

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: P1504143

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (4000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (4000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

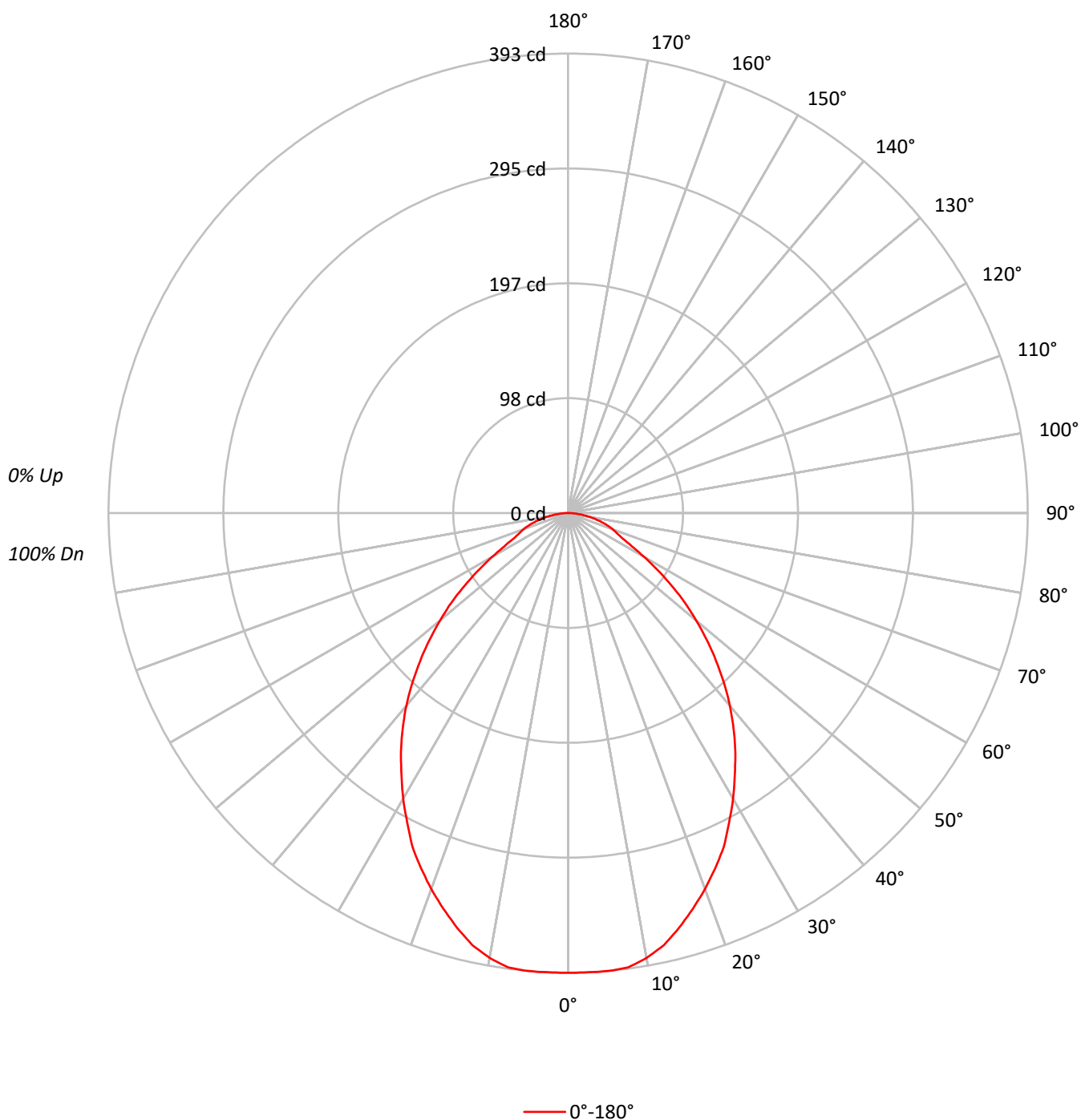
Lumens per Lamp: N/A
Luminaire Lumens: 767.9 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	45		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	39	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3959
5°	3974
10°	3951
15°	3827
20°	3667
25°	3500
30°	3280
35°	3064
40°	2830
45°	2549
50°	2237
55°	1889
60°	1506
65°	1215
70°	1201
75°	1148
80°	1050
85°	913

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	4.9
10°-20°	103.1	13.4
20°-30°	144.3	18.8
30°-40°	155.5	20.3
40°-50°	137.9	18.0
50°-60°	96.5	12.6
60°-70°	53.2	6.9
70°-80°	31.1	4.0
80°-90°	8.9	1.2
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°	284.7	37.1
0°-40°	440.3	57.3
0°-60°	674.6	87.9
0°-90°	767.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	393	
5°	393	37
15°	367	103
25°	315	144
35°	249	156
45°	179	138
55°	108	96
65°	51	53
75°	30	31
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	393.2
2.5°	393.2
5°	393.2
7.5°	392.0
10°	386.4
12.5°	378.4
15°	367.1
17.5°	354.7
20°	342.2
22.5°	328.6
25°	315.0
27.5°	298.0
30°	282.1
32.5°	265.1
35°	249.3
37.5°	232.3
40°	215.3
42.5°	197.2
45°	179.0
47.5°	160.9
50°	142.8
52.5°	125.8
55°	107.6
57.5°	90.6
60°	74.8
62.5°	61.2
65°	51.0
67.5°	45.3
70°	40.8
72.5°	35.1
75°	29.5
77.5°	23.8
80°	18.1
82.5°	12.5
85°	7.9
87.5°	3.4
90°	0.0

(END OF REPORT)