

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: P1504124

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (3500K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504124
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 (3500K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

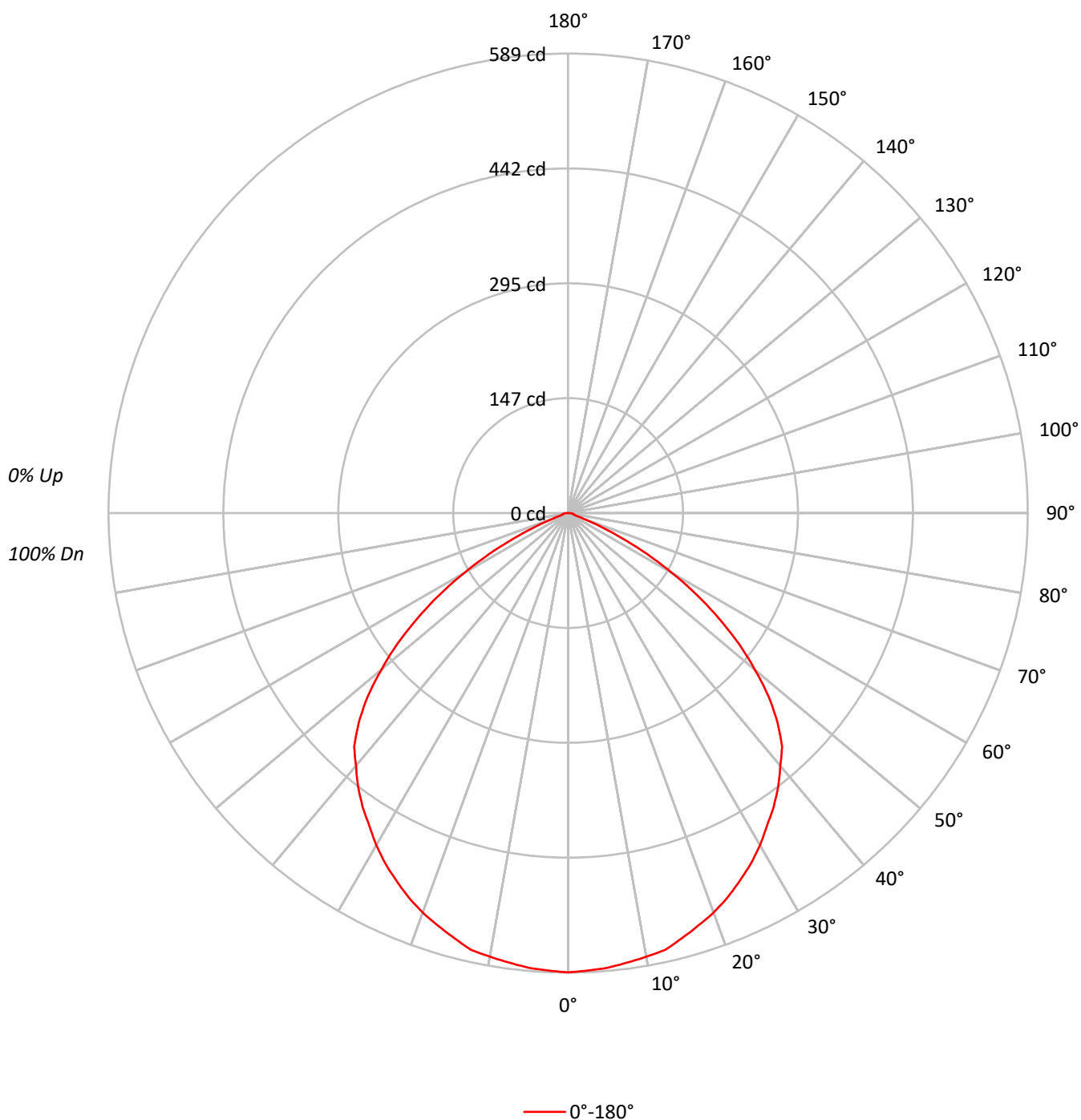
Lumens per Lamp: N/A
Luminaire Lumens: 1333.7 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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				0
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°	5929
5°	5913
10°	5904
15°	5880
20°	5840
25°	5779
30°	5717
35°	5646
40°	5560
45°	5400
50°	4895
55°	4148
60°	3109
65°	1815
70°	562
75°	296
80°	331
85°	439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5400 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	4.2
10°-20°	159.2	11.9
20°-30°	239.9	18.0
30°-40°	287.1	21.5
40°-50°	289.5	21.7
50°-60°	210.0	15.7
60°-70°	78.8	5.9
70°-80°	9.8	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°	454.6	34.1
0°-40°	741.7	55.6
0°-60°	1241.3	93.1
0°-90°	1333.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1333.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	589	
5°	585	56
15°	564	159
25°	520	240
35°	459	287
45°	379	290
55°	236	210
65°	76	79
75°	8	10
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	588.8
2.5°	586.9
5°	585.0
7.5°	581.2
10°	577.4
12.5°	573.6
15°	564.1
17.5°	554.5
20°	545.0
22.5°	533.6
25°	520.2
27.5°	506.9
30°	491.7
32.5°	474.5
35°	459.3
37.5°	442.1
40°	423.0
42.5°	405.9
45°	379.2
47.5°	348.7
50°	312.5
52.5°	276.3
55°	236.3
57.5°	196.3
60°	154.4
62.5°	114.3
65°	76.2
67.5°	43.8
70°	19.1
72.5°	9.5
75°	7.6
77.5°	7.6
80°	5.7
82.5°	5.7
85°	3.8
87.5°	1.9
90°	0.0

(END OF REPORT)