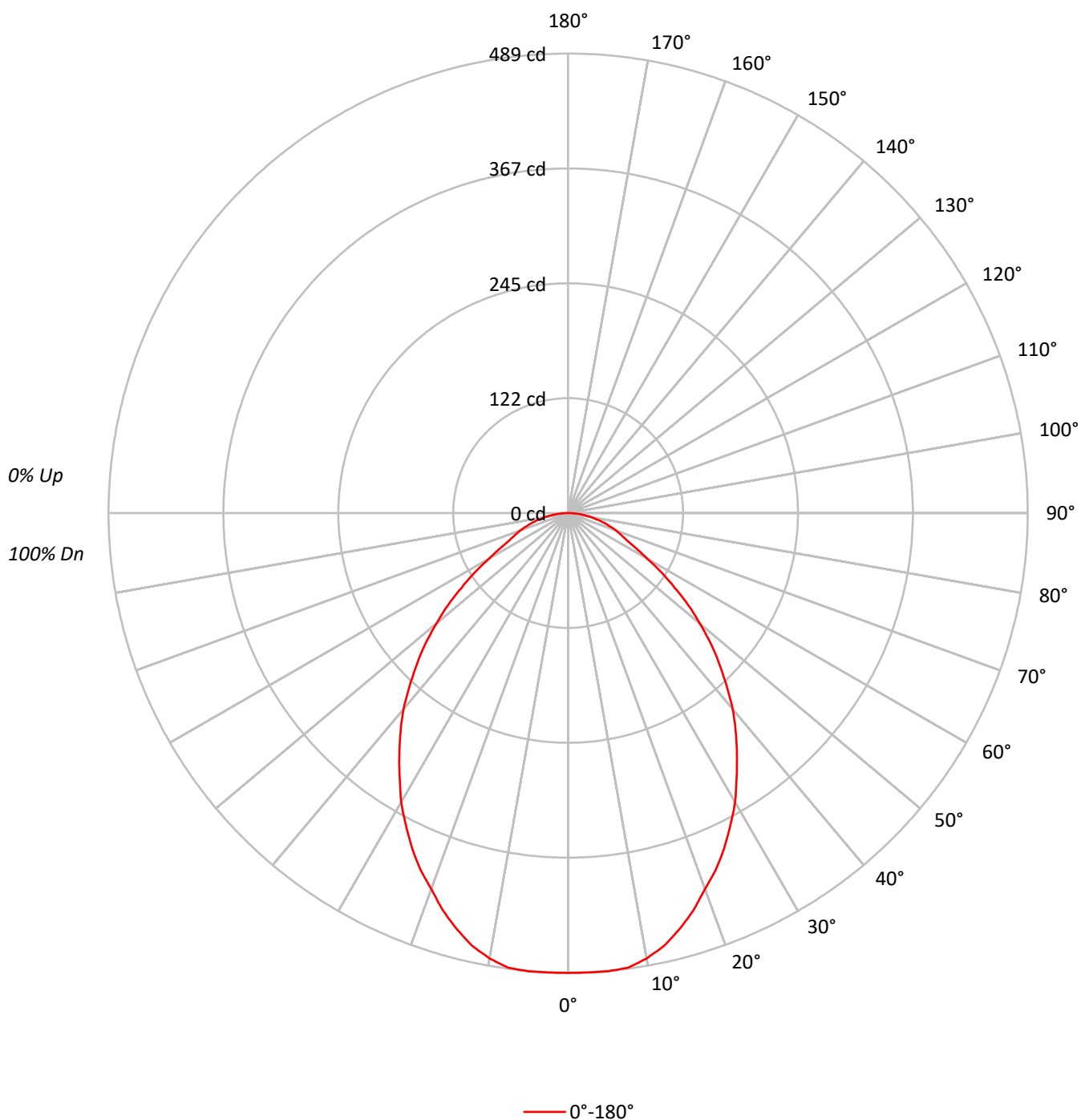
Lumens per Lamp: N/A
Luminaire Lumens: 975.9 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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°	4928
5°	4947
10°	4920
15°	4776
20°	4560
25°	4367
30°	4130
35°	3849
40°	3582
45°	3242
50°	2867
55°	2428
60°	1965
65°	1646
70°	1596
75°	1529
80°	1415
85°	1248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3242 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	4.8
10°-20°	128.6	13.2
20°-30°	180.5	18.5
30°-40°	195.8	20.1
40°-50°	175.4	18.0
50°-60°	124.4	12.7
60°-70°	71.0	7.3
70°-80°	41.1	4.2
80°-90°	12.5	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°	355.6	36.4
0°-40°	551.5	56.5
0°-60°	851.2	87.2
0°-90°	975.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	975.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	489	
5°	489	46
15°	458	129
25°	393	181
35°	313	196
45°	228	175
55°	138	124
65°	69	71
75°	39	41
85°	11	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	489.4
2.5°	489.4
5°	489.4
7.5°	488.0
10°	481.2
12.5°	471.7
15°	458.2
17.5°	443.3
20°	425.6
22.5°	410.7
25°	393.1
27.5°	374.1
30°	355.2
32.5°	333.5
35°	313.1
37.5°	292.8
40°	272.5
42.5°	249.4
45°	227.7
47.5°	206.0
50°	183.0
52.5°	161.3
55°	138.3
57.5°	117.9
60°	97.6
62.5°	81.3
65°	69.1
67.5°	61.0
70°	54.2
72.5°	46.1
75°	39.3
77.5°	31.2
80°	24.4
82.5°	17.6
85°	10.8
87.5°	5.4
90°	0.0

(END OF REPORT)