

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: P1504011

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OC (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504011
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 (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
Ballast/Driver: ELECTRONIC DRIVER

Summary

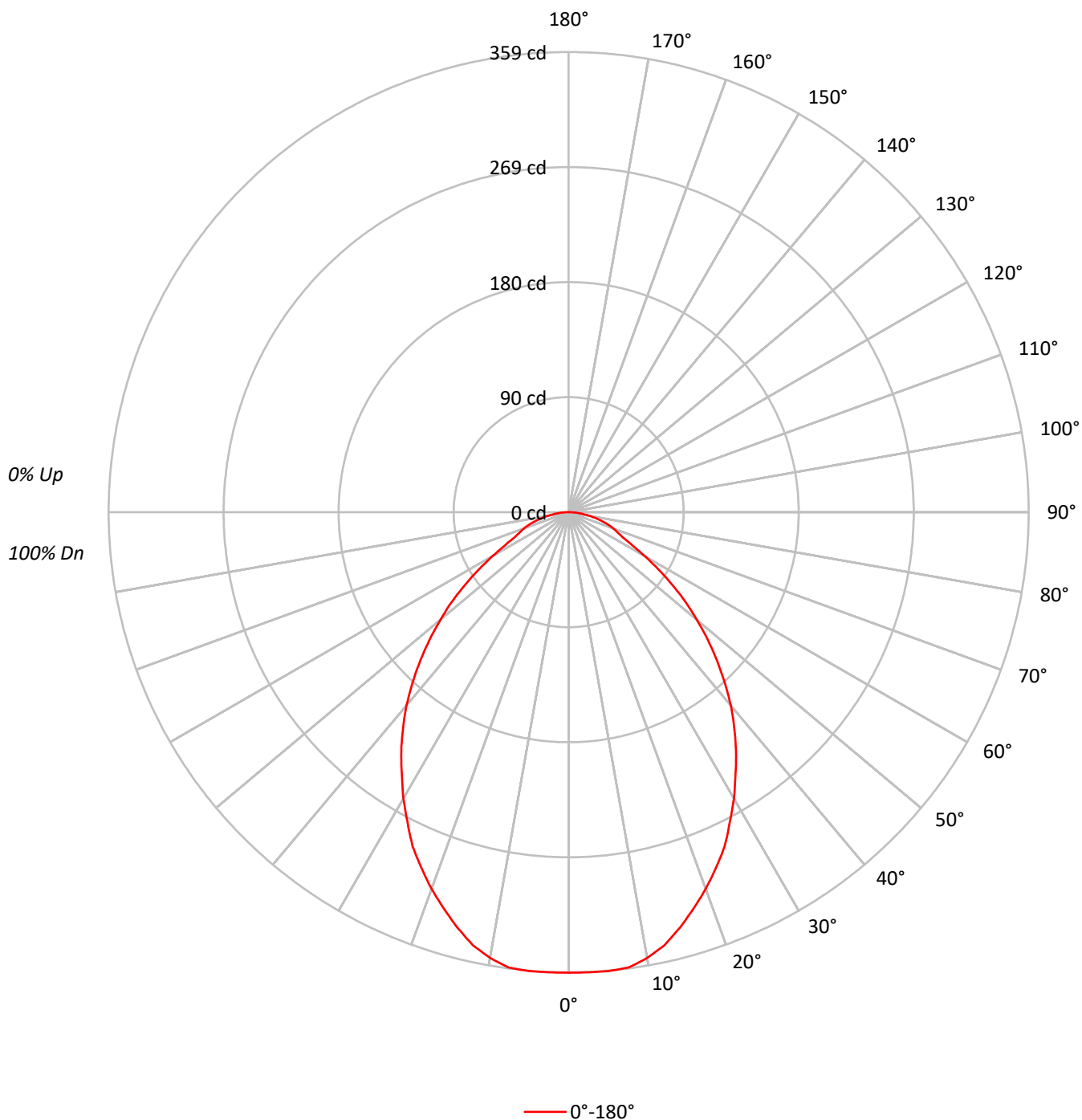
Lumens per Lamp: N/A
Luminaire Lumens: 701.7 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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				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°	3618
5°	3632
10°	3610
15°	3497
20°	3351
25°	3199
30°	2999
35°	2800
40°	2587
45°	2330
50°	2044
55°	1727
60°	1375
65°	1110
70°	1098
75°	1047
80°	963
85°	832

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	4.9
10°-20°	94.2	13.4
20°-30°	131.9	18.8
30°-40°	142.1	20.3
40°-50°	126.0	18.0
50°-60°	88.2	12.6
60°-70°	48.6	6.9
70°-80°	28.4	4.0
80°-90°	8.2	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°	260.2	37.1
0°-40°	402.4	57.3
0°-60°	616.6	87.9
0°-90°	701.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	701.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	359	
5°	359	34
15°	336	94
25°	288	132
35°	228	142
45°	164	126
55°	98	88
65°	47	49
75°	27	28
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	359.3
2.5°	359.3
5°	359.3
7.5°	358.3
10°	353.1
12.5°	345.9
15°	335.5
17.5°	324.1
20°	312.7
22.5°	300.3
25°	287.9
27.5°	272.4
30°	257.9
32.5°	242.3
35°	227.8
37.5°	212.3
40°	196.8
42.5°	180.2
45°	163.6
47.5°	147.1
50°	130.5
52.5°	114.9
55°	98.4
57.5°	82.8
60°	68.3
62.5°	55.9
65°	46.6
67.5°	41.4
70°	37.3
72.5°	32.1
75°	26.9
77.5°	21.7
80°	16.6
82.5°	11.4
85°	7.2
87.5°	3.1
90°	0.0

(END OF REPORT)