

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: P1504135

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (2700K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504135
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-D2W-XXXX-BRSS-XX-OC (2700K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

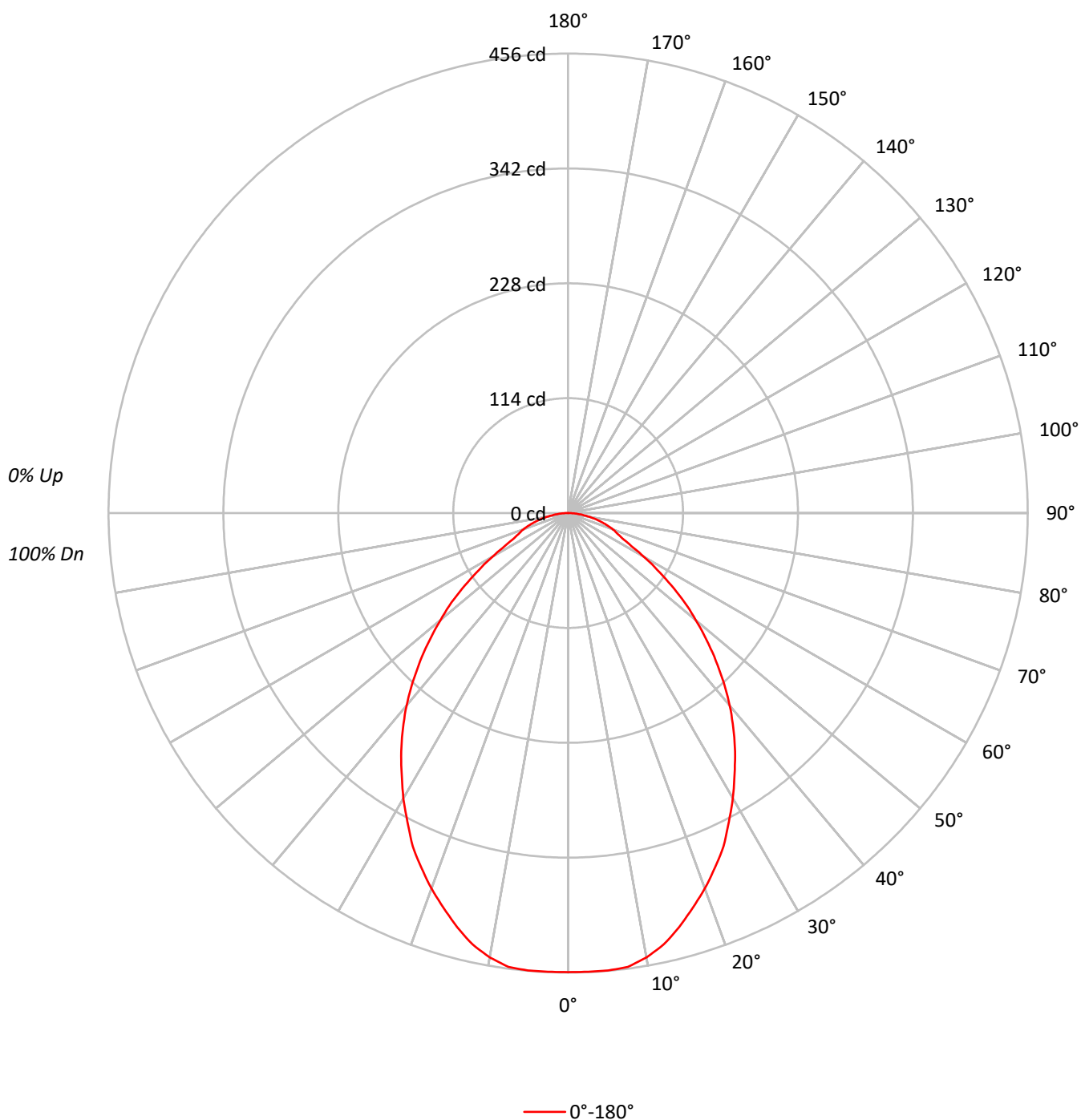
Lumens per Lamp: N/A
Luminaire Lumens: 889.7 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.5
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				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	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°	4587
5°	4605
10°	4577
15°	4434
20°	4249
25°	4055
30°	3801
35°	3550
40°	3279
45°	2953
50°	2591
55°	2189
60°	1746
65°	1408
70°	1393
75°	1327
80°	1218
85°	1063

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2953 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	4.9
10°-20°	119.5	13.4
20°-30°	167.2	18.8
30°-40°	180.2	20.3
40°-50°	159.7	18.0
50°-60°	111.8	12.6
60°-70°	61.7	6.9
70°-80°	36.0	4.0
80°-90°	10.3	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°	329.9	37.1
0°-40°	510.1	57.3
0°-60°	781.6	87.9
0°-90°	889.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	889.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	456	
5°	456	43
15°	425	119
25°	365	167
35°	289	180
45°	207	160
55°	125	112
65°	59	62
75°	34	36
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	455.6
2.5°	455.6
5°	455.6
7.5°	454.3
10°	447.7
12.5°	438.5
15°	425.4
17.5°	410.9
20°	396.5
22.5°	380.7
25°	365.0
27.5°	345.3
30°	326.9
32.5°	307.2
35°	288.8
37.5°	269.1
40°	249.5
42.5°	228.4
45°	207.4
47.5°	186.4
50°	165.4
52.5°	145.7
55°	124.7
57.5°	105.0
60°	86.7
62.5°	70.9
65°	59.1
67.5°	52.5
70°	47.3
72.5°	40.7
75°	34.1
77.5°	27.6
80°	21.0
82.5°	14.4
85°	9.2
87.5°	3.9
90°	0.0

(END OF REPORT)