

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: P1503975

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (3500K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503975
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 (3500K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

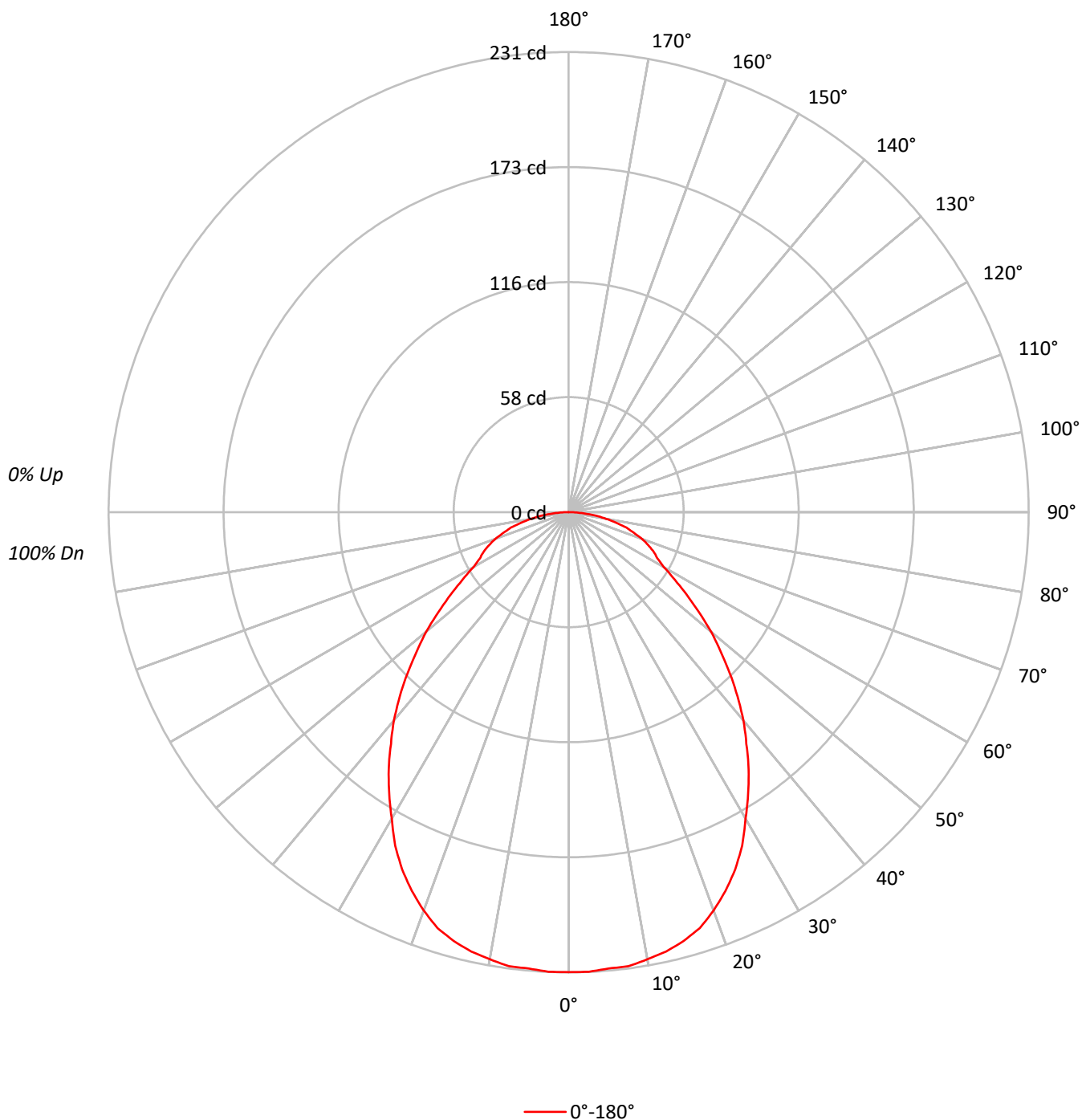
Lumens per Lamp: N/A
Luminaire Lumens: 514.2 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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					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°	2325
5°	2324
10°	2330
15°	2324
20°	2280
25°	2198
30°	2066
35°	1937
40°	1794
45°	1630
50°	1463
55°	1269
60°	1112
65°	1125
70°	1154
75°	1171
80°	1108
85°	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1630 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	4.3
10°-20°	62.7	12.2
20°-30°	90.7	17.6
30°-40°	98.3	19.1
40°-50°	88.3	17.2
50°-60°	65.2	12.7
60°-70°	46.5	9.0
70°-80°	31.0	6.0
80°-90°	9.7	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°	175.3	34.1
0°-40°	273.6	53.2
0°-60°	427.0	83.0
0°-90°	514.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	231	
5°	230	22
15°	223	63
25°	198	91
35°	158	98
45°	114	88
55°	72	65
65°	47	47
75°	30	31
85°	8	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	230.9
2.5°	230.9
5°	229.9
7.5°	229.9
10°	227.9
12.5°	225.9
15°	222.9
17.5°	218.9
20°	212.8
22.5°	205.8
25°	197.8
27.5°	188.7
30°	177.7
32.5°	167.7
35°	157.6
37.5°	146.6
40°	136.5
42.5°	125.5
45°	114.5
47.5°	103.4
50°	93.4
52.5°	82.3
55°	72.3
57.5°	63.2
60°	55.2
62.5°	50.2
65°	47.2
67.5°	43.2
70°	39.2
72.5°	34.1
75°	30.1
77.5°	24.1
80°	19.1
82.5°	14.1
85°	8.0
87.5°	4.0
90°	0.0

(END OF REPORT)