

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: P1504111

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (3500K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-20)
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-OT (3500K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

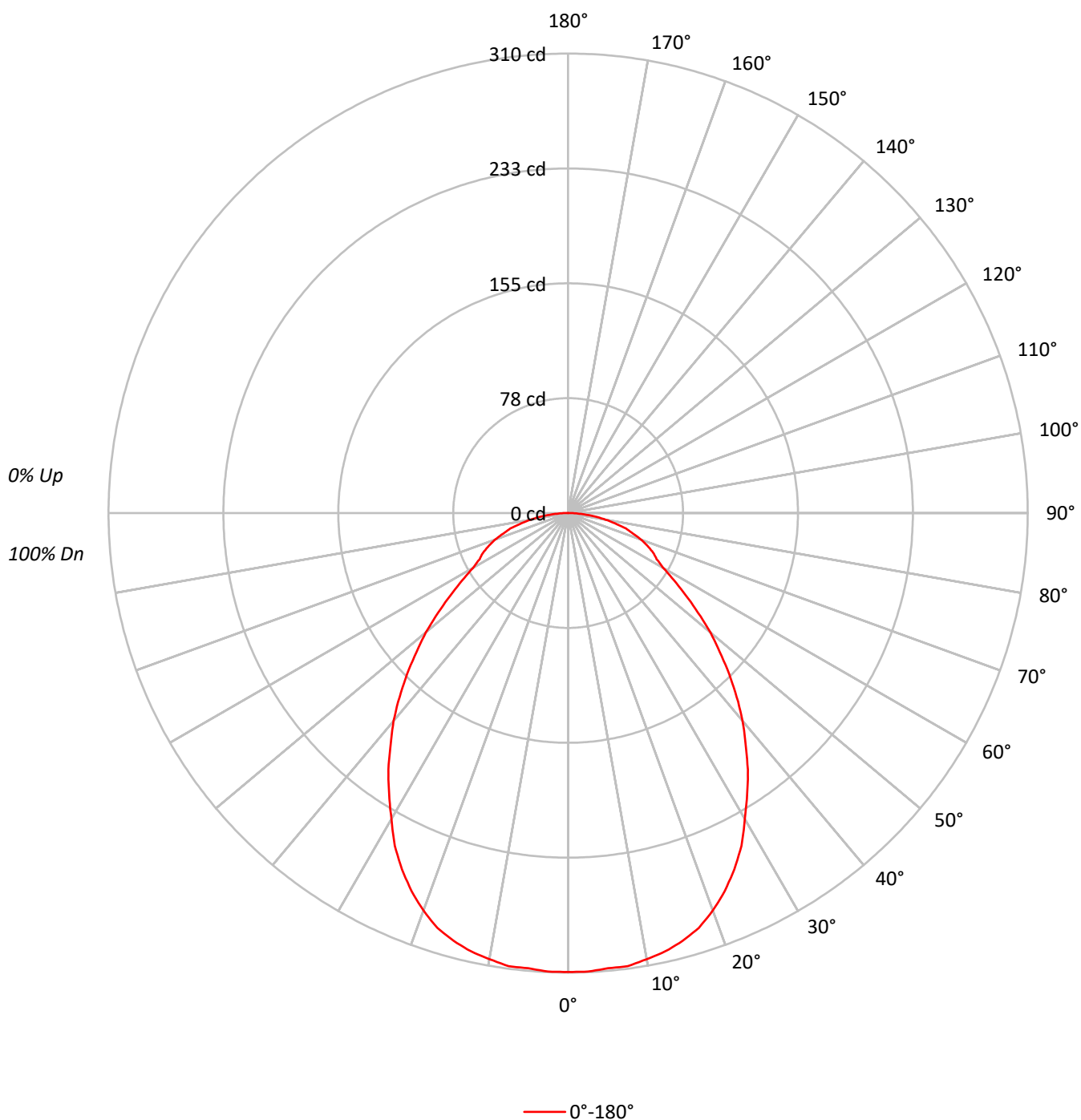
Lumens per Lamp: N/A
Luminaire Lumens: 689.5 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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					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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	46	71	59	51	46	58	51	45	56	50	45	55	49	44	43			
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38			
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34			
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31			
10	56	43	36	31	55	43	36	31	42	35	30	41	35	30	40	34	30	29			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3117
5°	3116
10°	3125
15°	3115
20°	3058
25°	2946
30°	2771
35°	2597
40°	2407
45°	2186
50°	1961
55°	1701
60°	1490
65°	1508
70°	1546
75°	1572
80°	1484
85°	1248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	4.3
10°-20°	84.1	12.2
20°-30°	121.6	17.6
30°-40°	131.8	19.1
40°-50°	118.4	17.2
50°-60°	87.4	12.7
60°-70°	62.3	9.0
70°-80°	41.6	6.0
80°-90°	13.0	1.9
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°	235.1	34.1
0°-40°	366.8	53.2
0°-60°	572.6	83.0
0°-90°	689.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	689.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	310	
5°	308	29
15°	299	84
25°	265	122
35°	211	132
45°	154	118
55°	97	87
65°	63	62
75°	40	42
85°	11	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	309.6
2.5°	309.6
5°	308.3
7.5°	308.3
10°	305.6
12.5°	302.9
15°	298.8
17.5°	293.4
20°	285.4
22.5°	276.0
25°	265.2
27.5°	253.1
30°	238.3
32.5°	224.8
35°	211.3
37.5°	196.5
40°	183.1
42.5°	168.3
45°	153.5
47.5°	138.6
50°	125.2
52.5°	110.4
55°	96.9
57.5°	84.8
60°	74.0
62.5°	67.3
65°	63.3
67.5°	57.9
70°	52.5
72.5°	45.8
75°	40.4
77.5°	32.3
80°	25.6
82.5°	18.8
85°	10.8
87.5°	5.4
90°	0.0

(END OF REPORT)