

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: P1504127

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (4000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-18)
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-BRSS-XX-ND (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

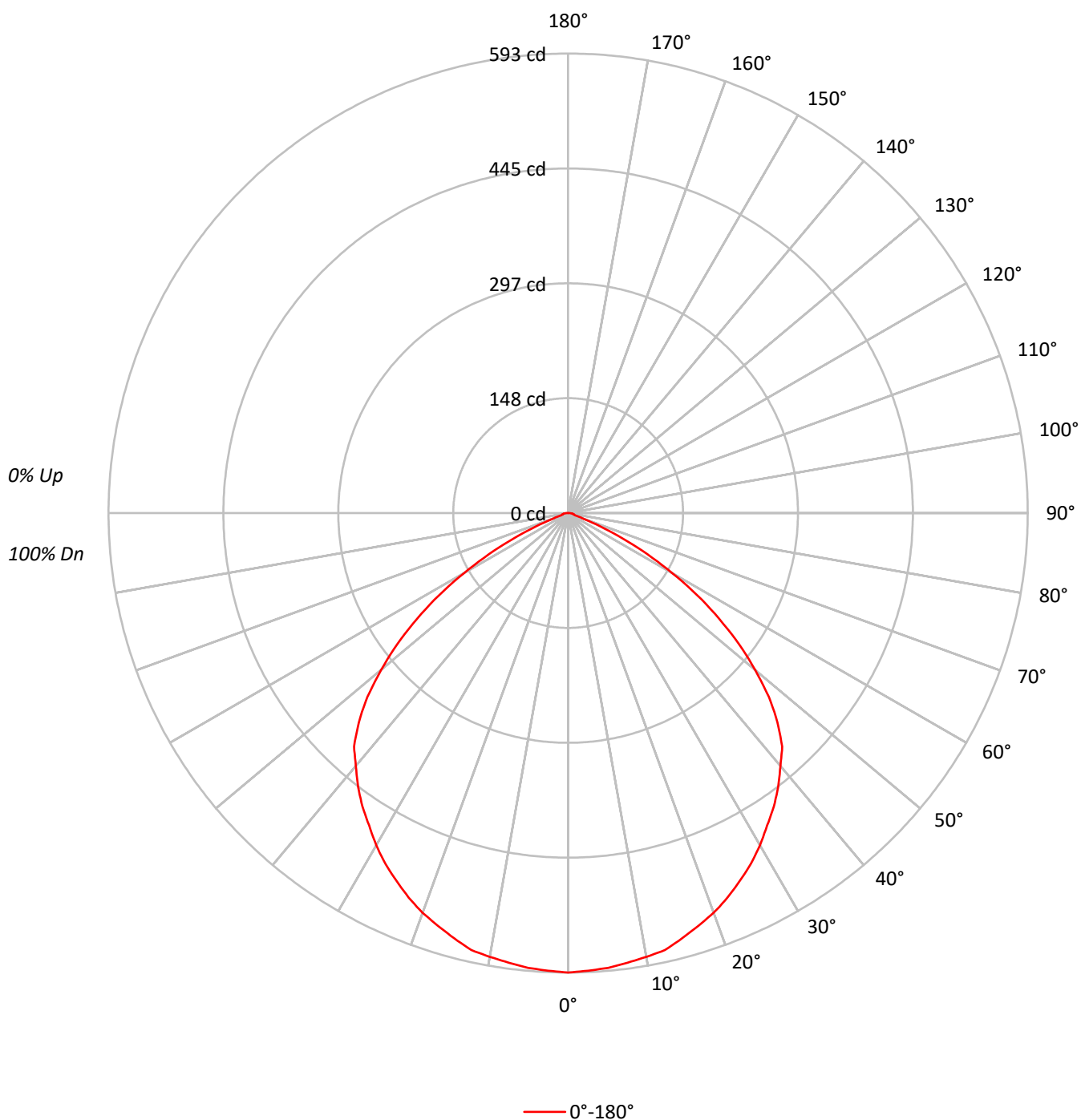
Lumens per Lamp: N/A
Luminaire Lumens: 1343.2 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67		
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	54	64	58	54	63	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40		
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36		
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5971
5°	5955
10°	5945
15°	5922
20°	5882
25°	5820
30°	5756
35°	5685
40°	5599
45°	5438
50°	4930
55°	4178
60°	3129
65°	1830
70°	565
75°	300
80°	336
85°	439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	4.2
10°-20°	160.3	11.9
20°-30°	241.5	18.0
30°-40°	289.1	21.5
40°-50°	291.6	21.7
50°-60°	211.5	15.7
60°-70°	79.4	5.9
70°-80°	9.9	0.7
80°-90°	3.9	0.3
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°	457.8	34.1
0°-40°	747.0	55.6
0°-60°	1250.0	93.1
0°-90°	1343.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1343.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	593	
5°	589	56
15°	568	160
25°	524	242
35°	462	289
45°	382	292
55°	238	211
65°	77	79
75°	8	10
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	593.0
2.5°	591.1
5°	589.2
7.5°	585.3
10°	581.5
12.5°	577.6
15°	568.1
17.5°	558.5
20°	548.9
22.5°	537.3
25°	523.9
27.5°	510.5
30°	495.1
32.5°	477.9
35°	462.5
37.5°	445.2
40°	426.0
42.5°	408.8
45°	381.9
47.5°	351.2
50°	314.7
52.5°	278.3
55°	238.0
57.5°	197.7
60°	155.4
62.5°	115.1
65°	76.8
67.5°	44.1
70°	19.2
72.5°	9.6
75°	7.7
77.5°	7.7
80°	5.8
82.5°	5.8
85°	3.8
87.5°	1.9
90°	0.0

(END OF REPORT)