

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: P1504022

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (4000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504022
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 (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

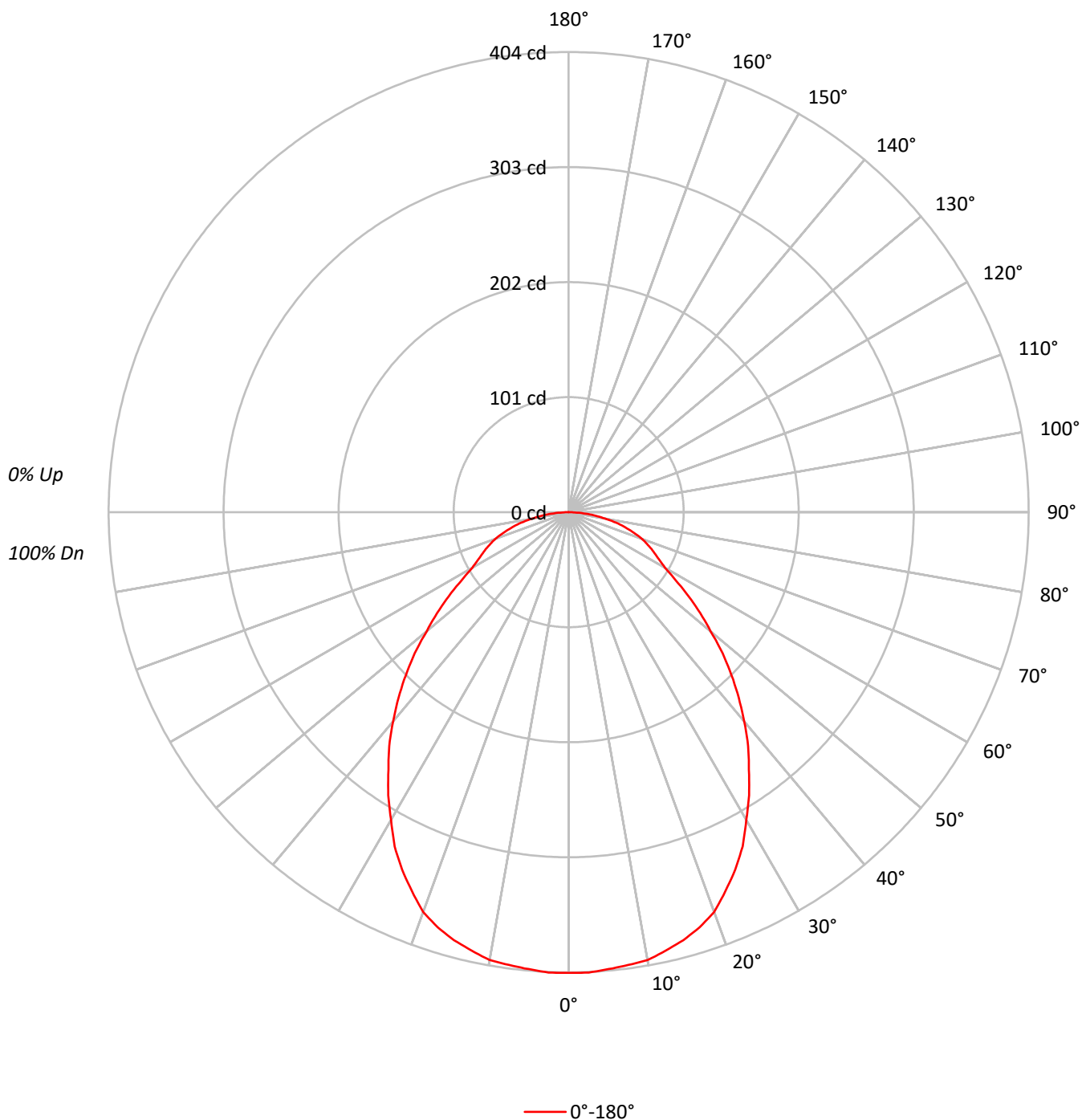
Lumens per Lamp: N/A
Luminaire Lumens: 902.5 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	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°	4073
5°	4070
10°	4083
15°	4055
20°	4003
25°	3846
30°	3626
35°	3391
40°	3153
45°	2879
50°	2550
55°	2256
60°	1967
65°	1961
70°	2020
75°	2000
80°	1890
85°	1779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2879 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	4.2
10°-20°	109.6	12.1
20°-30°	158.8	17.6
30°-40°	172.7	19.1
40°-50°	155.6	17.2
50°-60°	115.1	12.8
60°-70°	81.7	9.1
70°-80°	54.0	6.0
80°-90°	16.5	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°	306.8	34.0
0°-40°	479.5	53.1
0°-60°	750.3	83.1
0°-90°	902.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	902.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	404	
5°	403	38
15°	389	110
25°	346	159
35°	276	173
45°	202	156
55°	128	115
65°	82	82
75°	51	54
85°	15	17
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	404.5
2.5°	404.5
5°	402.7
7.5°	401.0
10°	399.3
12.5°	394.2
15°	389.0
17.5°	382.2
20°	373.6
22.5°	359.9
25°	346.2
27.5°	330.8
30°	311.9
32.5°	294.8
35°	275.9
37.5°	258.8
40°	239.9
42.5°	221.1
45°	202.2
47.5°	183.4
50°	162.8
52.5°	145.7
55°	128.5
57.5°	111.4
60°	97.7
62.5°	89.1
65°	82.3
67.5°	75.4
70°	68.6
72.5°	60.0
75°	51.4
77.5°	42.8
80°	32.6
82.5°	24.0
85°	15.4
87.5°	5.1
90°	0.0

(END OF REPORT)