

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: P1503877

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-OC (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503877
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-D2W-XXXX-BRSS-XX-OC (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

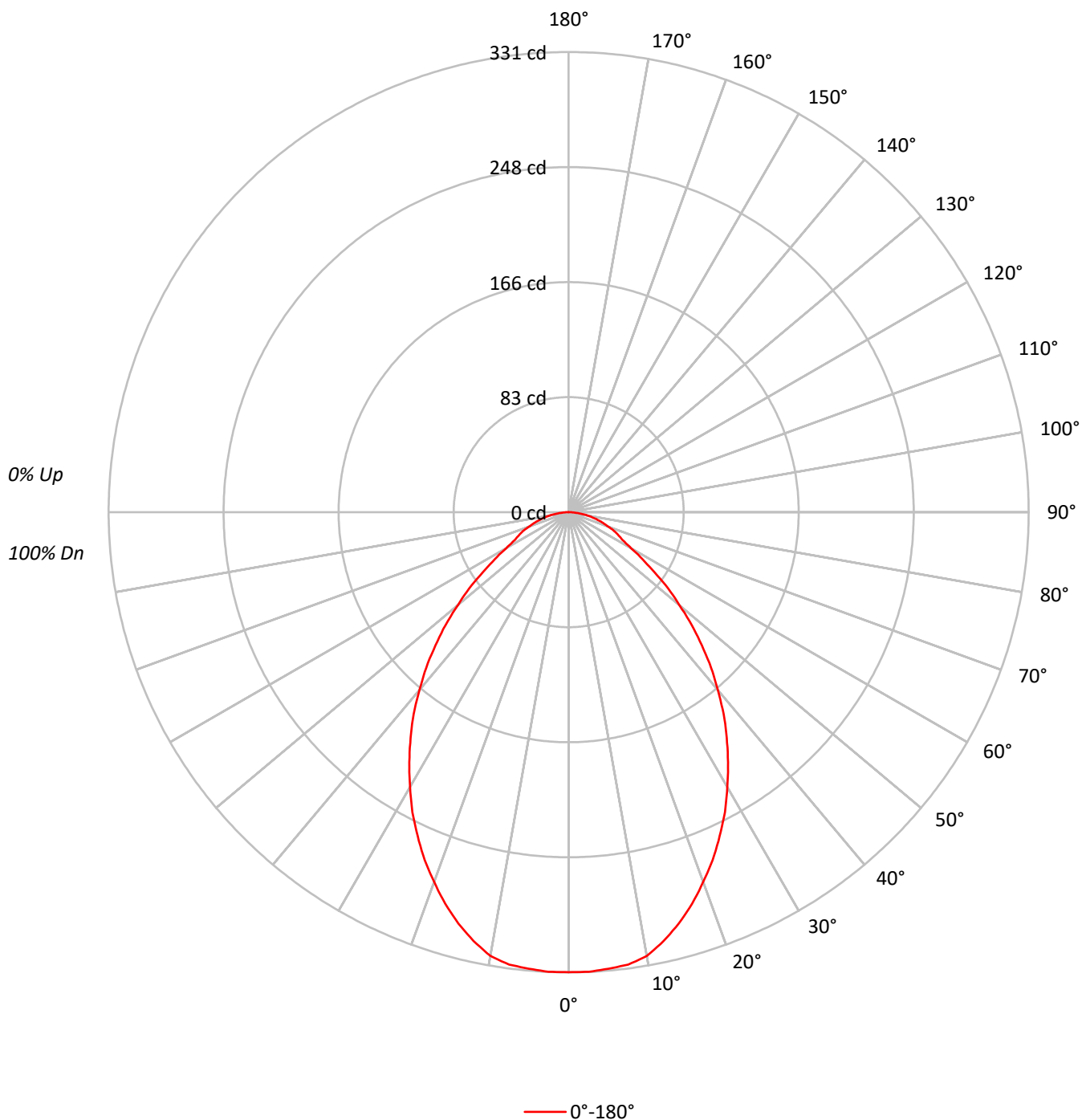
Lumens per Lamp: N/A
Luminaire Lumens: 601.2 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87	
C	2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	
R	3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66	
C	4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59	
R	5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	
C	6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47	
R	7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	
C	8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38	
R	9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	
C	10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10204
5°	10202
10°	10148
15°	9778
20°	9290
25°	8748
30°	8133
35°	7465
40°	6714
45°	5905
50°	4984
55°	4043
60°	3207
65°	2897
70°	2714
75°	2609
80°	2433
85°	1946

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5905 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	5.2
10°-20°	86.0	14.3
20°-30°	118.1	19.6
30°-40°	123.7	20.6
40°-50°	104.4	17.4
50°-60°	68.3	11.4
60°-70°	39.6	6.6
70°-80°	23.1	3.8
80°-90°	6.7	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°	235.4	39.2
0°-40°	359.1	59.7
0°-60°	531.8	88.5
0°-90°	601.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	331	
5°	330	31
15°	306	86
25°	257	118
35°	198	124
45°	135	104
55°	75	68
65°	40	40
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	330.9
2.5°	330.9
5°	329.6
7.5°	328.2
10°	324.1
12.5°	315.9
15°	306.3
17.5°	295.4
20°	283.1
22.5°	270.8
25°	257.1
27.5°	243.4
30°	228.4
32.5°	213.3
35°	198.3
37.5°	183.2
40°	166.8
42.5°	151.8
45°	135.4
47.5°	120.3
50°	103.9
52.5°	90.3
55°	75.2
57.5°	62.9
60°	52.0
62.5°	43.8
65°	39.7
67.5°	35.6
70°	30.1
72.5°	26.0
75°	21.9
77.5°	17.8
80°	13.7
82.5°	9.6
85°	5.5
87.5°	2.7
90°	0.0

(END OF REPORT)