

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: P1504009

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OC (4000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504009
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-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

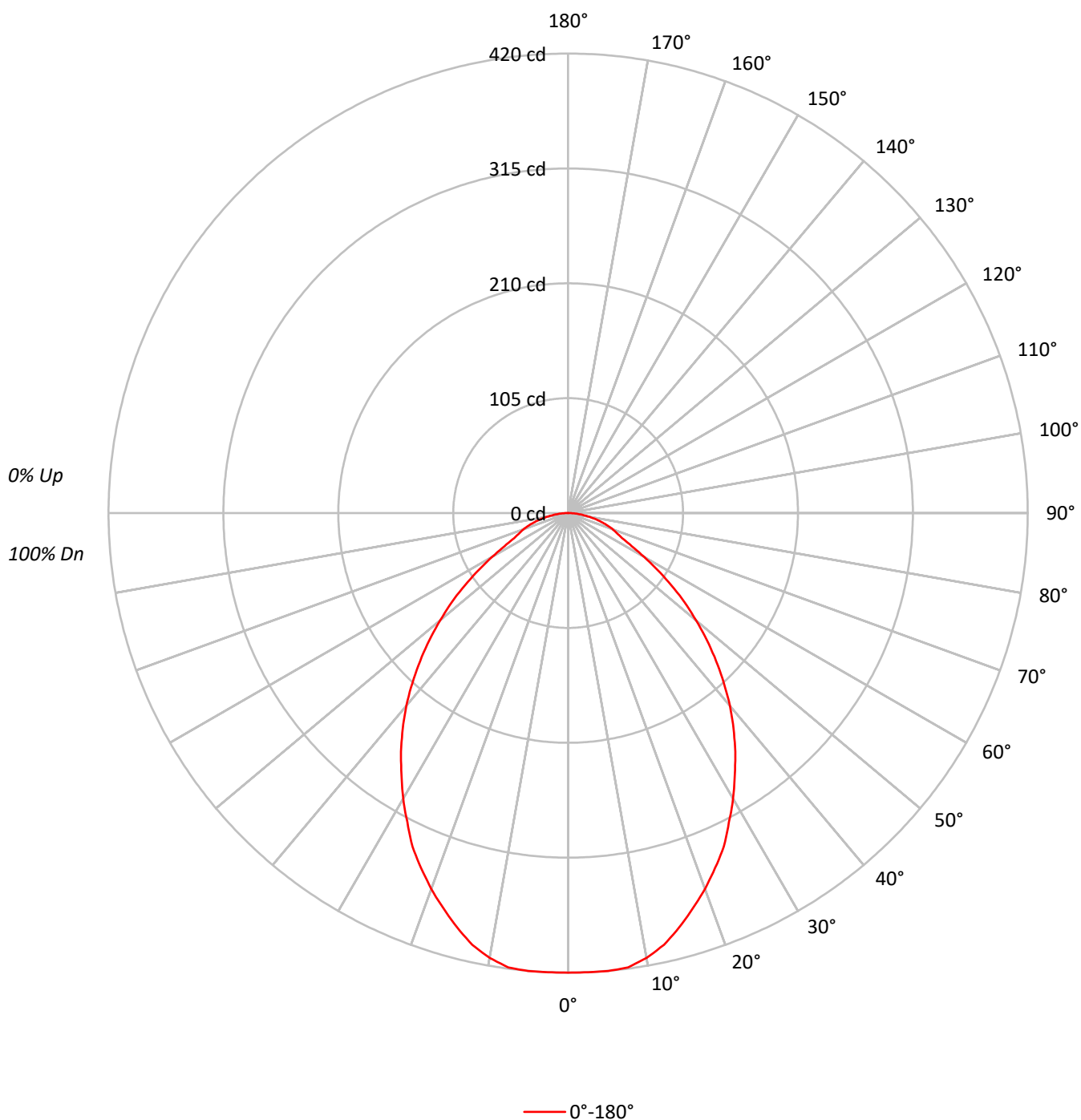
Lumens per Lamp: N/A
Luminaire Lumens: 820.4 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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°	4230
5°	4246
10°	4221
15°	4088
20°	3917
25°	3738
30°	3504
35°	3273
40°	3023
45°	2724
50°	2389
55°	2019
60°	1609
65°	1298
70°	1284
75°	1225
80°	1125
85°	982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2724 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	4.9
10°-20°	110.2	13.4
20°-30°	154.1	18.8
30°-40°	166.2	20.3
40°-50°	147.3	18.0
50°-60°	103.1	12.6
60°-70°	56.9	6.9
70°-80°	33.2	4.0
80°-90°	9.5	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°	304.2	37.1
0°-40°	470.4	57.3
0°-60°	720.7	87.9
0°-90°	820.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	420	40
15°	392	110
25°	336	154
35°	266	166
45°	191	147
55°	115	103
65°	54	57
75°	32	33
85°	8	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	420.1
2.5°	420.1
5°	420.1
7.5°	418.9
10°	412.8
12.5°	404.3
15°	392.2
17.5°	378.9
20°	365.6
22.5°	351.1
25°	336.5
27.5°	318.4
30°	301.4
32.5°	283.3
35°	266.3
37.5°	248.2
40°	230.0
42.5°	210.6
45°	191.3
47.5°	171.9
50°	152.5
52.5°	134.4
55°	115.0
57.5°	96.8
60°	79.9
62.5°	65.4
65°	54.5
67.5°	48.4
70°	43.6
72.5°	37.5
75°	31.5
77.5°	25.4
80°	19.4
82.5°	13.3
85°	8.5
87.5°	3.6
90°	0.0

(END OF REPORT)