

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: P1504201

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OT (3500K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504201
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 (3500K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

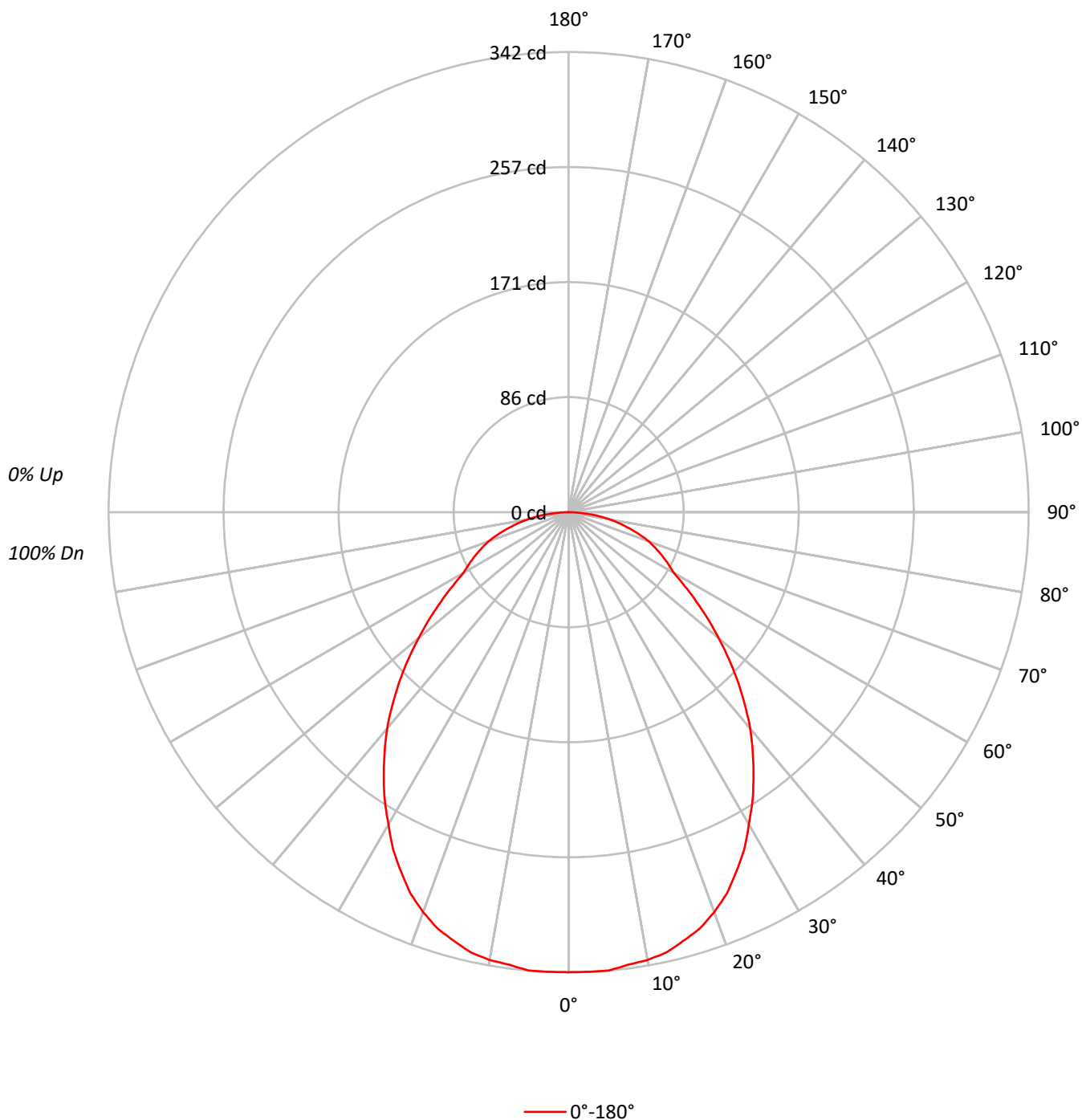
Lumens per Lamp: N/A
Luminaire Lumens: 793.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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					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	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°	3443
5°	3456
10°	3455
15°	3438
20°	3389
25°	3275
30°	3115
35°	2945
40°	2760
45°	2530
50°	2278
55°	2033
60°	1816
65°	1827
70°	1864
75°	1832
80°	1798
85°	1560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2530 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	4.1
10°-20°	93.0	11.7
20°-30°	135.5	17.1
30°-40°	149.7	18.9
40°-50°	136.9	17.3
50°-60°	104.2	13.1
60°-70°	76.0	9.6
70°-80°	49.7	6.3
80°-90°	15.6	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°	260.9	32.9
0°-40°	410.6	51.8
0°-60°	651.7	82.2
0°-90°	793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	342	
5°	342	32
15°	330	93
25°	295	135
35°	240	150
45°	178	137
55°	116	104
65°	77	76
75°	47	50
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	341.9
2.5°	341.9
5°	341.9
7.5°	339.2
10°	337.9
12.5°	335.2
15°	329.8
17.5°	324.4
20°	316.3
22.5°	306.9
25°	294.8
27.5°	282.7
30°	267.9
32.5°	254.4
35°	239.6
37.5°	224.8
40°	210.0
42.5°	193.8
45°	177.7
47.5°	161.5
50°	145.4
52.5°	130.6
55°	115.8
57.5°	102.3
60°	90.2
62.5°	83.5
65°	76.7
67.5°	70.0
70°	63.3
72.5°	55.2
75°	47.1
77.5°	39.0
80°	31.0
82.5°	22.9
85°	13.5
87.5°	5.4
90°	0.0

(END OF REPORT)