

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: P1503905

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

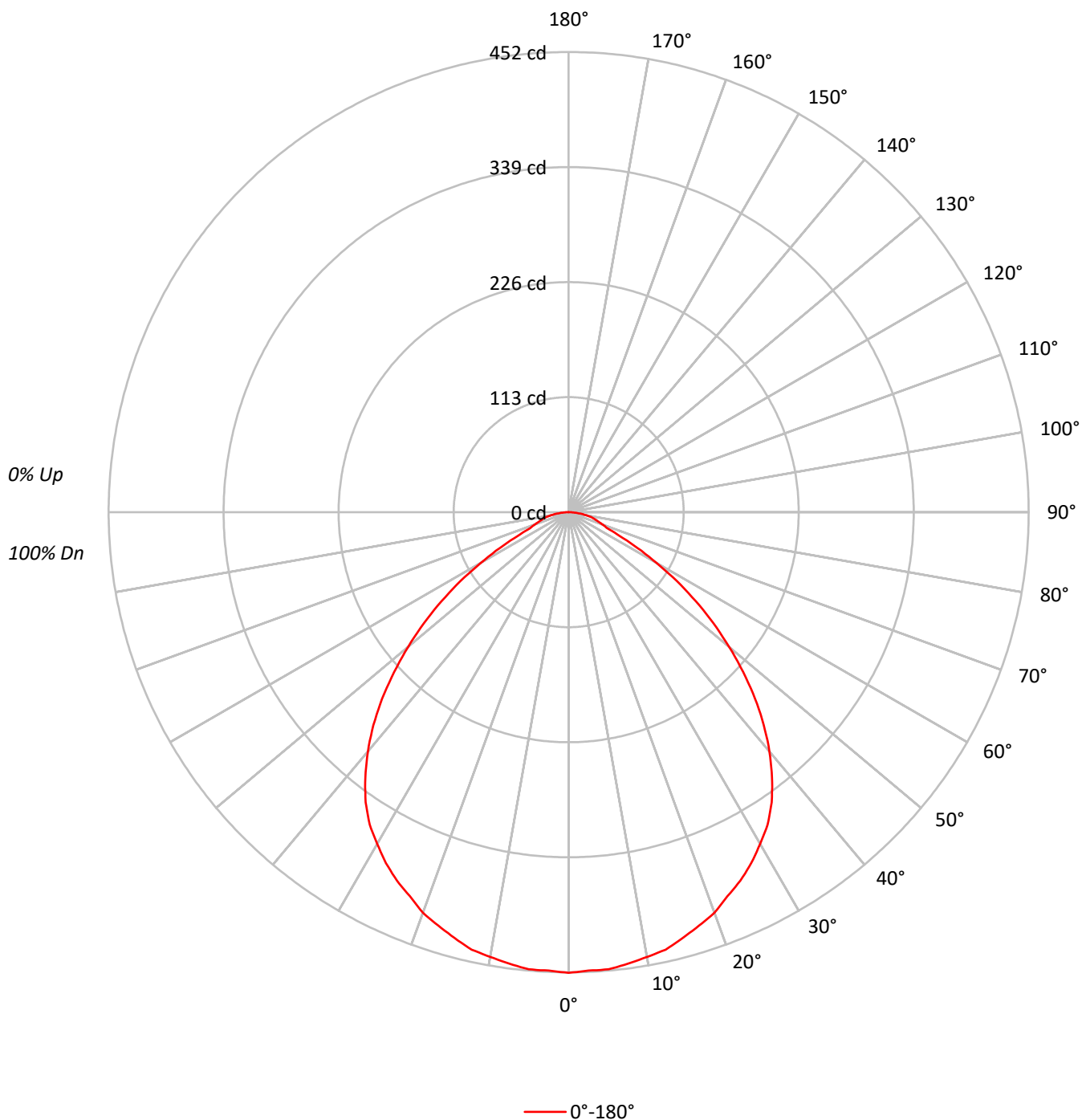
Lumens per Lamp: N/A
Luminaire Lumens: 995.4 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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

TEST NUMBER: P1503905

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-1000LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503905

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-1000LM)

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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	76	71	68	66		
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	41		
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36		
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13953
5°	13951
10°	13890
15°	13823
20°	13743
25°	13586
30°	13395
35°	13093
40°	12358
45°	11299
50°	9873
55°	8204
60°	6130
65°	4013
70°	3201
75°	3169
80°	3143
85°	2512

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11299 cd/sqm

TEST NUMBER: P1503905

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-1000LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	4.3
10°-20°	122.2	12.3
20°-30°	183.8	18.5
30°-40°	216.1	21.7
40°-50°	198.7	20.0
50°-60°	136.0	13.7
60°-70°	59.0	5.9
70°-80°	28.1	2.8
80°-90°	8.7	0.9
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°	348.8	35.0
0°-40°	564.9	56.8
0°-60°	899.6	90.4
0°-90°	995.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	452	
5°	451	43
15°	433	122
25°	399	184
35°	348	216
45°	259	199
55°	153	136
65°	55	59
75°	27	28
85°	7	9
90°	0	

TEST NUMBER: P1503905

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-1000LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	452.5
2.5°	450.7
5°	450.7
7.5°	447.2
10°	443.6
12.5°	440.1
15°	433.0
17.5°	425.9
20°	418.8
22.5°	408.1
25°	399.3
27.5°	388.6
30°	376.2
32.5°	363.8
35°	347.8
37.5°	328.3
40°	307.0
42.5°	283.9
45°	259.1
47.5°	232.5
50°	205.8
52.5°	179.2
55°	152.6
57.5°	126.0
60°	99.4
62.5°	76.3
65°	55.0
67.5°	40.8
70°	35.5
72.5°	30.2
75°	26.6
77.5°	23.1
80°	17.7
82.5°	12.4
85°	7.1
87.5°	3.5
90°	0.0

(END OF REPORT)