

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: P1504037

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (4000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504037
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-010-XXXX-WHTE-XX-ND (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

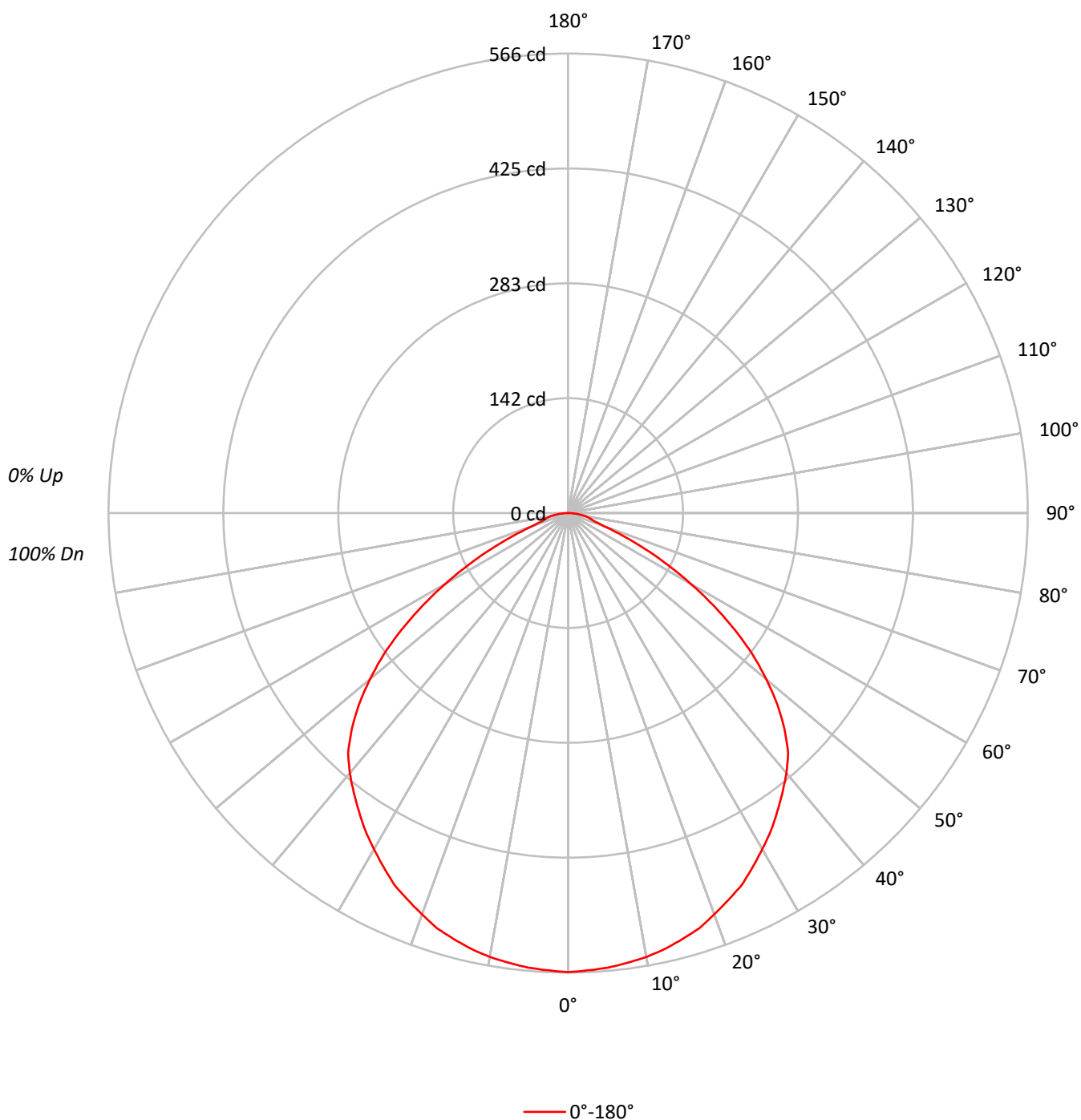
Lumens per Lamp: N/A
Luminaire Lumens: 1379.2 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	50	30	10	50	30	10		
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	40	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°	5694
5°	5681
10°	5678
15°	5663
20°	5637
25°	5617
30°	5559
35°	5519
40°	5497
45°	5368
50°	4994
55°	4392
60°	3520
65°	2490
70°	1363
75°	1132
80°	1194
85°	1190

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	3.9
10°-20°	153.4	11.1
20°-30°	232.6	16.9
30°-40°	281.2	20.4
40°-50°	288.6	20.9
50°-60°	222.1	16.1
60°-70°	104.9	7.6
70°-80°	32.3	2.3
80°-90°	10.7	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°	439.4	31.9
0°-40°	720.6	52.2
0°-60°	1231.3	89.3
0°-90°	1379.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1379.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	566	
5°	562	53
15°	543	153
25°	506	233
35°	449	281
45°	377	289
55°	250	222
65°	104	105
75°	29	32
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	565.5
2.5°	563.8
5°	562.1
7.5°	558.7
10°	555.3
12.5°	550.1
15°	543.3
17.5°	536.4
20°	526.1
22.5°	515.8
25°	505.6
27.5°	491.9
30°	478.1
32.5°	464.4
35°	449.0
37.5°	433.6
40°	418.2
42.5°	401.0
45°	377.0
47.5°	349.6
50°	318.8
52.5°	286.2
55°	250.2
57.5°	212.5
60°	174.8
62.5°	138.8
65°	104.5
67.5°	72.0
70°	46.3
72.5°	34.3
75°	29.1
77.5°	25.7
80°	20.6
82.5°	15.4
85°	10.3
87.5°	3.4
90°	0.0

(END OF REPORT)