

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: P1504166

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-ND (3000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504166
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 (3000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

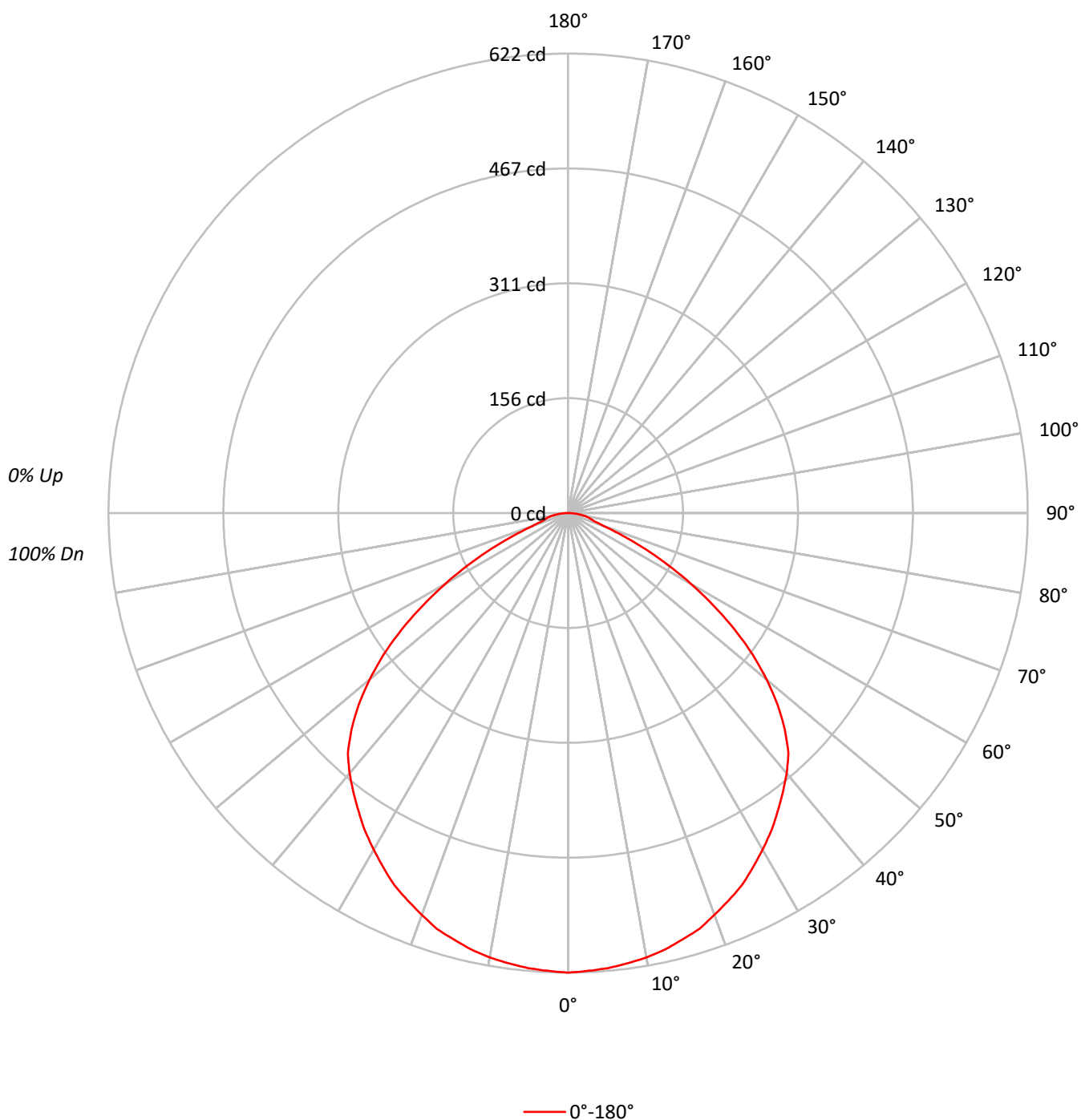
Lumens per Lamp: N/A
Luminaire Lumens: 1517.4 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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					0		
RW	70	50	30	10		70	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°	6265
5°	6250
10°	6246
15°	6231
20°	6202
25°	6179
30°	6117
35°	6072
40°	6048
45°	5907
50°	5494
55°	4833
60°	3873
65°	2740
70°	1498
75°	1249
80°	1310
85°	1305

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	3.9
10°-20°	168.8	11.1
20°-30°	255.9	16.9
30°-40°	309.4	20.4
40°-50°	317.5	20.9
50°-60°	244.3	16.1
60°-70°	115.4	7.6
70°-80°	35.6	2.3
80°-90°	11.8	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°	483.4	31.9
0°-40°	792.8	52.2
0°-60°	1354.6	89.3
0°-90°	1517.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1517.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	622	
5°	618	59
15°	598	169
25°	556	256
35°	494	309
45°	415	318
55°	275	244
65°	115	115
75°	32	36
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	622.2
2.5°	620.3
5°	618.4
7.5°	614.7
10°	610.9
12.5°	605.2
15°	597.7
17.5°	590.2
20°	578.8
22.5°	567.5
25°	556.2
27.5°	541.1
30°	526.1
32.5°	511.0
35°	494.0
37.5°	477.0
40°	460.1
42.5°	441.2
45°	414.8
47.5°	384.6
50°	350.7
52.5°	314.9
55°	275.3
57.5°	233.8
60°	192.3
62.5°	152.7
65°	115.0
67.5°	79.2
70°	50.9
72.5°	37.7
75°	32.1
77.5°	28.3
80°	22.6
82.5°	17.0
85°	11.3
87.5°	3.8
90°	0.0

(END OF REPORT)