

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: P1504039

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (4000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504039
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-010-XXXX-WHTE-XX-ND (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

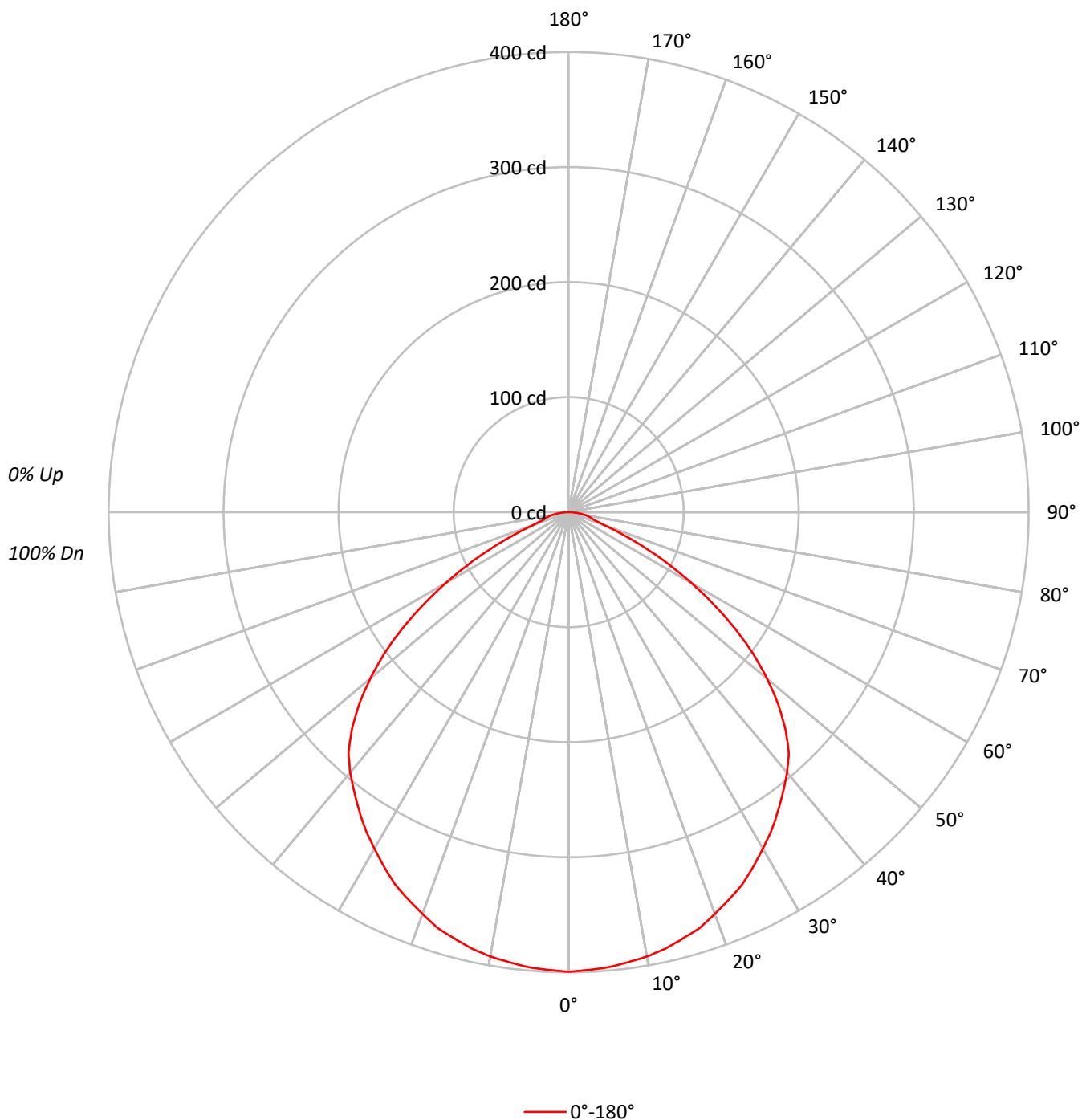
Lumens per Lamp: N/A
Luminaire Lumens: 974.2 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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	50	30	10	50	30	10		
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°	4023
5°	4014
10°	4010
15°	4000
20°	3982
25°	3967
30°	3926
35°	3899
40°	3883
45°	3792
50°	3528
55°	3102
60°	2487
65°	1758
70°	963
75°	801
80°	841
85°	843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3792 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	3.9
10°-20°	108.4	11.1
20°-30°	164.3	16.9
30°-40°	198.6	20.4
40°-50°	203.9	20.9
50°-60°	156.9	16.1
60°-70°	74.1	7.6
70°-80°	22.8	2.3
80°-90°	7.6	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°	310.4	31.9
0°-40°	509.0	52.2
0°-60°	869.7	89.3
0°-90°	974.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	400	
5°	397	38
15°	384	108
25°	357	164
35°	317	199
45°	266	204
55°	177	157
65°	74	74
75°	21	23
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	399.5
2.5°	398.3
5°	397.1
7.5°	394.6
10°	392.2
12.5°	388.6
15°	383.7
17.5°	378.9
20°	371.6
22.5°	364.4
25°	357.1
27.5°	347.4
30°	337.7
32.5°	328.1
35°	317.2
37.5°	306.3
40°	295.4
42.5°	283.3
45°	266.3
47.5°	247.0
50°	225.2
52.5°	202.2
55°	176.7
57.5°	150.1
60°	123.5
62.5°	98.1
65°	73.8
67.5°	50.8
70°	32.7
72.5°	24.2
75°	20.6
77.5°	18.2
80°	14.5
82.5°	10.9
85°	7.3
87.5°	2.4
90°	0.0

(END OF REPORT)