

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: P1504038

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (4000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504038
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-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

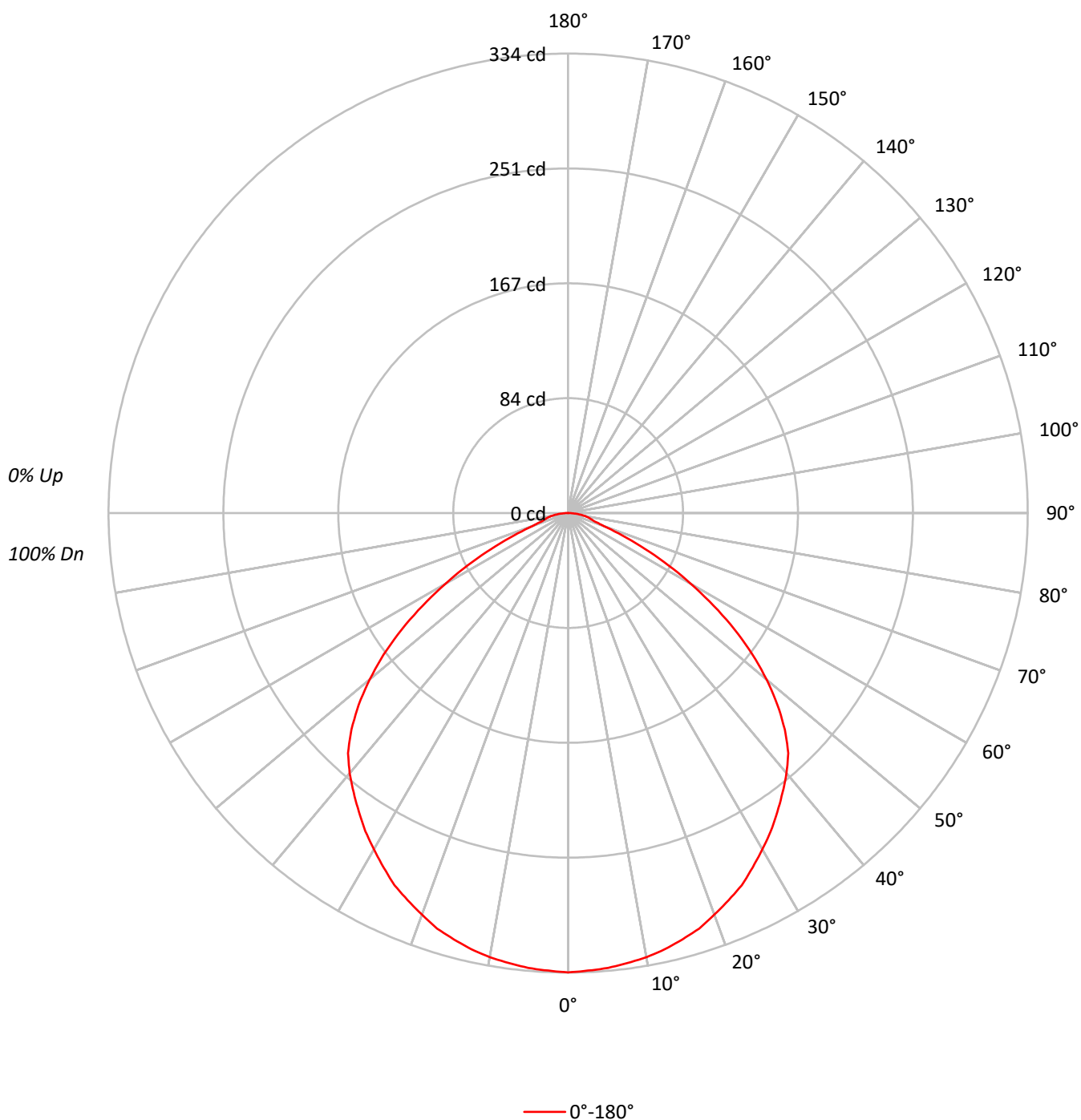
Lumens per Lamp: N/A
Luminaire Lumens: 814.3 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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°	3362
5°	3355
10°	3352
15°	3344
20°	3328
25°	3316
30°	3282
35°	3259
40°	3245
45°	3170
50°	2948
55°	2593
60°	2078
65°	1470
70°	804
75°	669
80°	702
85°	705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	3.9
10°-20°	90.6	11.1
20°-30°	137.3	16.9
30°-40°	166.0	20.4
40°-50°	170.4	20.9
50°-60°	131.1	16.1
60°-70°	61.9	7.6
70°-80°	19.1	2.3
80°-90°	6.3	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°	259.4	31.9
0°-40°	425.4	52.2
0°-60°	727.0	89.3
0°-90°	814.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	334	
5°	332	32
15°	321	91
25°	298	137
35°	265	166
45°	223	170
55°	148	131
65°	62	62
75°	17	19
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	333.9
2.5°	332.9
5°	331.9
7.5°	329.9
10°	327.8
12.5°	324.8
15°	320.8
17.5°	316.7
20°	310.6
22.5°	304.6
25°	298.5
27.5°	290.4
30°	282.3
32.5°	274.2
35°	265.1
37.5°	256.0
40°	246.9
42.5°	236.8
45°	222.6
47.5°	206.4
50°	188.2
52.5°	169.0
55°	147.7
57.5°	125.5
60°	103.2
62.5°	82.0
65°	61.7
67.5°	42.5
70°	27.3
72.5°	20.2
75°	17.2
77.5°	15.2
80°	12.1
82.5°	9.1
85°	6.1
87.5°	2.0
90°	0.0

(END OF REPORT)