

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: P1504161

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OT (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-21)
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-OT (5000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

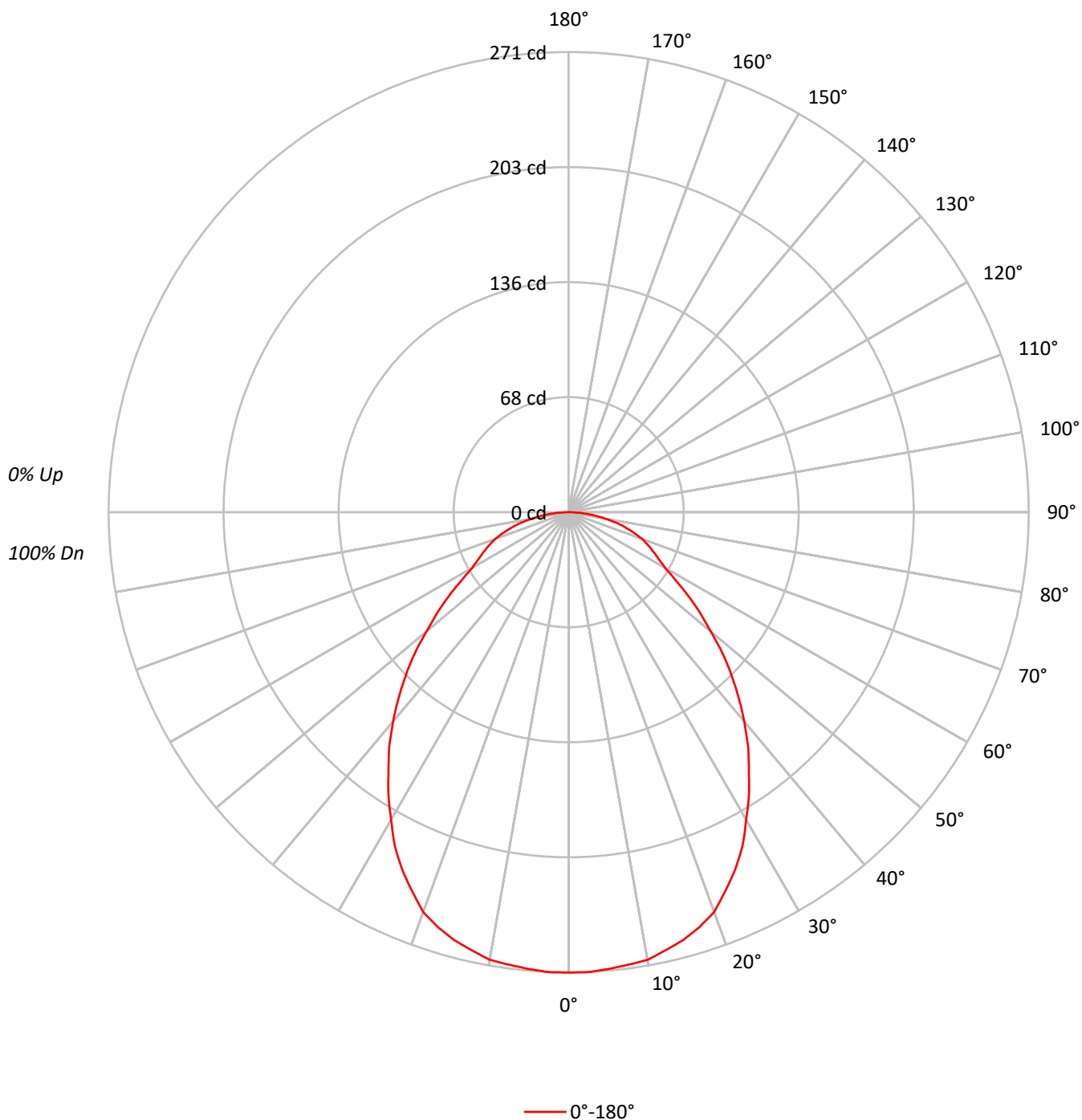
Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62		
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54		
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	46	58	51	45	56	50	45	54	49	44	42		
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38		
8	64	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2730
5°	2729
10°	2737
15°	2719
20°	2684
25°	2579
30°	2431
35°	2274
40°	2114
45°	1931
50°	1709
55°	1513
60°	1319
65°	1313
70°	1354
75°	1342
80°	1264
85°	1190

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1931 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	4.2
10°-20°	73.5	12.1
20°-30°	106.5	17.6
30°-40°	115.8	19.1
40°-50°	104.3	17.2
50°-60°	77.2	12.8
60°-70°	54.8	9.1
70°-80°	36.2	6.0
80°-90°	11.1	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°	205.7	34.0
0°-40°	321.4	53.1
0°-60°	503.0	83.1
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	271	
5°	270	26
15°	261	73
25°	232	106
35°	185	116
45°	136	104
55°	86	77
65°	55	55
75°	34	36
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	271.1
2.5°	271.1
5°	270.0
7.5°	268.8
10°	267.7
12.5°	264.2
15°	260.8
17.5°	256.2
20°	250.5
22.5°	241.3
25°	232.1
27.5°	221.7
30°	209.1
32.5°	197.6
35°	185.0
37.5°	173.5
40°	160.8
42.5°	148.2
45°	135.6
47.5°	122.9
50°	109.1
52.5°	97.7
55°	86.2
57.5°	74.7
60°	65.5
62.5°	59.7
65°	55.1
67.5°	50.6
70°	46.0
72.5°	40.2
75°	34.5
77.5°	28.7
80°	21.8
82.5°	16.1
85°	10.3
87.5°	3.4
90°	0.0

(END OF REPORT)