

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: P1503790

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-10)
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-WHTE-XX-OT (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

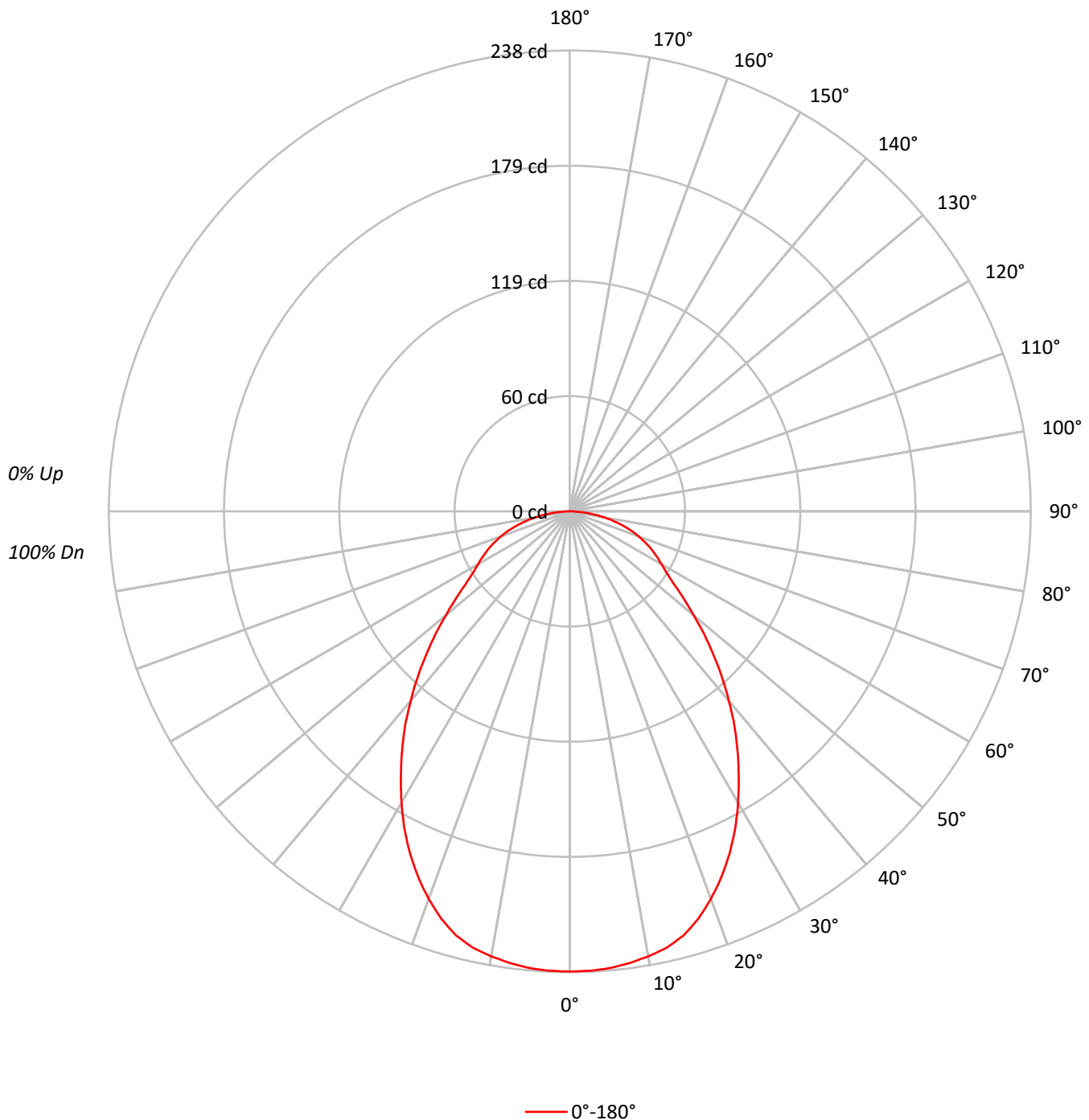
Lumens per Lamp: N/A
Luminaire Lumens: 495.2 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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			
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	99	96	99	96	93	95	92	90	91	89	87	85		
2	101	93	87	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63		
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	50	48		
6	73	61	53	46	72	60	52	46	58	51	46	57	50	46	55	49	45	43		
7	68	56	47	42	67	55	47	42	53	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32		
10	57	44	36	31	55	43	36	31	42	36	31	42	35	31	41	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7330
5°	7330
10°	7308
15°	7240
20°	6990
25°	6638
30°	6188
35°	5684
40°	5140
45°	4579
50°	4001
55°	3527
60°	3373
65°	3400
70°	3408
75°	3372
80°	3179
85°	2724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4579 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	4.5
10°-20°	63.6	12.8
20°-30°	89.5	18.1
30°-40°	94.3	19.0
40°-50°	81.1	16.4
50°-60°	59.9	12.1
60°-70°	46.0	9.3
70°-80°	29.7	6.0
80°-90°	8.8	1.8
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°	175.6	35.4
0°-40°	269.8	54.5
0°-60°	410.7	82.9
0°-90°	495.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	238	
5°	237	22
15°	227	64
25°	195	89
35°	151	94
45°	105	81
55°	66	60
65°	47	46
75°	28	30
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	237.7
2.5°	237.5
5°	236.8
7.5°	235.3
10°	233.4
12.5°	230.9
15°	226.8
17.5°	220.6
20°	213.0
22.5°	204.5
25°	195.1
27.5°	184.8
30°	173.8
32.5°	162.3
35°	151.0
37.5°	139.7
40°	127.7
42.5°	116.4
45°	105.0
47.5°	94.1
50°	83.4
52.5°	74.1
55°	65.6
57.5°	59.3
60°	54.7
62.5°	50.5
65°	46.6
67.5°	42.3
70°	37.8
72.5°	33.3
75°	28.3
77.5°	23.1
80°	17.9
82.5°	12.8
85°	7.7
87.5°	3.0
90°	0.0

(END OF REPORT)