

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: P1504027

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (5000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504027
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-010-XXXX-BRSS-XX-OT (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

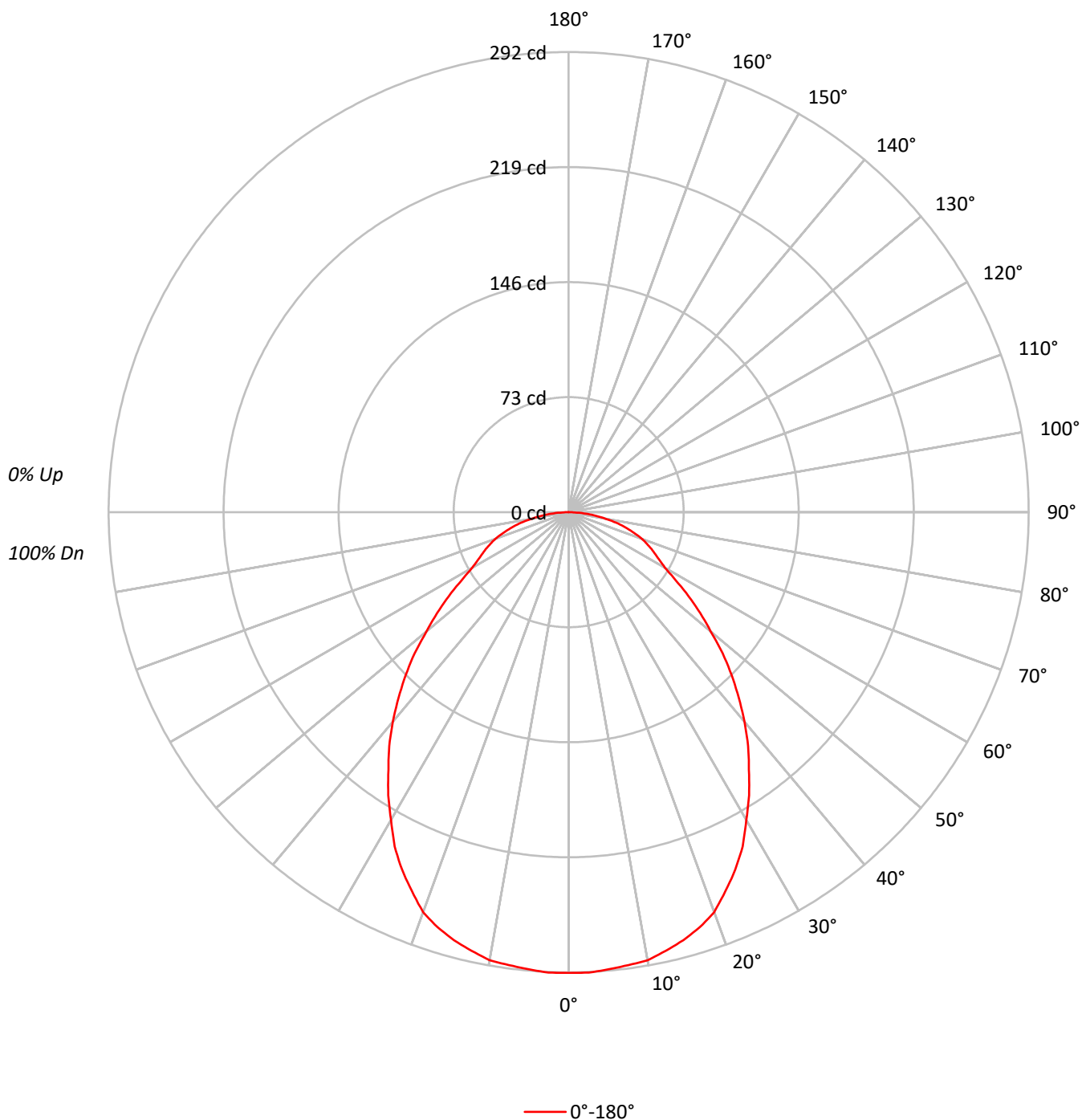
Lumens per Lamp: N/A
Luminaire Lumens: 652.5 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.4
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	50	30	10	50	30	10		
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°	2944
5°	2943
10°	2952
15°	2931
20°	2894
25°	2781
30°	2622
35°	2452
40°	2281
45°	2082
50°	1844
55°	1631
60°	1422
65°	1418
70°	1460
75°	1447
80°	1363
85°	1294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2082 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	4.2
10°-20°	79.2	12.1
20°-30°	114.8	17.6
30°-40°	124.9	19.1
40°-50°	112.5	17.2
50°-60°	83.2	12.8
60°-70°	59.1	9.1
70°-80°	39.1	6.0
80°-90°	12.0	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°	221.8	34.0
0°-40°	346.7	53.1
0°-60°	542.4	83.1
0°-90°	652.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	292	
5°	291	28
15°	281	79
25°	250	115
35°	200	125
45°	146	113
55°	93	83
65°	60	59
75°	37	39
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	292.4
2.5°	292.4
5°	291.2
7.5°	289.9
10°	288.7
12.5°	285.0
15°	281.2
17.5°	276.3
20°	270.1
22.5°	260.2
25°	250.3
27.5°	239.1
30°	225.5
32.5°	213.1
35°	199.5
37.5°	187.1
40°	173.5
42.5°	159.8
45°	146.2
47.5°	132.6
50°	117.7
52.5°	105.3
55°	92.9
57.5°	80.5
60°	70.6
62.5°	64.4
65°	59.5
67.5°	54.5
70°	49.6
72.5°	43.4
75°	37.2
77.5°	31.0
80°	23.5
82.5°	17.3
85°	11.2
87.5°	3.7
90°	0.0

(END OF REPORT)