

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: P1504008

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OC (4000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504008
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 (4000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

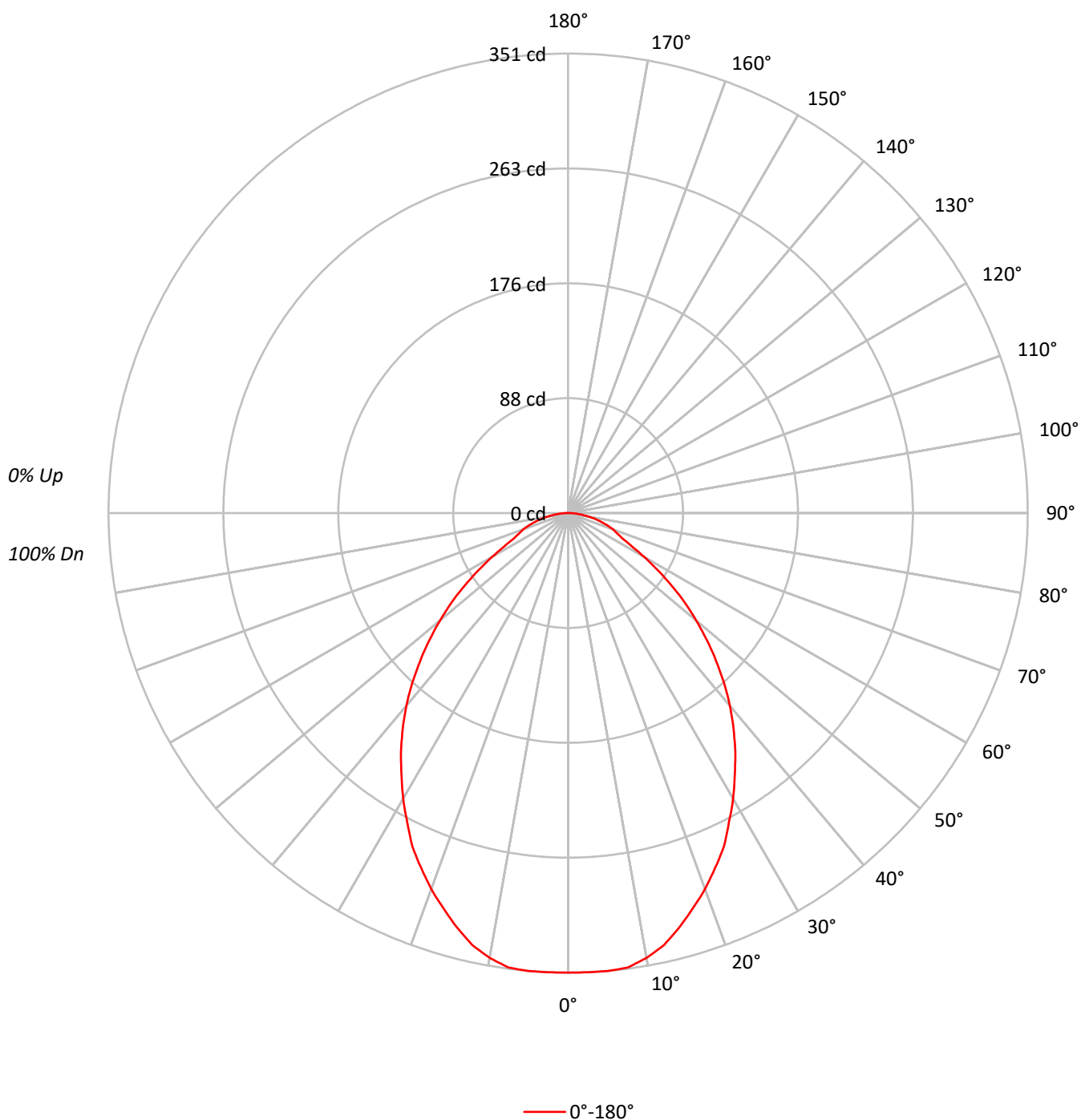
Lumens per Lamp: N/A
Luminaire Lumens: 685.7 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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°	3535
5°	3549
10°	3527
15°	3417
20°	3275
25°	3125
30°	2930
35°	2736
40°	2528
45°	2277
50°	1997
55°	1687
60°	1345
65°	1084
70°	1072
75°	1023
80°	939
85°	820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2277 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	4.9
10°-20°	92.1	13.4
20°-30°	128.8	18.8
30°-40°	138.9	20.3
40°-50°	123.1	18.0
50°-60°	86.1	12.6
60°-70°	47.5	6.9
70°-80°	27.7	4.0
80°-90°	8.0	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°	254.3	37.1
0°-40°	393.2	57.3
0°-60°	602.5	87.9
0°-90°	685.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	351	
5°	351	33
15°	328	92
25°	281	129
35°	223	139
45°	160	123
55°	96	86
65°	46	48
75°	26	28
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	351.1
2.5°	351.1
5°	351.1
7.5°	350.1
10°	345.0
12.5°	338.0
15°	327.8
17.5°	316.7
20°	305.6
22.5°	293.4
25°	281.3
27.5°	266.1
30°	252.0
32.5°	236.8
35°	222.6
37.5°	207.4
40°	192.3
42.5°	176.1
45°	159.9
47.5°	143.7
50°	127.5
52.5°	112.3
55°	96.1
57.5°	80.9
60°	66.8
62.5°	54.6
65°	45.5
67.5°	40.5
70°	36.4
72.5°	31.4
75°	26.3
77.5°	21.2
80°	16.2
82.5°	11.1
85°	7.1
87.5°	3.0
90°	0.0

(END OF REPORT)