

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: P1504132

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (5000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-18)
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-ND (5000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

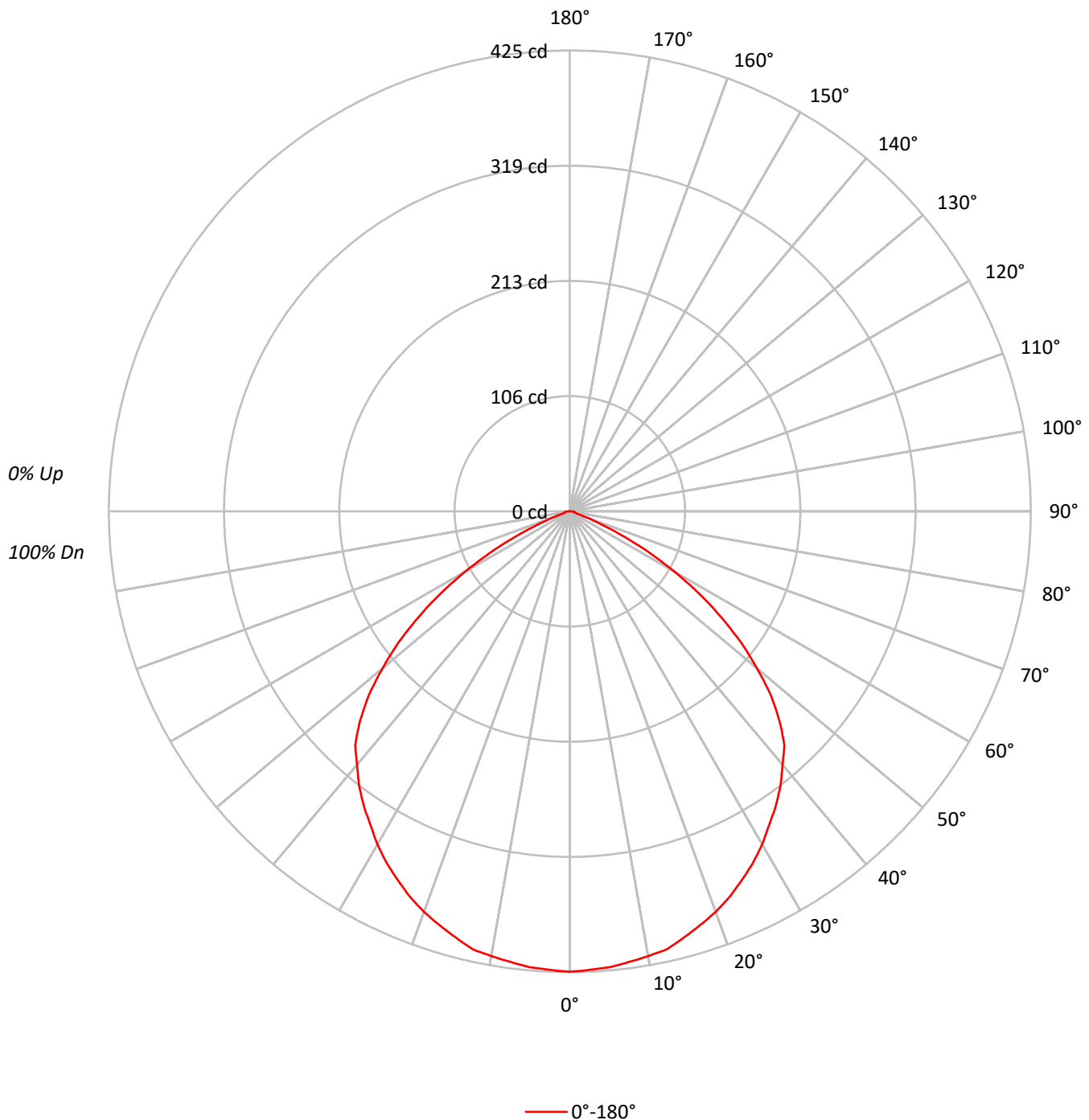
Lumens per Lamp: N/A
Luminaire Lumens: 962.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 9.5
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

TEST NUMBER: P1504132

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (5000K-900LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1504132

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (5000K-900LM)

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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67		
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	54	64	58	54	63	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40		
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36		
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4276
5°	4265
10°	4258
15°	4242
20°	4212
25°	4168
30°	4123
35°	4072
40°	4010
45°	3895
50°	3531
55°	2991
60°	2241
65°	1310
70°	403
75°	214
80°	238
85°	312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3895 cd/sqm

TEST NUMBER: P1504132

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (5000K-900LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	4.2
10°-20°	114.8	11.9
20°-30°	173.0	18.0
30°-40°	207.1	21.5
40°-50°	208.8	21.7
50°-60°	151.5	15.7
60°-70°	56.8	5.9
70°-80°	7.1	0.7
80°-90°	2.8	0.3
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°	327.9	34.1
0°-40°	535.0	55.6
0°-60°	895.3	93.1
0°-90°	962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	425	
5°	422	40
15°	407	115
25°	375	173
35°	331	207
45°	274	209
55°	170	151
65°	55	57
75°	6	7
85°	3	3
90°	0	

TEST NUMBER: P1504132

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (5000K-900LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	424.7
2.5°	423.3
5°	422.0
7.5°	419.2
10°	416.5
12.5°	413.7
15°	406.9
17.5°	400.0
20°	393.1
22.5°	384.9
25°	375.2
27.5°	365.6
30°	354.6
32.5°	342.3
35°	331.3
37.5°	318.9
40°	305.1
42.5°	292.8
45°	273.5
47.5°	251.5
50°	225.4
52.5°	199.3
55°	170.4
57.5°	141.6
60°	111.3
62.5°	82.5
65°	55.0
67.5°	31.6
70°	13.7
72.5°	6.9
75°	5.5
77.5°	5.5
80°	4.1
82.5°	4.1
85°	2.7
87.5°	1.4
90°	0.0

(END OF REPORT)