

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: P1503978

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503978
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-010-XXXX-BRNZ-XX-OT (4000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

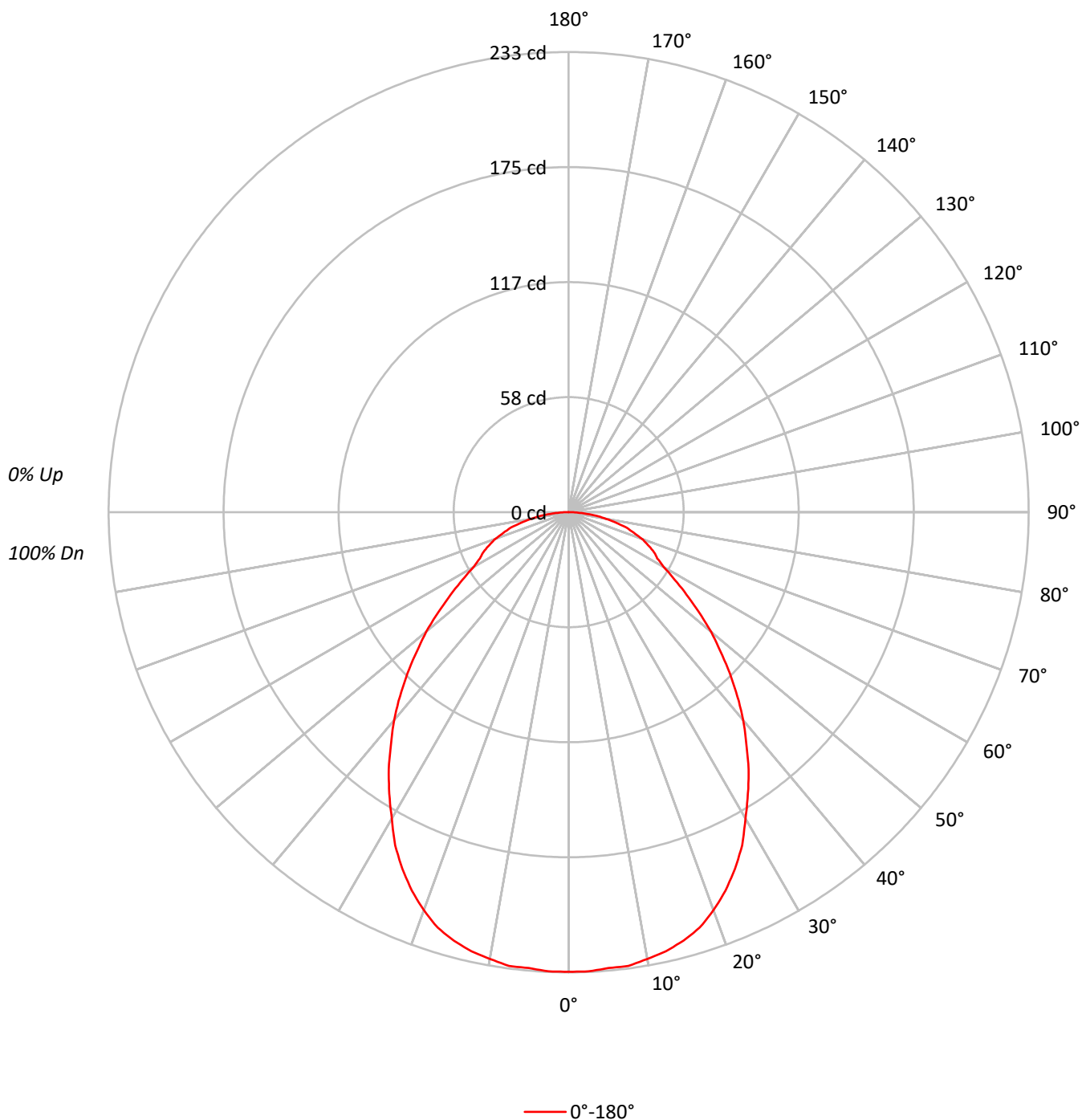
Lumens per Lamp: N/A
Luminaire Lumens: 518.3 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2343
5°	2342
10°	2349
15°	2341
20°	2298
25°	2214
30°	2082
35°	1953
40°	1809
45°	1643
50°	1474
55°	1280
60°	1122
65°	1134
70°	1163
75°	1183
80°	1113
85°	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1643 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	4.3
10°-20°	63.2	12.2
20°-30°	91.4	17.6
30°-40°	99.0	19.1
40°-50°	89.0	17.2
50°-60°	65.7	12.7
60°-70°	46.9	9.0
70°-80°	31.2	6.0
80°-90°	9.8	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°	176.7	34.1
0°-40°	275.7	53.2
0°-60°	430.4	83.0
0°-90°	518.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	233	
5°	232	22
15°	225	63
25°	199	91
35°	159	99
45°	115	89
55°	73	66
65°	48	47
75°	30	31
85°	8	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	232.7
2.5°	232.7
5°	231.7
7.5°	231.7
10°	229.7
12.5°	227.7
15°	224.6
17.5°	220.6
20°	214.5
22.5°	207.4
25°	199.3
27.5°	190.2
30°	179.1
32.5°	169.0
35°	158.9
37.5°	147.7
40°	137.6
42.5°	126.5
45°	115.4
47.5°	104.2
50°	94.1
52.5°	83.0
55°	72.9
57.5°	63.7
60°	55.7
62.5°	50.6
65°	47.6
67.5°	43.5
70°	39.5
72.5°	34.4
75°	30.4
77.5°	24.3
80°	19.2
82.5°	14.2
85°	8.1
87.5°	4.0
90°	0.0

(END OF REPORT)