

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: P1504026

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-21)
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-BRSS-XX-OT (5000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

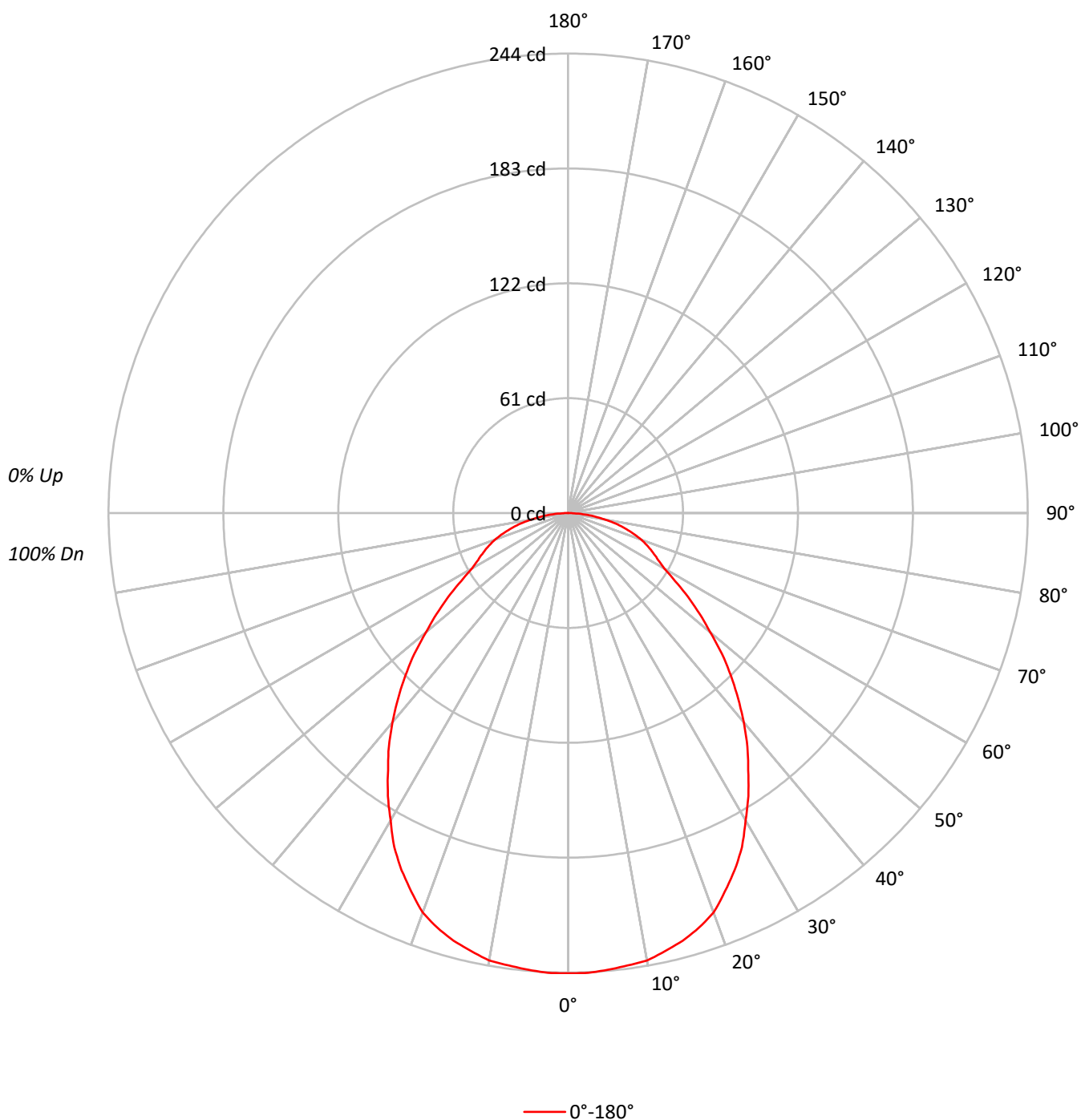
Lumens per Lamp: N/A
Luminaire Lumens: 545.4 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
R																					
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
R	1	109	105	101	97	107	103	99	96	99	96	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	42		
	7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38		
	8	64	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	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	35	31	42	35	30	41	35	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2461
5°	2460
10°	2467
15°	2451
20°	2419
25°	2324
30°	2192
35°	2049
40°	1906
45°	1740
50°	1541
55°	1364
60°	1188
65°	1184
70°	1219
75°	1210
80°	1142
85°	1074

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1740 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	4.2
10°-20°	66.2	12.1
20°-30°	96.0	17.6
30°-40°	104.4	19.1
40°-50°	94.1	17.2
50°-60°	69.6	12.8
60°-70°	49.4	9.1
70°-80°	32.6	6.0
80°-90°	10.0	1.8
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°	185.4	34.0
0°-40°	289.8	53.1
0°-60°	453.4	83.1
0°-90°	545.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	244	
5°	243	23
15°	235	66
25°	209	96
35°	167	104
45°	122	94
55°	78	70
65°	50	49
75°	31	33
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	244.4
2.5°	244.4
5°	243.4
7.5°	242.3
10°	241.3
12.5°	238.2
15°	235.1
17.5°	230.9
20°	225.8
22.5°	217.5
25°	209.2
27.5°	199.9
30°	188.5
32.5°	178.1
35°	166.7
37.5°	156.4
40°	145.0
42.5°	133.6
45°	122.2
47.5°	110.8
50°	98.4
52.5°	88.0
55°	77.7
57.5°	67.3
60°	59.0
62.5°	53.9
65°	49.7
67.5°	45.6
70°	41.4
72.5°	36.2
75°	31.1
77.5°	25.9
80°	19.7
82.5°	14.5
85°	9.3
87.5°	3.1
90°	0.0

(END OF REPORT)