

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: P1503981

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503981
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 (5000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

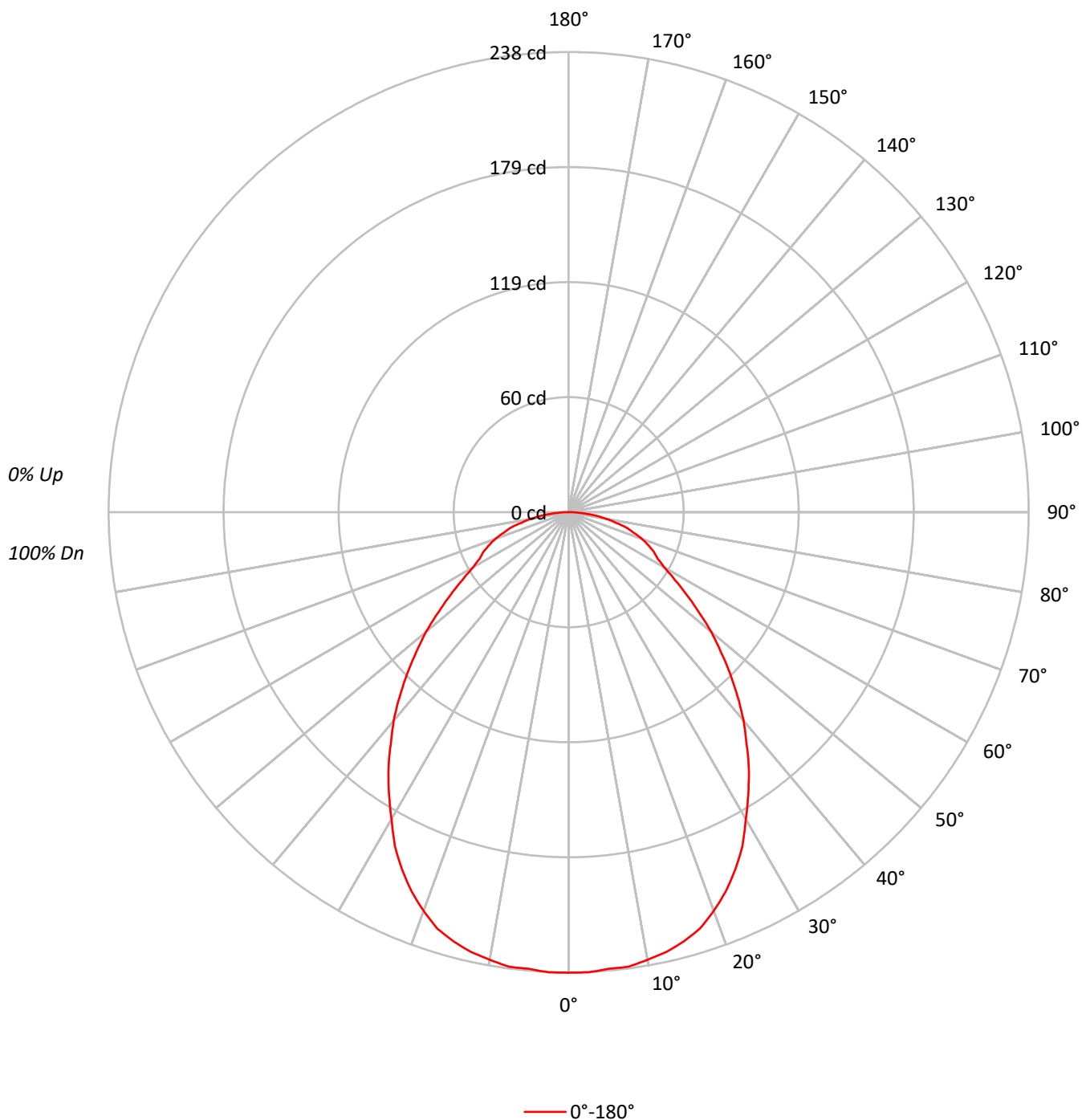
Lumens per Lamp: N/A
Luminaire Lumens: 530.4 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2398
5°	2396
10°	2404
15°	2397
20°	2352
25°	2266
30°	2131
35°	1999
40°	1851
45°	1682
50°	1509
55°	1310
60°	1148
65°	1160
70°	1189
75°	1210
80°	1142
85°	959

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	4.3
10°-20°	64.7	12.2
20°-30°	93.5	17.6
30°-40°	101.4	19.1
40°-50°	91.1	17.2
50°-60°	67.3	12.7
60°-70°	48.0	9.0
70°-80°	32.0	6.0
80°-90°	10.0	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°	180.8	34.1
0°-40°	282.2	53.2
0°-60°	440.5	83.0
0°-90°	530.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	238	
5°	237	23
15°	230	65
25°	204	94
35°	163	101
45°	118	91
55°	75	67
65°	49	48
75°	31	32
85°	8	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	238.2
2.5°	238.2
5°	237.1
7.5°	237.1
10°	235.1
12.5°	233.0
15°	229.9
17.5°	225.8
20°	219.5
22.5°	212.3
25°	204.0
27.5°	194.7
30°	183.3
32.5°	172.9
35°	162.6
37.5°	151.2
40°	140.8
42.5°	129.4
45°	118.1
47.5°	106.7
50°	96.3
52.5°	84.9
55°	74.6
57.5°	65.2
60°	57.0
62.5°	51.8
65°	48.7
67.5°	44.5
70°	40.4
72.5°	35.2
75°	31.1
77.5°	24.9
80°	19.7
82.5°	14.5
85°	8.3
87.5°	4.1
90°	0.0

(END OF REPORT)