

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: P1504204

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OT (4000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504204
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 (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

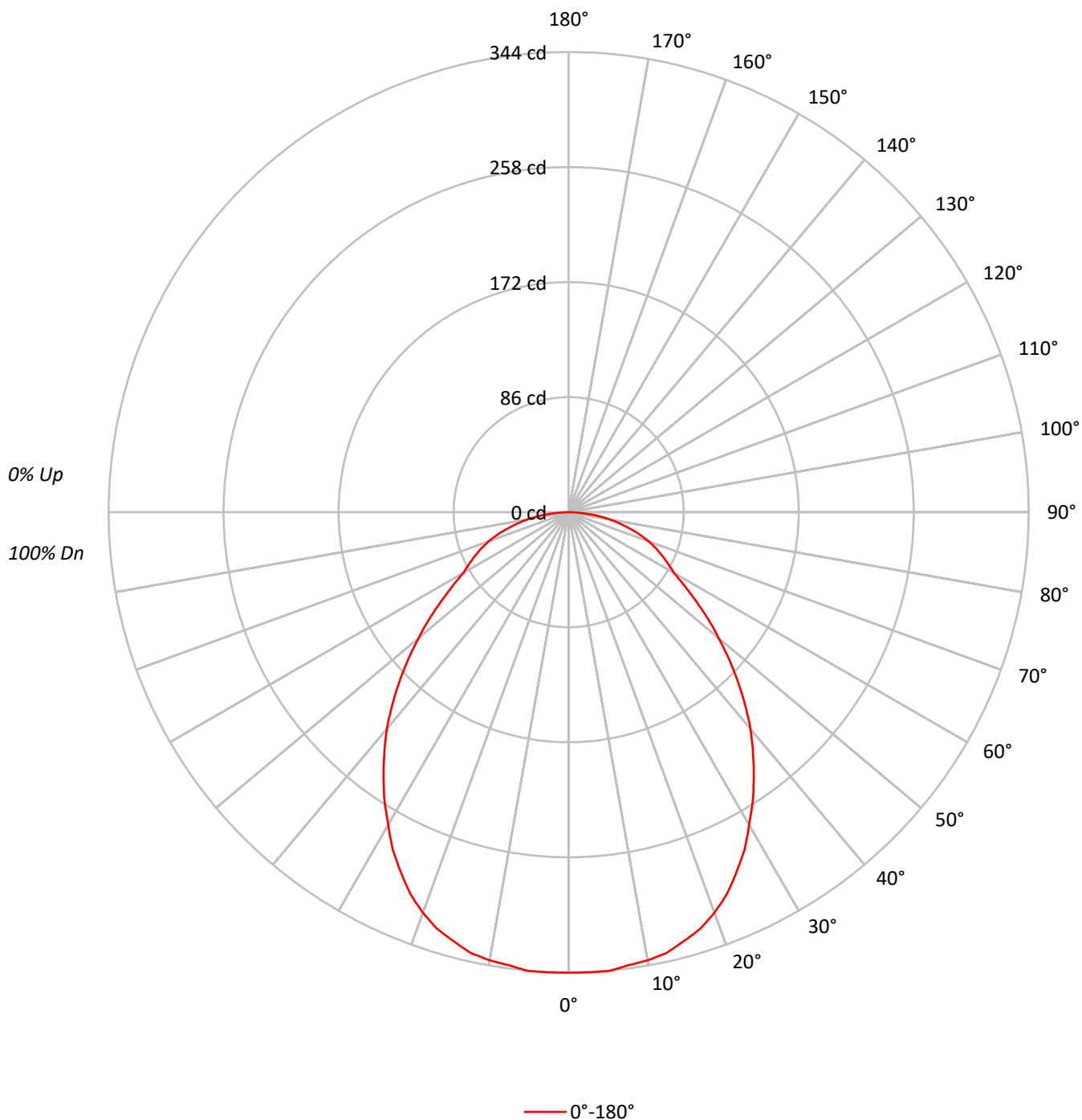
Lumens per Lamp: N/A
Luminaire Lumens: 798.5 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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°	3467
5°	3480
10°	3478
15°	3462
20°	3414
25°	3299
30°	3137
35°	2966
40°	2780
45°	2547
50°	2293
55°	2047
60°	1829
65°	1842
70°	1875
75°	1844
80°	1809
85°	1571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2547 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	4.1
10°-20°	93.6	11.7
20°-30°	136.5	17.1
30°-40°	150.8	18.9
40°-50°	137.9	17.3
50°-60°	104.9	13.1
60°-70°	76.5	9.6
70°-80°	50.1	6.3
80°-90°	15.7	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°	262.8	32.9
0°-40°	413.5	51.8
0°-60°	656.3	82.2
0°-90°	798.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	344	
5°	344	33
15°	332	94
25°	297	136
35°	241	151
45°	179	138
55°	117	105
65°	77	77
75°	47	50
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	344.3
2.5°	344.3
5°	344.3
7.5°	341.6
10°	340.2
12.5°	337.5
15°	332.1
17.5°	326.7
20°	318.6
22.5°	309.1
25°	296.9
27.5°	284.7
30°	269.8
32.5°	256.2
35°	241.3
37.5°	226.4
40°	211.5
42.5°	195.2
45°	178.9
47.5°	162.7
50°	146.4
52.5°	131.5
55°	116.6
57.5°	103.0
60°	90.8
62.5°	84.0
65°	77.3
67.5°	70.5
70°	63.7
72.5°	55.6
75°	47.4
77.5°	39.3
80°	31.2
82.5°	23.0
85°	13.6
87.5°	5.4
90°	0.0

(END OF REPORT)