

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: P1504112

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (4000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504112
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 (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

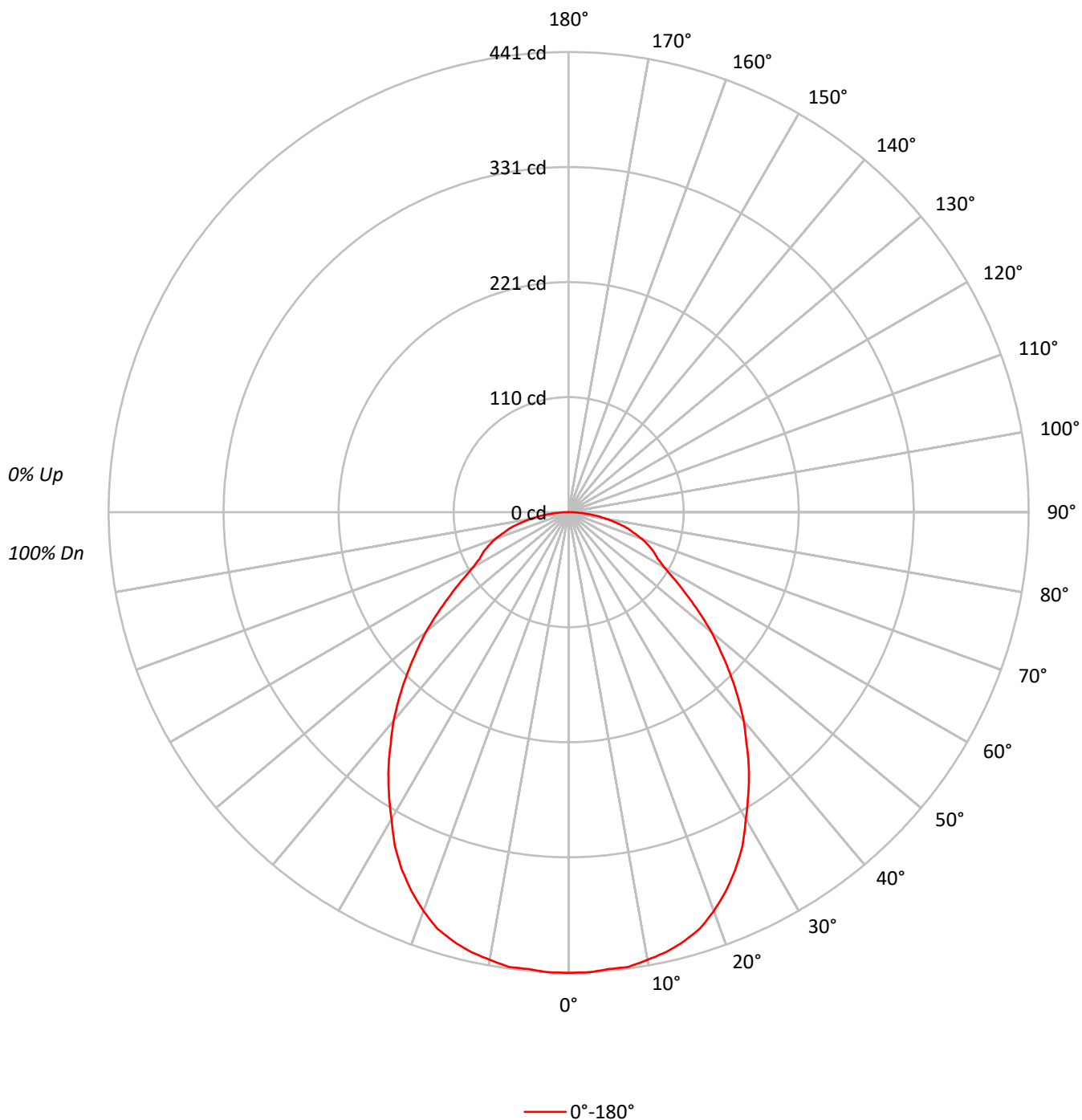
Lumens per Lamp: N/A
Luminaire Lumens: 983.1 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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	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	54	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°	4444
5°	4442
10°	4454
15°	4441
20°	4359
25°	4201
30°	3950
35°	3704
40°	3431
45°	3116
50°	2796
55°	2426
60°	2127
65°	2149
70°	2202
75°	2241
80°	2116
85°	1779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	4.3
10°-20°	119.9	12.2
20°-30°	173.3	17.6
30°-40°	187.9	19.1
40°-50°	168.8	17.2
50°-60°	124.7	12.7
60°-70°	88.9	9.0
70°-80°	59.2	6.0
80°-90°	18.6	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°	335.1	34.1
0°-40°	523.0	53.2
0°-60°	816.4	83.0
0°-90°	983.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	441	
5°	440	42
15°	426	120
25°	378	173
35°	301	188
45°	219	169
55°	138	125
65°	90	89
75°	58	59
85°	15	19
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	441.4
2.5°	441.4
5°	439.5
7.5°	439.5
10°	435.6
12.5°	431.8
15°	426.0
17.5°	418.4
20°	406.8
22.5°	393.4
25°	378.1
27.5°	360.8
30°	339.7
32.5°	320.5
35°	301.3
37.5°	280.2
40°	261.0
42.5°	239.9
45°	218.8
47.5°	197.7
50°	178.5
52.5°	157.4
55°	138.2
57.5°	120.9
60°	105.6
62.5°	96.0
65°	90.2
67.5°	82.5
70°	74.8
72.5°	65.2
75°	57.6
77.5°	46.1
80°	36.5
82.5°	26.9
85°	15.4
87.5°	7.7
90°	0.0

(END OF REPORT)