

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: P1504175

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504175
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-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

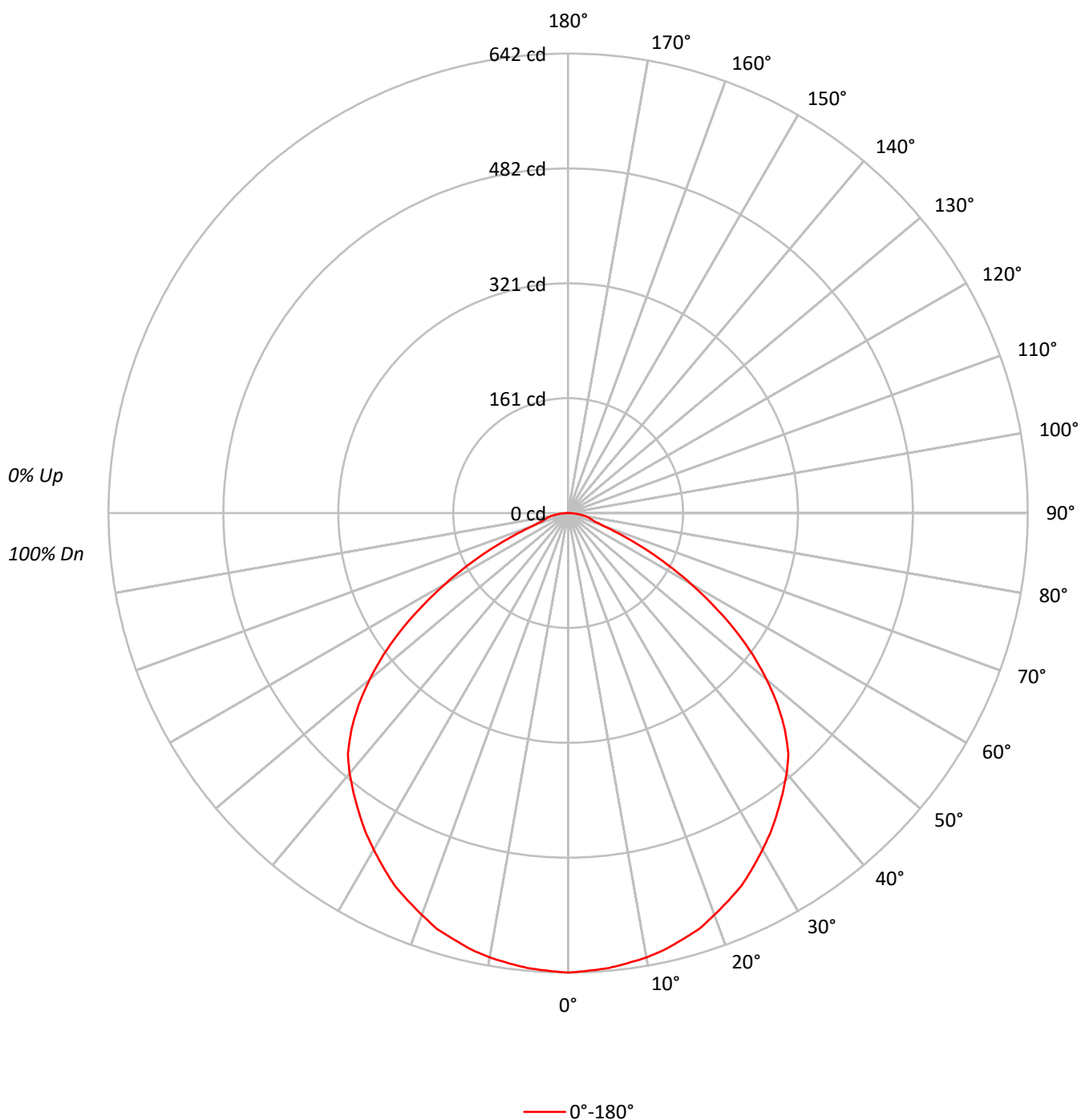
Lumens per Lamp: N/A
Luminaire Lumens: 1566.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.9
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°	6465
5°	6452
10°	6446
15°	6430
20°	6401
25°	6377
30°	6312
35°	6266
40°	6241
45°	6096
50°	5669
55°	4987
60°	3997
65°	2828
70°	1546
75°	1288
80°	1357
85°	1352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	3.9
10°-20°	174.2	11.1
20°-30°	264.1	16.9
30°-40°	319.3	20.4
40°-50°	327.7	20.9
50°-60°	252.2	16.1
60°-70°	119.0	7.6
70°-80°	36.7	2.3
80°-90°	12.2	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°	498.9	31.9
0°-40°	818.2	52.2
0°-60°	1398.0	89.3
0°-90°	1566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	642	
5°	638	61
15°	617	174
25°	574	264
35°	510	319
45°	428	328
55°	284	252
65°	119	119
75°	33	37
85°	12	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	642.1
2.5°	640.2
5°	638.3
7.5°	634.4
10°	630.5
12.5°	624.6
15°	616.8
17.5°	609.1
20°	597.4
22.5°	585.7
25°	574.0
27.5°	558.5
30°	542.9
32.5°	527.3
35°	509.8
37.5°	492.3
40°	474.8
42.5°	455.3
45°	428.1
47.5°	397.0
50°	361.9
52.5°	325.0
55°	284.1
57.5°	241.3
60°	198.5
62.5°	157.6
65°	118.7
67.5°	81.7
70°	52.5
72.5°	38.9
75°	33.1
77.5°	29.2
80°	23.4
82.5°	17.5
85°	11.7
87.5°	3.9
90°	0.0

(END OF REPORT)