

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: P1504205

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-19)
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-OT (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, 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

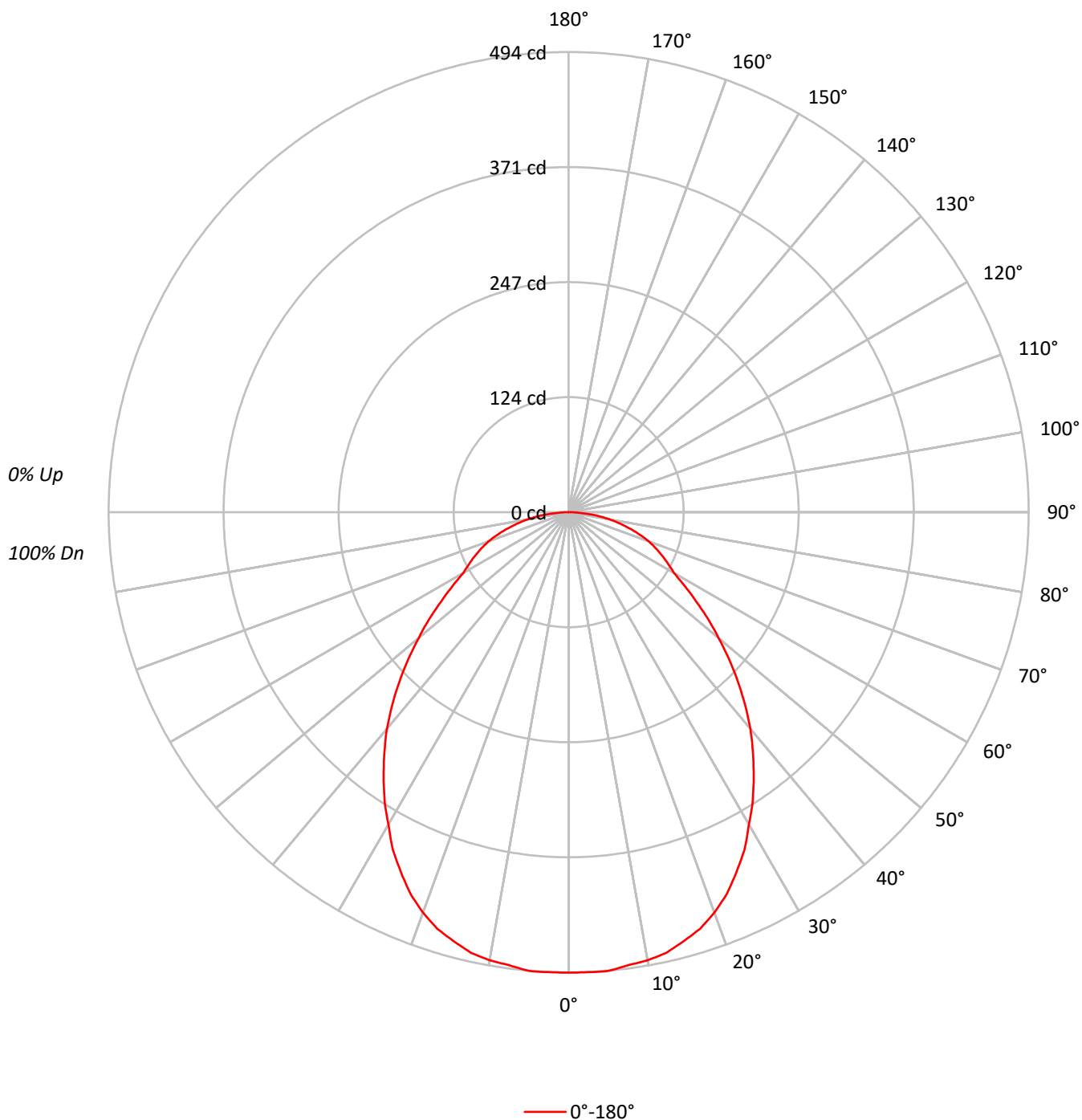
Lumens per Lamp: N/A
Luminaire Lumens: 1146.4 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37		
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34		
9	59	46	38	33	58	45	38	33	44	37	33	43	37	32	42	36	32	30		
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4977
5°	4996
10°	4994
15°	4970
20°	4900
25°	4735
30°	4502
35°	4258
40°	3991
45°	3658
50°	3293
55°	2937
60°	2626
65°	2642
70°	2694
75°	2649
80°	2598
85°	2253

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	4.1
10°-20°	134.4	11.7
20°-30°	195.9	17.1
30°-40°	216.4	18.9
40°-50°	197.9	17.3
50°-60°	150.5	13.1
60°-70°	109.8	9.6
70°-80°	71.9	6.3
80°-90°	22.5	2.0
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°	377.2	32.9
0°-40°	593.6	51.8
0°-60°	942.1	82.2
0°-90°	1146.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	494	
5°	494	47
15°	477	134
25°	426	196
35°	346	216
45°	257	198
55°	167	151
65°	111	110
75°	68	72
85°	20	23
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	494.3
2.5°	494.3
5°	494.3
7.5°	490.4
10°	488.4
12.5°	484.5
15°	476.8
17.5°	469.0
20°	457.3
22.5°	443.7
25°	426.2
27.5°	408.6
30°	387.2
32.5°	367.8
35°	346.4
37.5°	325.0
40°	303.6
42.5°	280.2
45°	256.9
47.5°	233.5
50°	210.2
52.5°	188.8
55°	167.3
57.5°	147.9
60°	130.4
62.5°	120.6
65°	110.9
67.5°	101.2
70°	91.5
72.5°	79.8
75°	68.1
77.5°	56.4
80°	44.8
82.5°	33.1
85°	19.5
87.5°	7.8
90°	0.0

(END OF REPORT)