

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: P1504005

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OC (3500K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504005
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 (3500K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

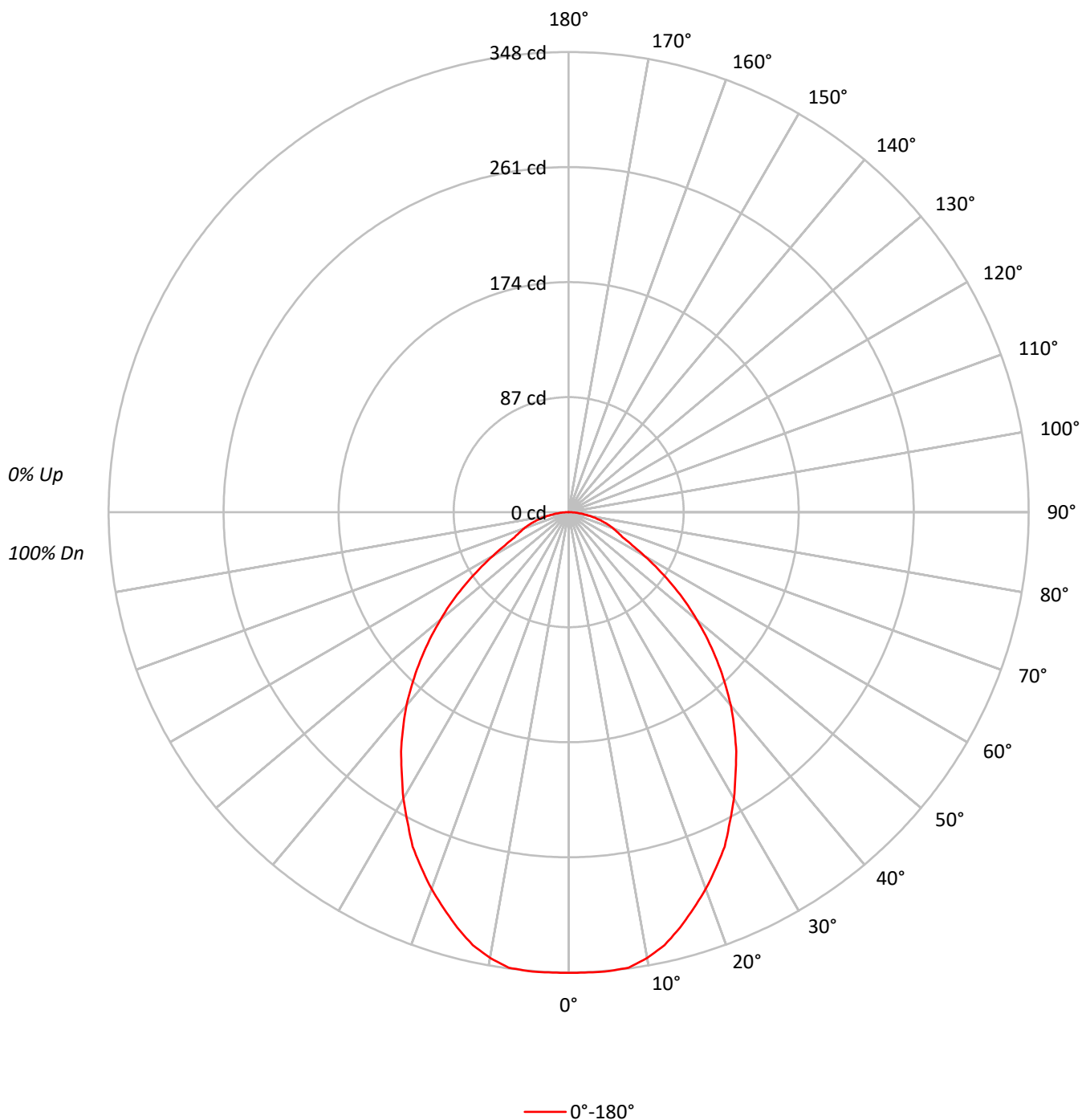
Lumens per Lamp: N/A
Luminaire Lumens: 680.3 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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°	3508
5°	3521
10°	3500
15°	3391
20°	3249
25°	3101
30°	2907
35°	2715
40°	2508
45°	2258
50°	1982
55°	1675
60°	1335
65°	1077
70°	1063
75°	1015
80°	934
85°	809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	4.9
10°-20°	91.4	13.4
20°-30°	127.8	18.8
30°-40°	137.8	20.3
40°-50°	122.2	18.0
50°-60°	85.5	12.6
60°-70°	47.2	6.9
70°-80°	27.5	4.0
80°-90°	7.9	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°	252.3	37.1
0°-40°	390.1	57.3
0°-60°	597.7	87.9
0°-90°	680.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	680.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	348	
5°	348	33
15°	325	91
25°	279	128
35°	221	138
45°	159	122
55°	95	85
65°	45	47
75°	26	28
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	348.4
2.5°	348.4
5°	348.4
7.5°	347.4
10°	342.3
12.5°	335.3
15°	325.3
17.5°	314.2
20°	303.2
22.5°	291.1
25°	279.1
27.5°	264.0
30°	250.0
32.5°	234.9
35°	220.9
37.5°	205.8
40°	190.8
42.5°	174.7
45°	158.6
47.5°	142.6
50°	126.5
52.5°	111.4
55°	95.4
57.5°	80.3
60°	66.3
62.5°	54.2
65°	45.2
67.5°	40.2
70°	36.1
72.5°	31.1
75°	26.1
77.5°	21.1
80°	16.1
82.5°	11.0
85°	7.0
87.5°	3.0
90°	0.0

(END OF REPORT)