

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: P1504176

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504176
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-D2W-XXXX-WHTE-XX-ND (5000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

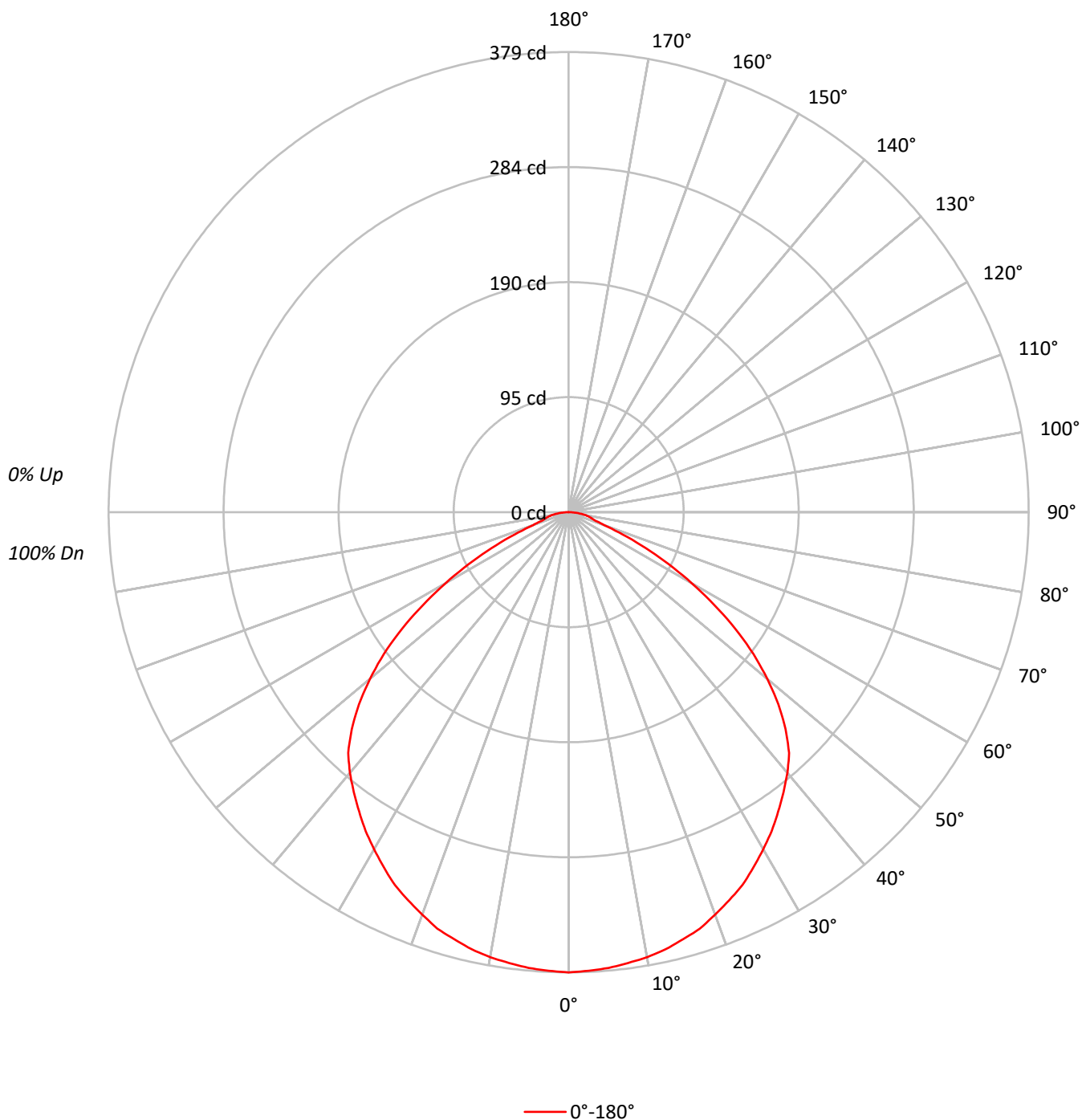
Lumens per Lamp: N/A
Luminaire Lumens: 924.6 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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	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°	3817
5°	3808
10°	3805
15°	3796
20°	3779
25°	3765
30°	3726
35°	3700
40°	3684
45°	3600
50°	3348
55°	2944
60°	2360
65°	1670
70°	913
75°	759
80°	800
85°	797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	3.9
10°-20°	102.8	11.1
20°-30°	155.9	16.9
30°-40°	188.5	20.4
40°-50°	193.5	20.9
50°-60°	148.9	16.1
60°-70°	70.3	7.6
70°-80°	21.7	2.3
80°-90°	7.2	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°	294.5	31.9
0°-40°	483.0	52.2
0°-60°	825.4	89.3
0°-90°	924.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	379	
5°	377	36
15°	364	103
25°	339	156
35°	301	188
45°	253	193
55°	168	149
65°	70	70
75°	20	22
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	379.1
2.5°	378.0
5°	376.8
7.5°	374.5
10°	372.2
12.5°	368.8
15°	364.2
17.5°	359.6
20°	352.7
22.5°	345.8
25°	338.9
27.5°	329.7
30°	320.5
32.5°	311.3
35°	301.0
37.5°	290.7
40°	280.3
42.5°	268.8
45°	252.8
47.5°	234.4
50°	213.7
52.5°	191.9
55°	167.7
57.5°	142.5
60°	117.2
62.5°	93.1
65°	70.1
67.5°	48.3
70°	31.0
72.5°	23.0
75°	19.5
77.5°	17.2
80°	13.8
82.5°	10.3
85°	6.9
87.5°	2.3
90°	0.0

(END OF REPORT)