

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: P1503731

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OC (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OC (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

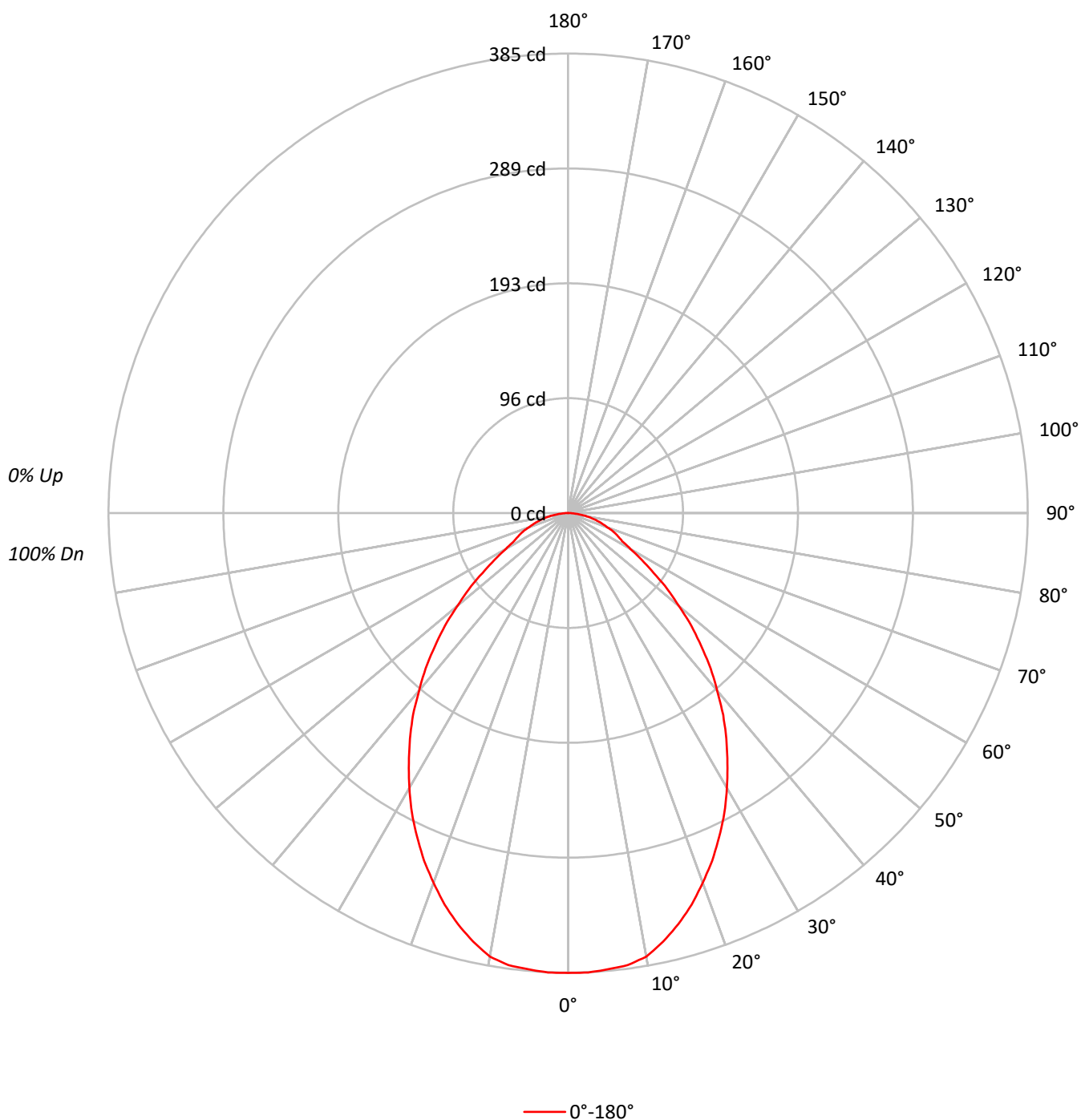
Lumens per Lamp: N/A
Luminaire Lumens: 699.8 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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					100			
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76					76			
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66					66			
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59					59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52					52			
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11881
5°	11877
10°	11814
15°	11384
20°	10816
25°	10183
30°	9468
35°	8692
40°	7817
45°	6873
50°	5805
55°	4710
60°	3731
65°	3371
70°	3156
75°	3038
80°	2824
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6873 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	5.2
10°-20°	100.1	14.3
20°-30°	137.5	19.6
30°-40°	144.0	20.6
40°-50°	121.6	17.4
50°-60°	79.5	11.4
60°-70°	46.1	6.6
70°-80°	26.9	3.8
80°-90°	7.8	1.1
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°	274.0	39.2
0°-40°	418.1	59.7
0°-60°	619.1	88.5
0°-90°	699.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	699.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	385	
5°	384	36
15°	357	100
25°	299	137
35°	231	144
45°	158	122
55°	88	79
65°	46	46
75°	26	27
85°	6	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	385.3
2.5°	385.3
5°	383.7
7.5°	382.1
10°	377.3
12.5°	367.8
15°	356.6
17.5°	343.9
20°	329.6
22.5°	315.2
25°	299.3
27.5°	283.4
30°	265.9
32.5°	248.4
35°	230.9
37.5°	213.3
40°	194.2
42.5°	176.7
45°	157.6
47.5°	140.1
50°	121.0
52.5°	105.1
55°	87.6
57.5°	73.2
60°	60.5
62.5°	50.9
65°	46.2
67.5°	41.4
70°	35.0
72.5°	30.2
75°	25.5
77.5°	20.7
80°	15.9
82.5°	11.1
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)