

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: P1503783

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

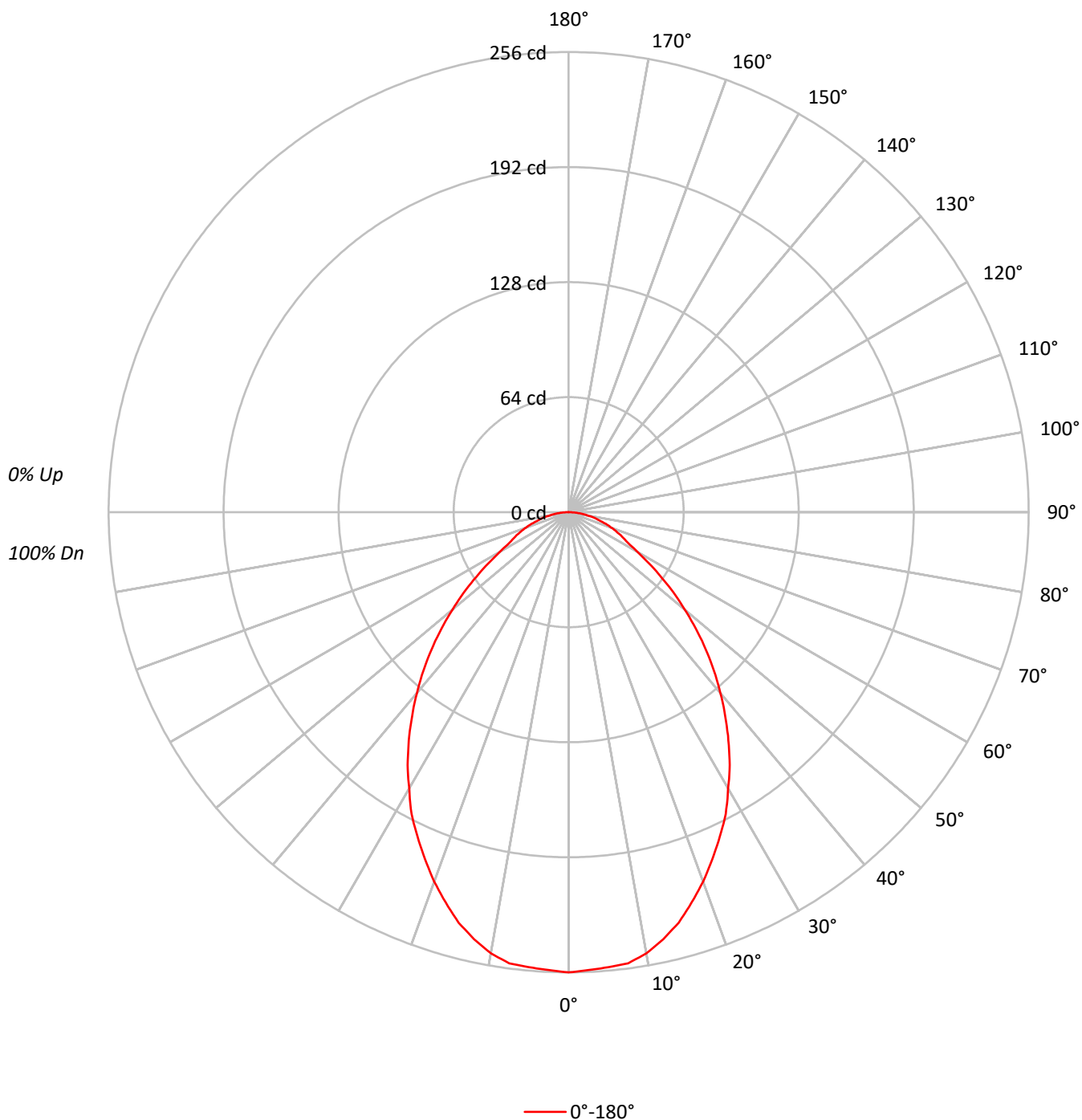
Lumens per Lamp: N/A
Luminaire Lumens: 476.1 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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: P1503783

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-650LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503783

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-650LM)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			
3	94	85	78	72	92	83	77	71	81	75	70	78	73	69	75	71	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7894
5°	7865
10°	7803
15°	7547
20°	7177
25°	6774
30°	6320
35°	5835
40°	5289
45°	4705
50°	4049
55°	3376
60°	2720
65°	2437
70°	2299
75°	2109
80°	1918
85°	1734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4705 cd/sqm

TEST NUMBER: P1503783

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-650LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	5.1
10°-20°	66.3	13.9
20°-30°	91.5	19.2
30°-40°	96.7	20.3
40°-50°	83.1	17.4
50°-60°	56.5	11.9
60°-70°	33.4	7.0
70°-80°	19.0	4.0
80°-90°	5.5	1.1
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°	181.9	38.2
0°-40°	278.6	58.5
0°-60°	418.2	87.8
0°-90°	476.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	476.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	256	
5°	254	24
15°	236	66
25°	199	91
35°	155	97
45°	108	83
55°	63	57
65°	33	33
75°	18	19
85°	5	5
90°	0	

TEST NUMBER: P1503783

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-650LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	256.0
2.5°	255.0
5°	254.1
7.5°	253.1
10°	249.2
12.5°	243.3
15°	236.4
17.5°	227.6
20°	218.7
22.5°	208.9
25°	199.1
27.5°	189.3
30°	177.5
32.5°	166.8
35°	155.0
37.5°	143.2
40°	131.4
42.5°	119.7
45°	107.9
47.5°	96.1
50°	84.4
52.5°	73.6
55°	62.8
57.5°	53.0
60°	44.1
62.5°	37.3
65°	33.4
67.5°	29.4
70°	25.5
72.5°	21.6
75°	17.7
77.5°	14.7
80°	10.8
82.5°	7.8
85°	4.9
87.5°	2.0
90°	0.0

(END OF REPORT)