

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: P1504130

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504130
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 (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

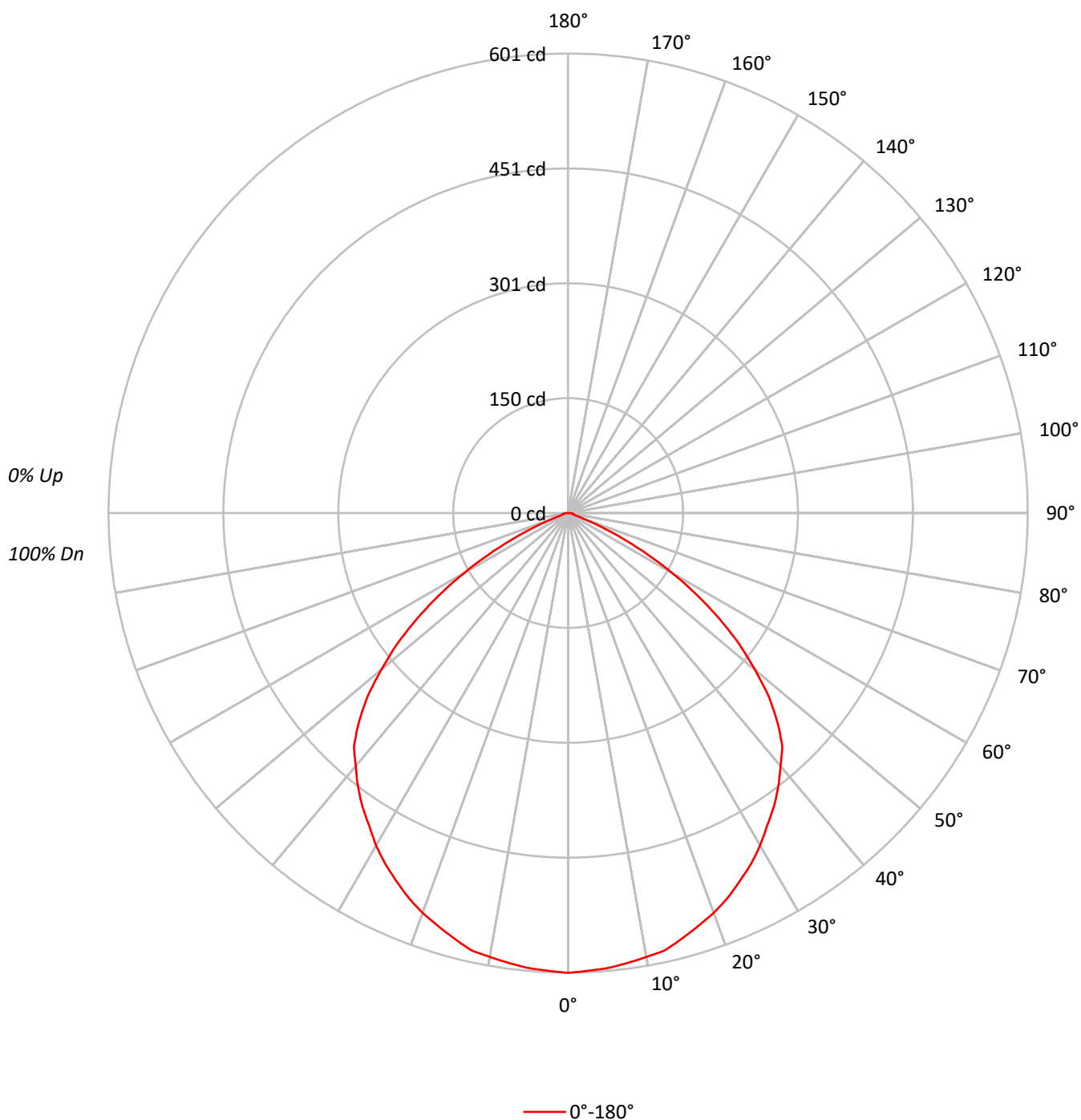
Lumens per Lamp: N/A
Luminaire Lumens: 1361.9 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	6054
5°	6038
10°	6028
15°	6004
20°	5963
25°	5902
30°	5837
35°	5765
40°	5678
45°	5514
50°	4999
55°	4236
60°	3174
65°	1854
70°	574
75°	303
80°	336
85°	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	4.2
10°-20°	162.6	11.9
20°-30°	244.9	18.0
30°-40°	293.1	21.5
40°-50°	295.7	21.7
50°-60°	214.4	15.7
60°-70°	80.5	5.9
70°-80°	10.0	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°	464.2	34.1
0°-40°	757.4	55.6
0°-60°	1267.5	93.1
0°-90°	1361.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	601	
5°	597	57
15°	576	163
25°	531	245
35°	469	293
45°	387	296
55°	241	214
65°	78	80
75°	8	10
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	601.3
2.5°	599.3
5°	597.4
7.5°	593.5
10°	589.6
12.5°	585.7
15°	576.0
17.5°	566.3
20°	556.5
22.5°	544.9
25°	531.2
27.5°	517.6
30°	502.0
32.5°	484.5
35°	469.0
37.5°	451.4
40°	432.0
42.5°	414.5
45°	387.2
47.5°	356.1
50°	319.1
52.5°	282.2
55°	241.3
57.5°	200.4
60°	157.6
62.5°	116.8
65°	77.8
67.5°	44.8
70°	19.5
72.5°	9.7
75°	7.8
77.5°	7.8
80°	5.8
82.5°	5.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)