

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: P1503685

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-14)
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-BRNZ-XX-OC (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

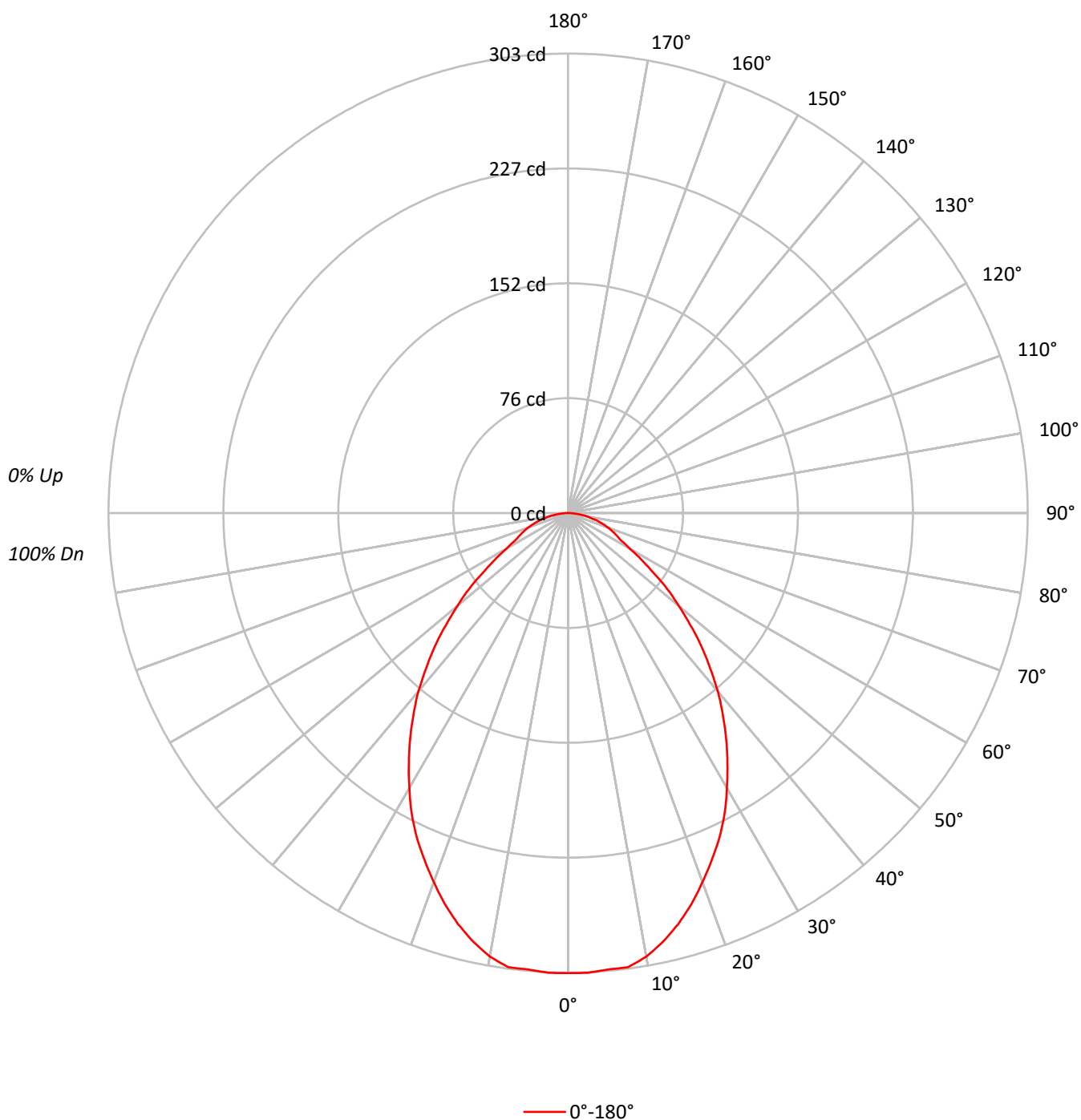
Lumens per Lamp: N/A
Luminaire Lumens: 549.6 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76			
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	88	77	69	64	85	76	69	63	73	67	62	71	66	61	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
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°	9356
5°	9351
10°	9300
15°	8955
20°	8496
25°	8033
30°	7456
35°	6832
40°	6183
45°	5425
50°	4567
55°	3683
60°	2899
65°	2590
70°	2515
75°	2419
80°	2255
85°	1804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5425 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	5.2
10°-20°	78.7	14.3
20°-30°	108.2	19.7
30°-40°	113.3	20.6
40°-50°	95.5	17.4
50°-60°	62.2	11.3
60°-70°	35.6	6.5
70°-80°	21.1	3.8
80°-90°	6.2	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°	215.7	39.2
0°-40°	329.0	59.9
0°-60°	486.7	88.6
0°-90°	549.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	303	
5°	302	29
15°	280	79
25°	236	108
35°	182	113
45°	124	95
55°	68	62
65°	36	36
75°	20	21
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	303.4
2.5°	303.4
5°	302.1
7.5°	302.1
10°	297.0
12.5°	289.4
15°	280.5
17.5°	270.4
20°	258.9
22.5°	247.5
25°	236.1
27.5°	223.4
30°	209.4
32.5°	195.5
35°	181.5
37.5°	167.5
40°	153.6
42.5°	138.3
45°	124.4
47.5°	109.2
50°	95.2
52.5°	82.5
55°	68.5
57.5°	57.1
60°	47.0
62.5°	39.3
65°	35.5
67.5°	31.7
70°	27.9
72.5°	24.1
75°	20.3
77.5°	15.2
80°	12.7
82.5°	8.9
85°	5.1
87.5°	2.5
90°	0.0

(END OF REPORT)