

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: P1504007

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-24)
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-OC (4000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

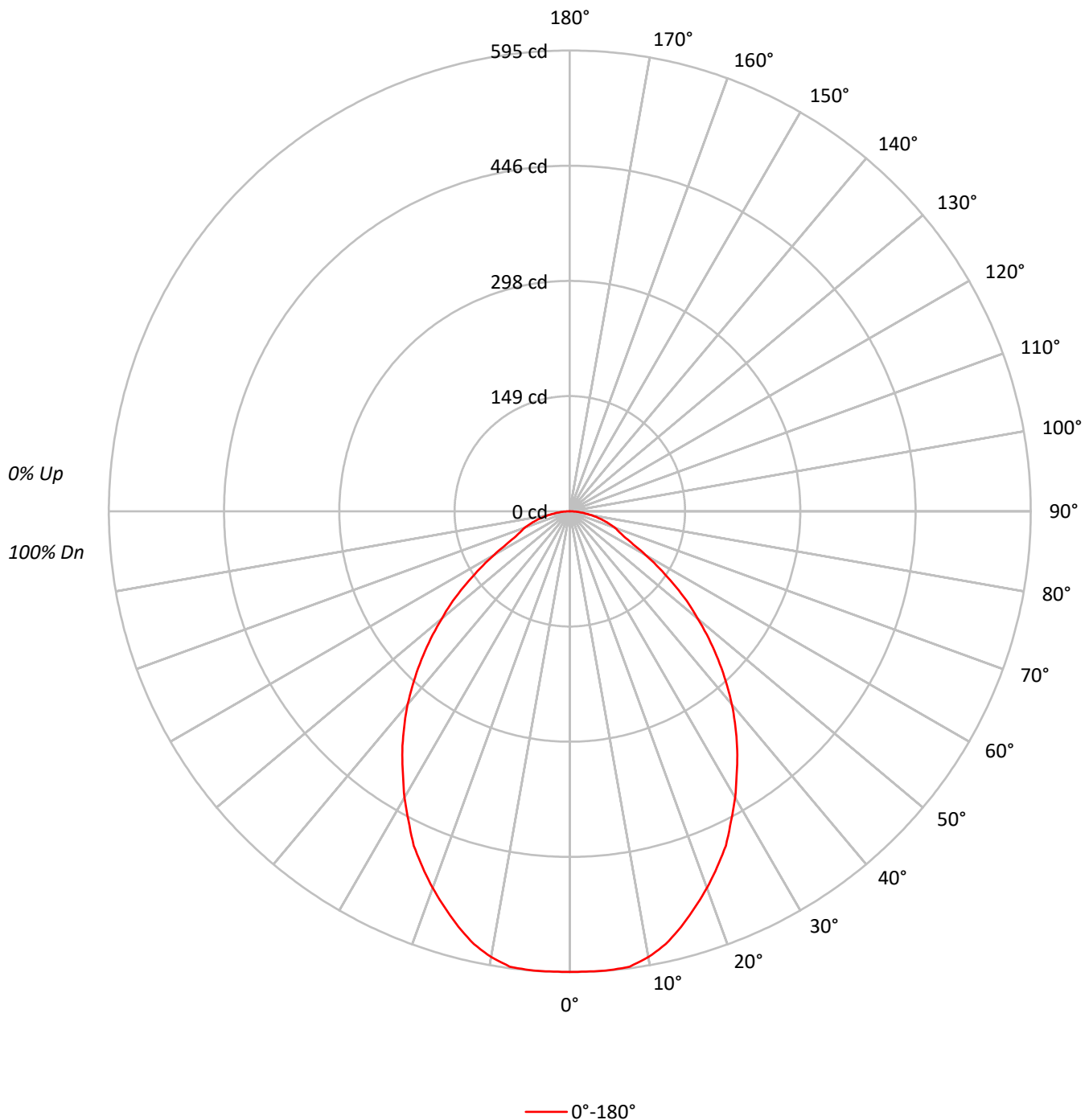
Lumens per Lamp: N/A
Luminaire Lumens: 1161.4 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	45		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	39	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5988
5°	6011
10°	5975
15°	5789
20°	5546
25°	5293
30°	4961
35°	4634
40°	4280
45°	3856
50°	3382
55°	2858
60°	2278
65°	1837
70°	1816
75°	1735
80°	1589
85°	1386

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3856 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	4.9
10°-20°	156.0	13.4
20°-30°	218.2	18.8
30°-40°	235.2	20.3
40°-50°	208.6	18.0
50°-60°	145.9	12.6
60°-70°	80.5	6.9
70°-80°	47.0	4.0
80°-90°	13.5	1.2
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°	430.7	37.1
0°-40°	665.9	57.3
0°-60°	1020.3	87.9
0°-90°	1161.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1161.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	595	
5°	595	56
15°	555	156
25°	476	218
35°	377	235
45°	271	209
55°	163	146
65°	77	80
75°	45	47
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	594.7
2.5°	594.7
5°	594.7
7.5°	593.0
10°	584.4
12.5°	572.4
15°	555.3
17.5°	536.4
20°	517.6
22.5°	497.0
25°	476.4
27.5°	450.7
30°	426.7
32.5°	401.0
35°	377.0
37.5°	351.3
40°	325.6
42.5°	298.2
45°	270.8
47.5°	243.4
50°	215.9
52.5°	190.2
55°	162.8
57.5°	137.1
60°	113.1
62.5°	92.5
65°	77.1
67.5°	68.6
70°	61.7
72.5°	53.1
75°	44.6
77.5°	36.0
80°	27.4
82.5°	18.9
85°	12.0
87.5°	5.1
90°	0.0

(END OF REPORT)