

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: P1504174

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504174
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 (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, 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

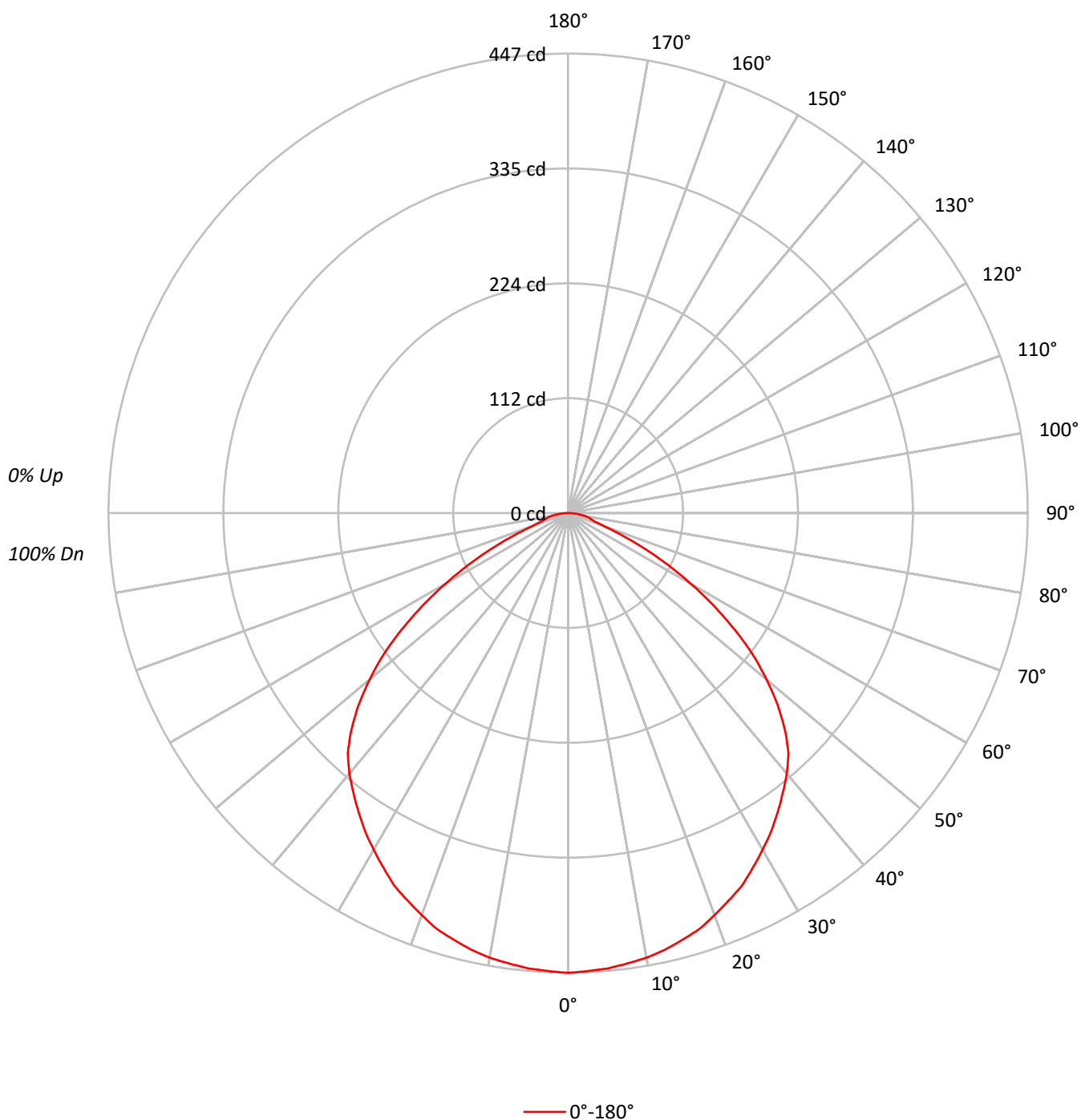
Lumens per Lamp: N/A
Luminaire Lumens: 1090.9 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	41	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°	4504
5°	4494
10°	4491
15°	4479
20°	4460
25°	4443
30°	4397
35°	4366
40°	4348
45°	4246
50°	3949
55°	3474
60°	2785
65°	1970
70°	1077
75°	895
80°	945
85°	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4246 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	3.9
10°-20°	121.3	11.1
20°-30°	183.9	16.9
30°-40°	222.4	20.4
40°-50°	228.3	20.9
50°-60°	175.7	16.1
60°-70°	82.9	7.6
70°-80°	25.5	2.3
80°-90°	8.5	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°	347.5	31.9
0°-40°	570.0	52.3
0°-60°	973.9	89.3
0°-90°	1090.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	447	
5°	445	42
15°	430	121
25°	400	184
35°	355	222
45°	298	228
55°	198	176
65°	83	83
75°	23	26
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	447.3
2.5°	446.0
5°	444.6
7.5°	441.9
10°	439.2
12.5°	435.1
15°	429.7
17.5°	424.3
20°	416.2
22.5°	408.0
25°	399.9
27.5°	389.0
30°	378.2
32.5°	367.4
35°	355.2
37.5°	343.0
40°	330.8
42.5°	317.2
45°	298.2
47.5°	276.5
50°	252.1
52.5°	226.4
55°	197.9
57.5°	168.1
60°	138.3
62.5°	109.8
65°	82.7
67.5°	56.9
70°	36.6
72.5°	27.1
75°	23.0
77.5°	20.3
80°	16.3
82.5°	12.2
85°	8.1
87.5°	2.7
90°	0.0

(END OF REPORT)