

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: P1504147

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (5000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504147
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 (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

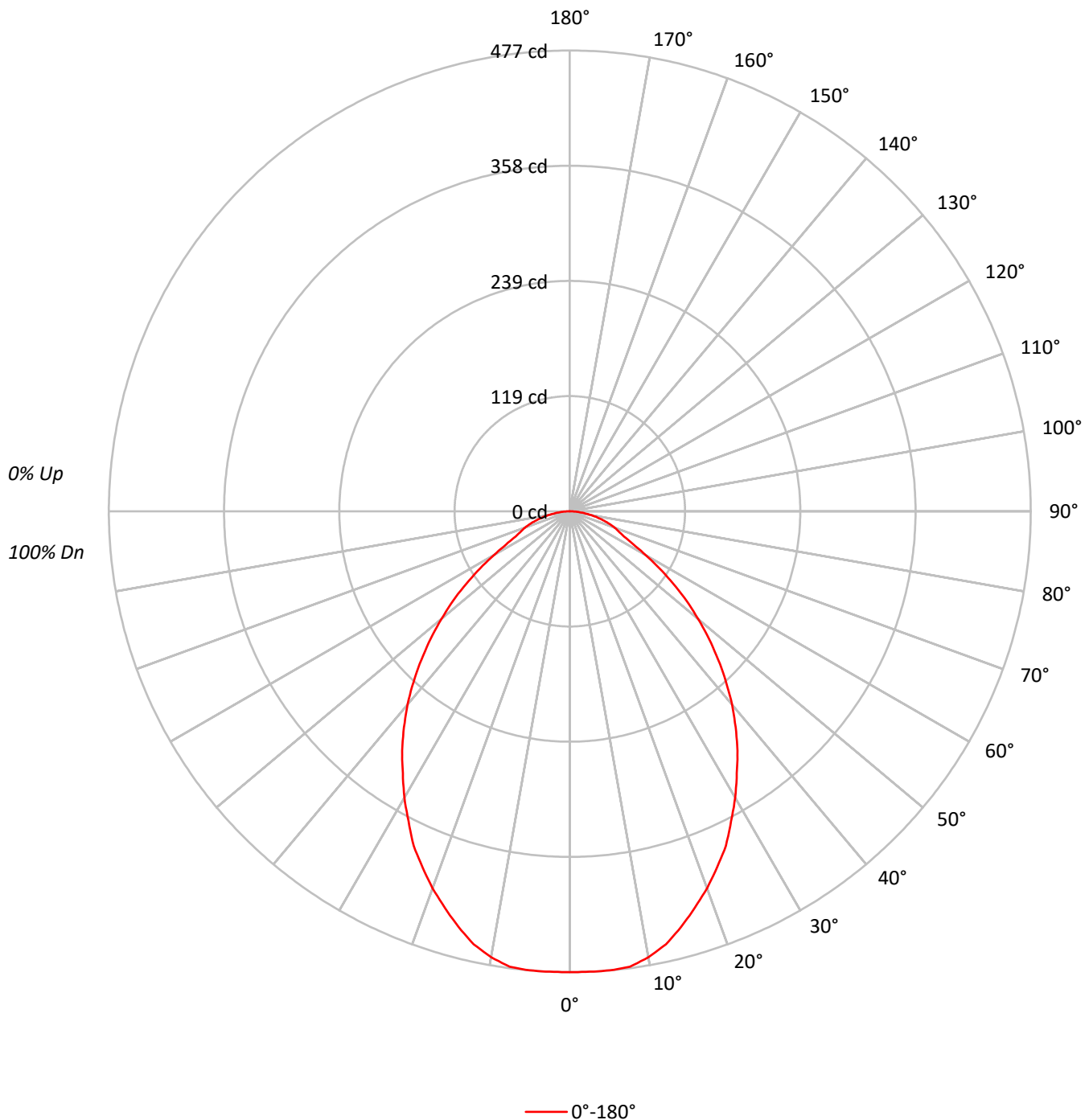
Lumens per Lamp: N/A
Luminaire Lumens: 931.5 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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			
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°	4803
5°	4821
10°	4792
15°	4642
20°	4448
25°	4245
30°	3980
35°	3717
40°	3433
45°	3093
50°	2713
55°	2293
60°	1827
65°	1475
70°	1457
75°	1389
80°	1276
85°	1109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	4.9
10°-20°	125.1	13.4
20°-30°	175.0	18.8
30°-40°	188.7	20.3
40°-50°	167.3	18.0
50°-60°	117.1	12.6
60°-70°	64.6	6.9
70°-80°	37.7	4.0
80°-90°	10.8	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°	345.4	37.1
0°-40°	534.1	57.3
0°-60°	818.4	87.9
0°-90°	931.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	477	
5°	477	45
15°	445	125
25°	382	175
35°	302	189
45°	217	167
55°	131	117
65°	62	65
75°	36	38
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	477.0
2.5°	477.0
5°	477.0
7.5°	475.6
10°	468.7
12.5°	459.1
15°	445.3
17.5°	430.2
20°	415.1
22.5°	398.6
25°	382.1
27.5°	361.5
30°	342.3
32.5°	321.6
35°	302.4
37.5°	281.8
40°	261.2
42.5°	239.2
45°	217.2
47.5°	195.2
50°	173.2
52.5°	152.6
55°	130.6
57.5°	110.0
60°	90.7
62.5°	74.2
65°	61.9
67.5°	55.0
70°	49.5
72.5°	42.6
75°	35.7
77.5°	28.9
80°	22.0
82.5°	15.1
85°	9.6
87.5°	4.1
90°	0.0

(END OF REPORT)