

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: P1503972

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (3000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503972
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 (3000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

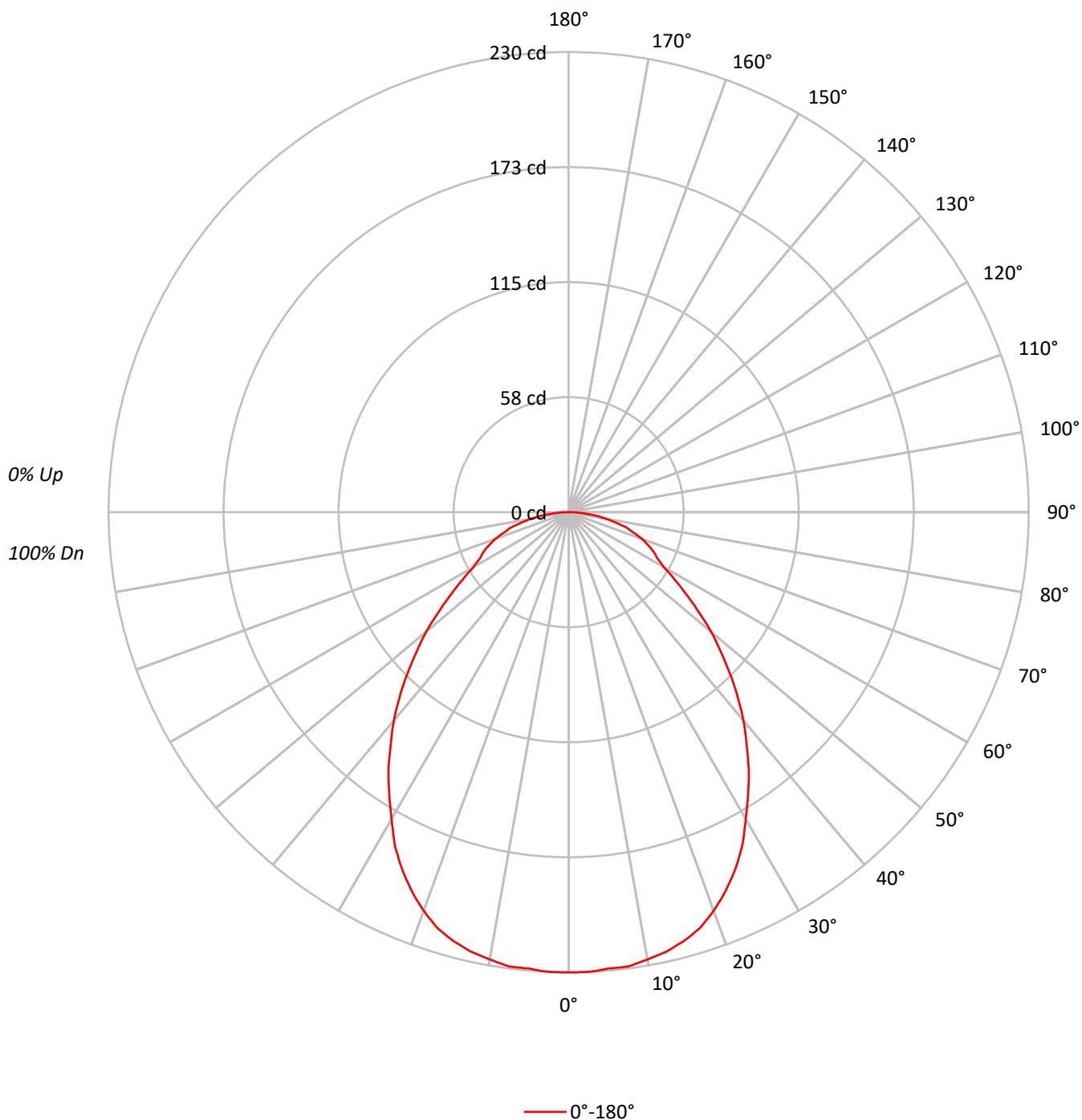
Lumens per Lamp: N/A
Luminaire Lumens: 512.2 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2316
5°	2315
10°	2321
15°	2314
20°	2272
25°	2189
30°	2058
35°	1930
40°	1788
45°	1623
50°	1457
55°	1264
60°	1108
65°	1120
70°	1148
75°	1167
80°	1102
85°	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	4.3
10°-20°	62.5	12.2
20°-30°	90.3	17.6
30°-40°	97.9	19.1
40°-50°	87.9	17.2
50°-60°	64.9	12.7
60°-70°	46.3	9.0
70°-80°	30.9	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°	174.6	34.1
0°-40°	272.5	53.2
0°-60°	425.4	83.0
0°-90°	512.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	512.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	230	
5°	229	22
15°	222	62
25°	197	90
35°	157	98
45°	114	88
55°	72	65
65°	47	46
75°	30	31
85°	8	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	230
2.5°	230
5°	229
7.5°	229
10°	227
12.5°	225
15°	222
17.5°	218
20°	212
22.5°	205
25°	197
27.5°	188
30°	177
32.5°	167
35°	157
37.5°	146
40°	136
42.5°	125
45°	114
47.5°	103
50°	93
52.5°	82
55°	72
57.5°	63
60°	55
62.5°	50
65°	47
67.5°	43
70°	39
72.5°	34
75°	30
77.5°	24
80°	19
82.5°	14
85°	8
87.5°	4
90°	0

(END OF REPORT)