

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: P1504195

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504195
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 (2700K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, 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

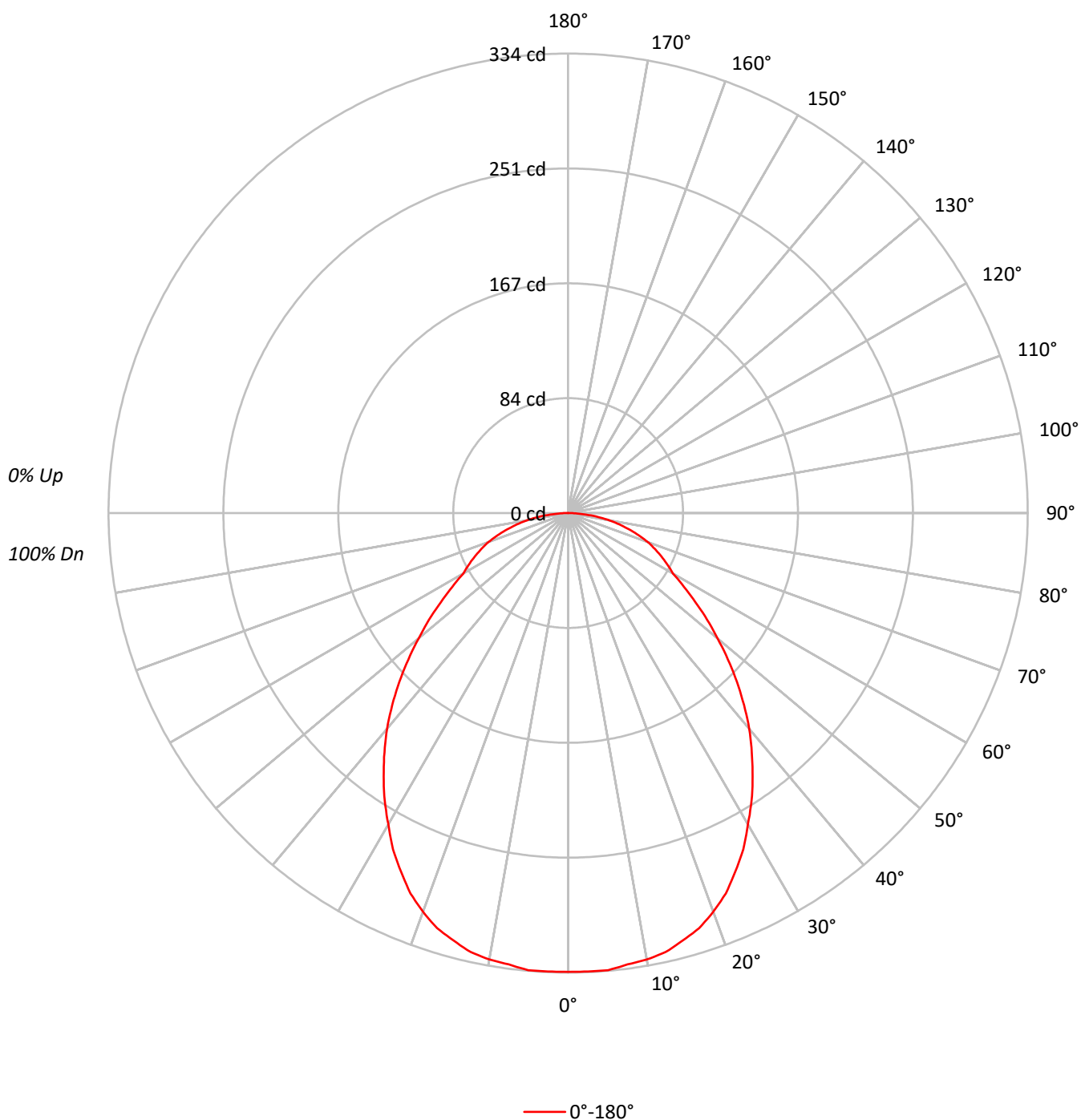
Lumens per Lamp: N/A
Luminaire Lumens: 773.4 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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					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	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°	3358
5°	3371
10°	3369
15°	3353
20°	3306
25°	3194
30°	3038
35°	2873
40°	2692
45°	2468
50°	2221
55°	1982
60°	1772
65°	1782
70°	1816
75°	1790
80°	1751
85°	1513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2468 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	4.1
10°-20°	90.7	11.7
20°-30°	132.1	17.1
30°-40°	146.0	18.9
40°-50°	133.5	17.3
50°-60°	101.6	13.1
60°-70°	74.1	9.6
70°-80°	48.5	6.3
80°-90°	15.2	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°	254.5	32.9
0°-40°	400.5	51.8
0°-60°	635.6	82.2
0°-90°	773.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	334	
5°	334	32
15°	322	91
25°	288	132
35°	234	146
45°	173	134
55°	113	102
65°	75	74
75°	46	49
85°	13	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	333.5
2.5°	333.5
5°	333.5
7.5°	330.9
10°	329.5
12.5°	326.9
15°	321.7
17.5°	316.4
20°	308.5
22.5°	299.3
25°	287.5
27.5°	275.7
30°	261.3
32.5°	248.1
35°	233.7
37.5°	219.3
40°	204.8
42.5°	189.1
45°	173.3
47.5°	157.5
50°	141.8
52.5°	127.4
55°	112.9
57.5°	99.8
60°	88.0
62.5°	81.4
65°	74.8
67.5°	68.3
70°	61.7
72.5°	53.8
75°	46.0
77.5°	38.1
80°	30.2
82.5°	22.3
85°	13.1
87.5°	5.3
90°	0.0

(END OF REPORT)