

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: P1503751

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (3500K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-12)
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-OT (3500K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

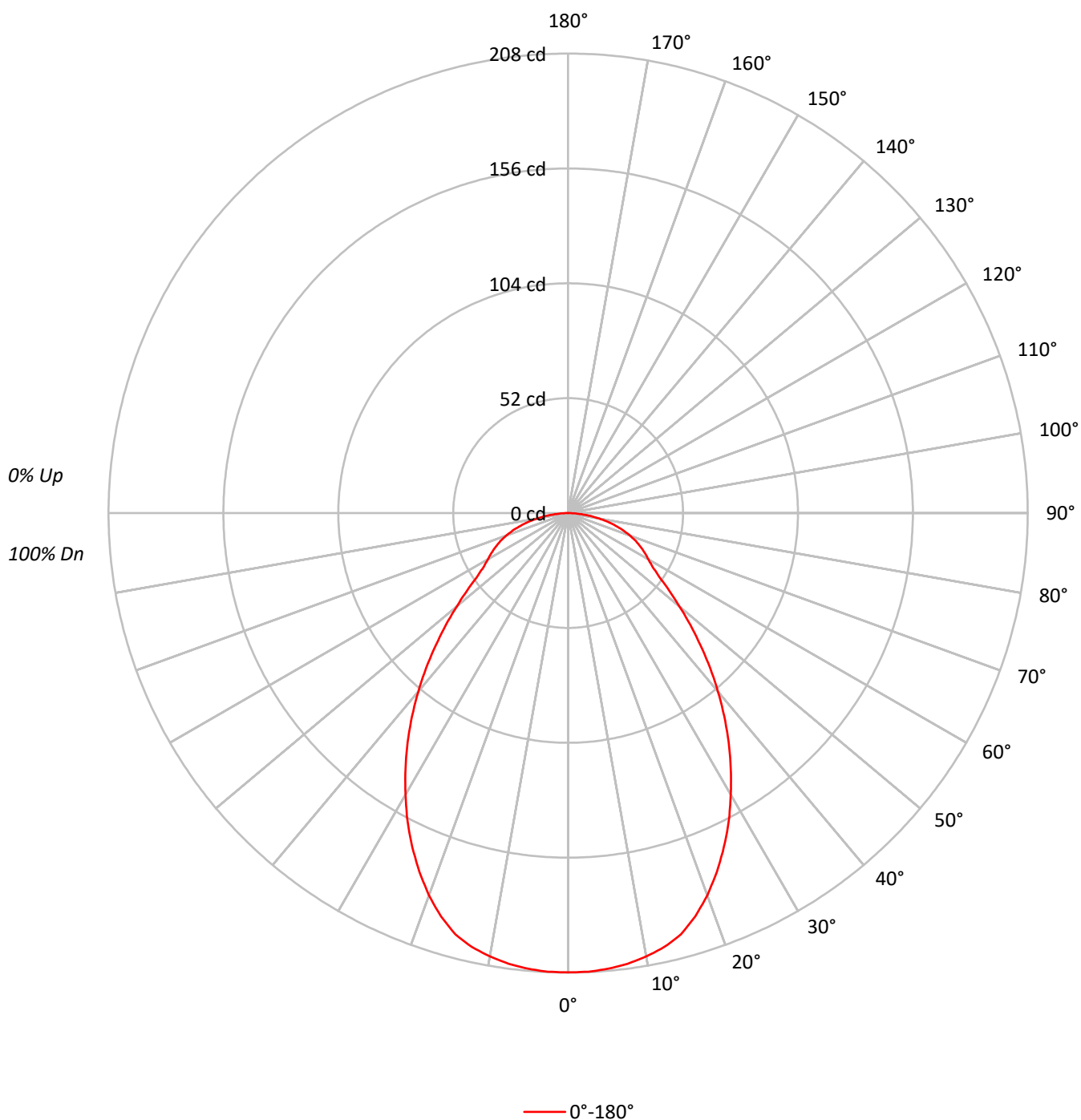
Lumens per Lamp: N/A
Luminaire Lumens: 408.2 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56		
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50		
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44		
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40		
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6411
5°	6411
10°	6381
15°	6302
20°	6041
25°	5675
30°	5241
35°	4766
40°	4247
45°	3689
50°	3152
55°	2704
60°	2584
65°	2641
70°	2678
75°	2657
80°	2522
85°	2123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3689 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	4.8
10°-20°	55.3	13.5
20°-30°	76.5	18.7
30°-40°	78.9	19.3
40°-50°	65.5	16.0
50°-60°	46.2	11.3
60°-70°	35.7	8.8
70°-80°	23.5	5.7
80°-90°	6.9	1.7
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°	151.5	37.1
0°-40°	230.4	56.4
0°-60°	342.1	83.8
0°-90°	408.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	408.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	208	
5°	207	20
15°	197	55
25°	167	77
35°	127	79
45°	85	65
55°	50	46
65°	36	36
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	207.9
2.5°	207.8
5°	207.1
7.5°	205.8
10°	203.8
12.5°	201.2
15°	197.4
17.5°	191.4
20°	184.1
22.5°	175.8
25°	166.8
27.5°	157.4
30°	147.2
32.5°	137.0
35°	126.6
37.5°	116.0
40°	105.5
42.5°	95.1
45°	84.6
47.5°	75.0
50°	65.7
52.5°	57.6
55°	50.3
57.5°	45.2
60°	41.9
62.5°	39.1
65°	36.2
67.5°	33.2
70°	29.7
72.5°	26.3
75°	22.3
77.5°	18.4
80°	14.2
82.5°	10.1
85°	6.0
87.5°	2.3
90°	0.0

(END OF REPORT)