

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: P1504197

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OT (3000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504197
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-WHITE-XX-OT (3000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

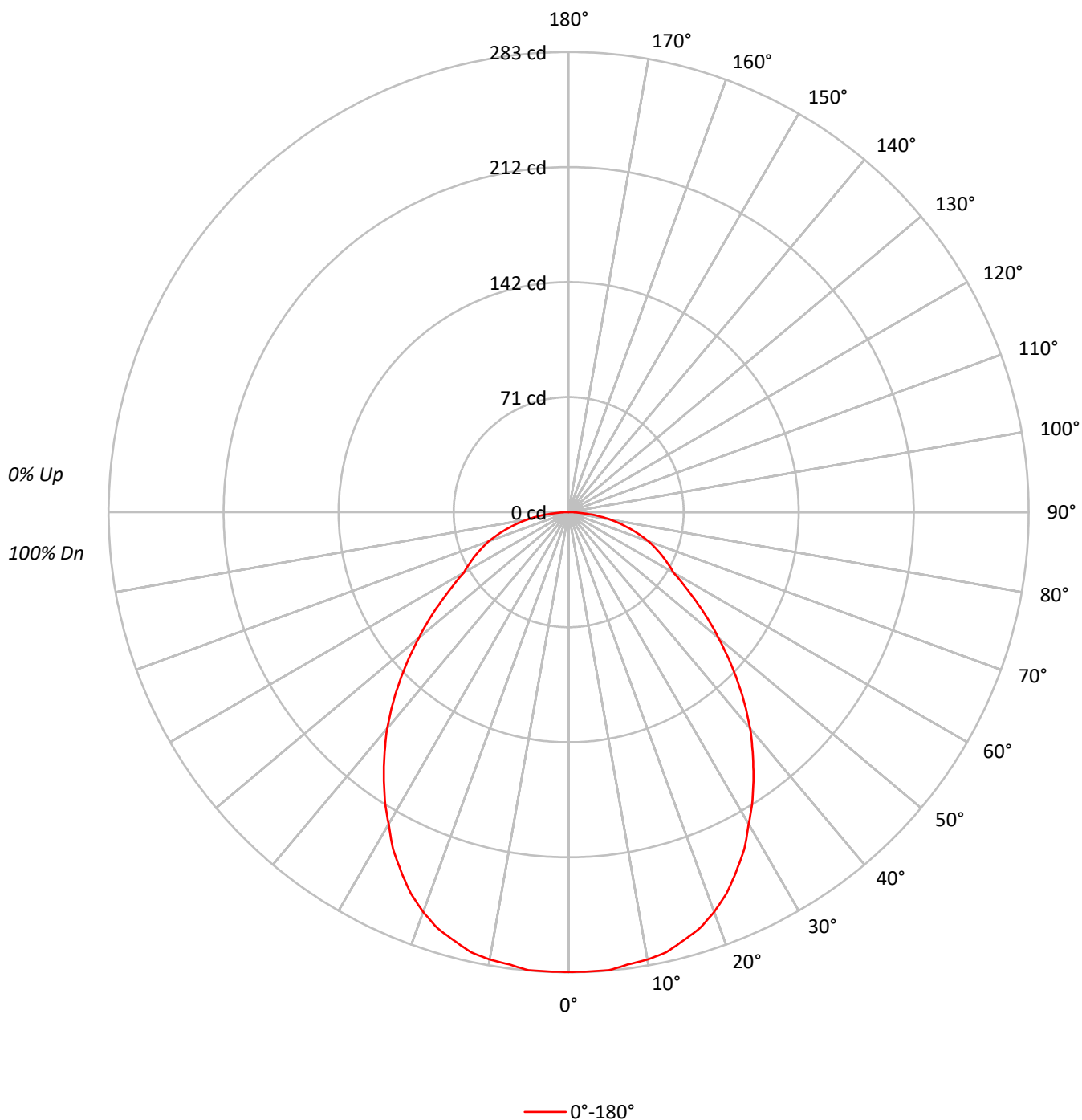
Lumens per Lamp: N/A
Luminaire Lumens: 655.8 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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°	2848
5°	2858
10°	2857
15°	2843
20°	2803
25°	2709
30°	2575
35°	2436
40°	2283
45°	2093
50°	1883
55°	1680
60°	1502
65°	1513
70°	1540
75°	1517
80°	1484
85°	1282

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	4.1
10°-20°	76.9	11.7
20°-30°	112.0	17.1
30°-40°	123.8	18.9
40°-50°	113.2	17.3
50°-60°	86.1	13.1
60°-70°	62.9	9.6
70°-80°	41.1	6.3
80°-90°	12.9	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°	215.8	32.9
0°-40°	339.6	51.8
0°-60°	539.0	82.2
0°-90°	655.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	283	
5°	283	27
15°	273	77
25°	244	112
35°	198	124
45°	147	113
55°	96	86
65°	64	63
75°	39	41
85°	11	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	282.8
2.5°	282.8
5°	282.8
7.5°	280.5
10°	279.4
12.5°	277.2
15°	272.7
17.5°	268.3
20°	261.6
22.5°	253.8
25°	243.8
27.5°	233.8
30°	221.5
32.5°	210.4
35°	198.2
37.5°	185.9
40°	173.7
42.5°	160.3
45°	147.0
47.5°	133.6
50°	120.2
52.5°	108.0
55°	95.7
57.5°	84.6
60°	74.6
62.5°	69.0
65°	63.5
67.5°	57.9
70°	52.3
72.5°	45.6
75°	39.0
77.5°	32.3
80°	25.6
82.5°	18.9
85°	11.1
87.5°	4.5
90°	0.0

(END OF REPORT)