

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: P1504146

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504146
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-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

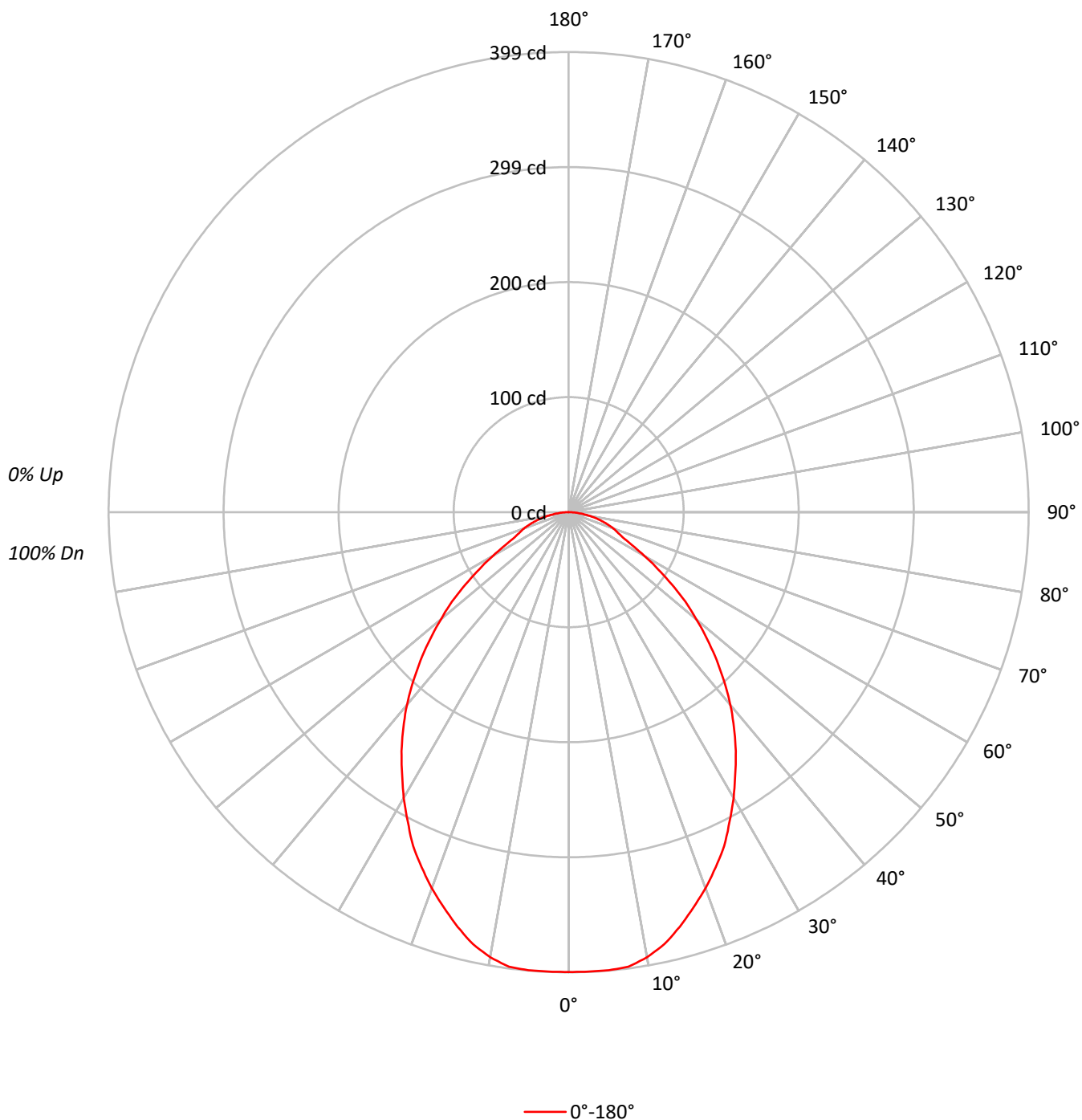
Lumens per Lamp: N/A
Luminaire Lumens: 778.5 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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°	4015
5°	4030
10°	4006
15°	3880
20°	3718
25°	3549
30°	3326
35°	3107
40°	2869
45°	2585
50°	2268
55°	1915
60°	1526
65°	1232
70°	1219
75°	1163
80°	1067
85°	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	4.9
10°-20°	104.6	13.4
20°-30°	146.3	18.8
30°-40°	157.7	20.3
40°-50°	139.8	18.0
50°-60°	97.8	12.6
60°-70°	54.0	6.9
70°-80°	31.5	4.0
80°-90°	9.0	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°	288.7	37.1
0°-40°	446.4	57.3
0°-60°	684.0	87.9
0°-90°	778.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	399	
5°	399	38
15°	372	105
25°	319	146
35°	253	158
45°	182	140
55°	109	98
65°	52	54
75°	30	32
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	398.7
2.5°	398.7
5°	398.7
7.5°	397.5
10°	391.8
12.5°	383.7
15°	372.2
17.5°	359.6
20°	347.0
22.5°	333.2
25°	319.4
27.5°	302.2
30°	286.1
32.5°	268.8
35°	252.8
37.5°	235.5
40°	218.3
42.5°	199.9
45°	181.5
47.5°	163.1
50°	144.8
52.5°	127.5
55°	109.1
57.5°	91.9
60°	75.8
62.5°	62.0
65°	51.7
67.5°	46.0
70°	41.4
72.5°	35.6
75°	29.9
77.5°	24.1
80°	18.4
82.5°	12.6
85°	8.0
87.5°	3.4
90°	0.0

(END OF REPORT)