

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: P1504086

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-17)
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-BRNZ-XX-ND (5000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

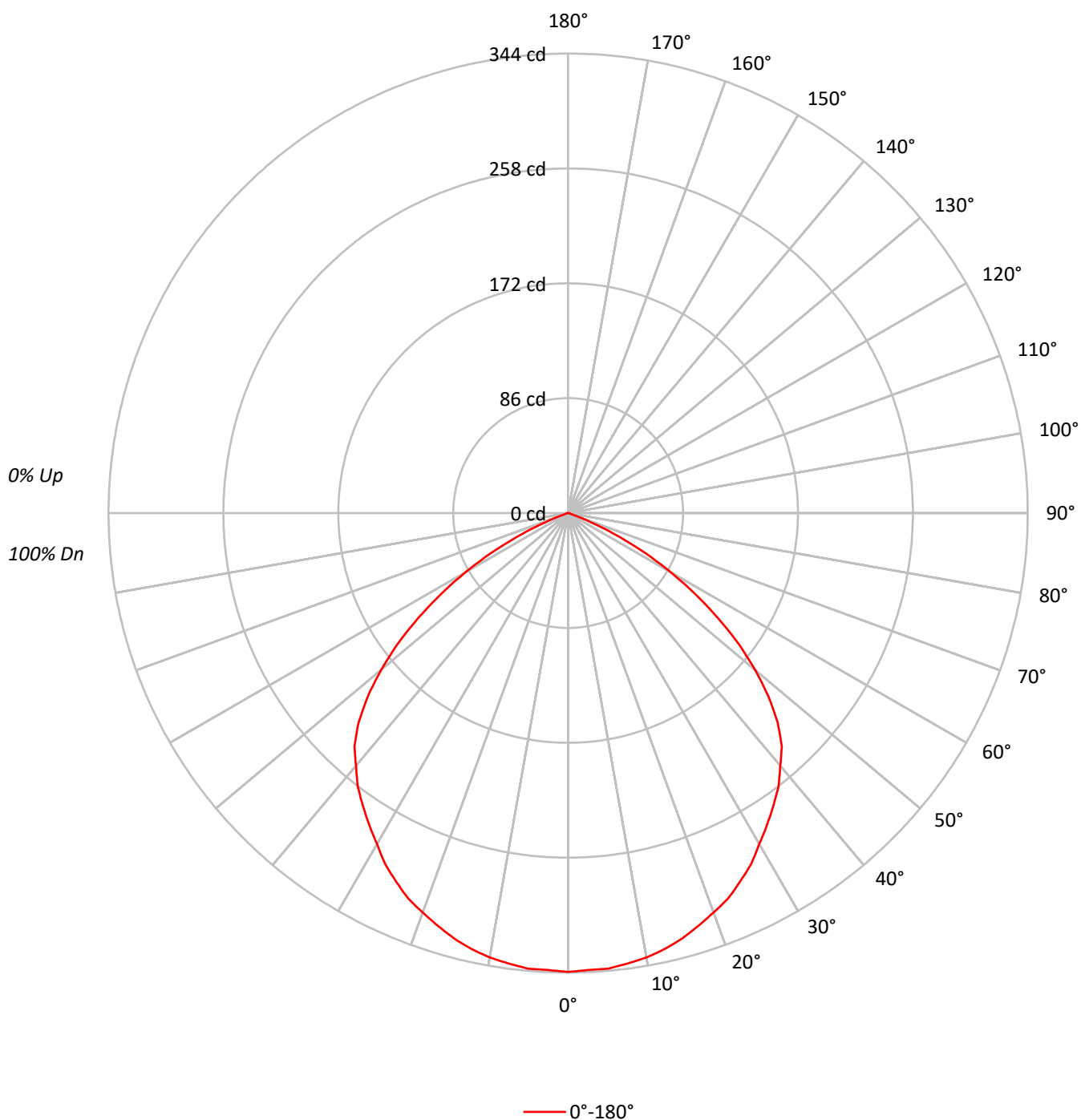
Lumens per Lamp: N/A
Luminaire Lumens: 770.3 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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				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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89			
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68			
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59			
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52			
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46			
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			
9	61	48	41	35	60	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°	3459
5°	3461
10°	3454
15°	3437
20°	3410
25°	3383
30°	3326
35°	3291
40°	3247
45°	3157
50°	2862
55°	2400
60°	1782
65°	1013
70°	203
75°	43
80°	64
85°	127

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3157 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	4.2
10°-20°	93.0	12.1
20°-30°	140.2	18.2
30°-40°	167.5	21.7
40°-50°	169.0	21.9
50°-60°	121.6	15.8
60°-70°	43.5	5.6
70°-80°	2.2	0.3
80°-90°	0.7	0.1
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°	265.7	34.5
0°-40°	433.2	56.2
0°-60°	723.8	94.0
0°-90°	770.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	344	
5°	342	33
15°	330	93
25°	304	140
35°	268	168
45°	222	169
55°	137	122
65°	42	44
75°	1	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	343.5
2.5°	342.4
5°	342.4
7.5°	340.1
10°	337.8
12.5°	334.3
15°	329.7
17.5°	324.0
20°	318.2
22.5°	312.5
25°	304.5
27.5°	296.4
30°	286.1
32.5°	276.9
35°	267.7
37.5°	258.5
40°	247.0
42.5°	236.7
45°	221.7
47.5°	203.4
50°	182.7
52.5°	160.8
55°	136.7
57.5°	112.6
60°	88.5
62.5°	65.5
65°	42.5
67.5°	21.8
70°	6.9
72.5°	2.3
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)