

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: P1503976

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (3500K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-20)
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-BRNZ-XX-OT (3500K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

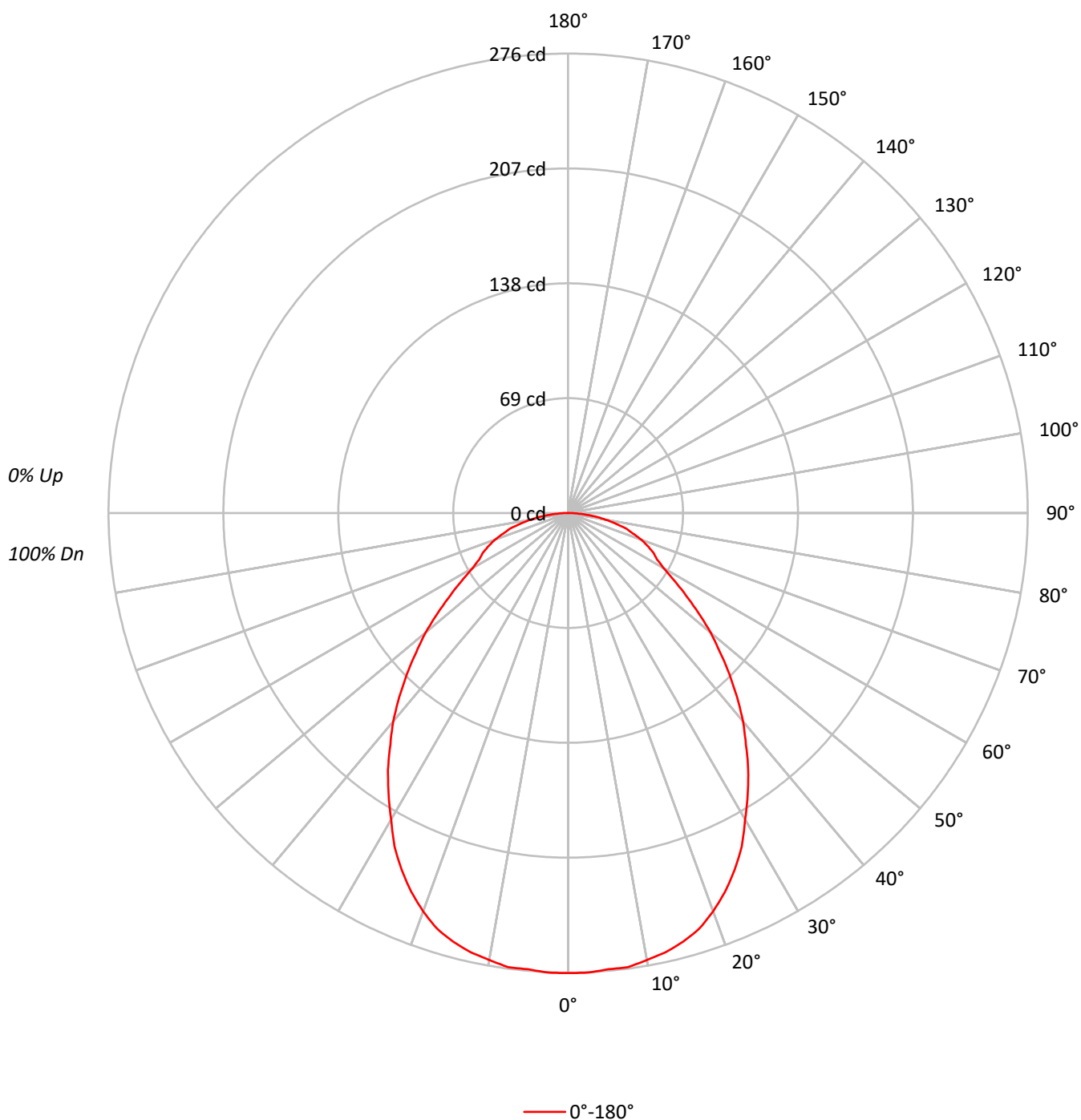
Lumens per Lamp: N/A
Luminaire Lumens: 615.2 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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: P1503976

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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	0
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		98	95	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		55	49	44	43
7	68	55	47	41		66	54	46	41		53	46	41		51	45	40		50	44	40	38
8	64	51	43	37		62	50	42	37		49	42	37		47	41	36		46	41	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	36	31		42	35	30		41	35	30		40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2782
5°	2781
10°	2787
15°	2779
20°	2728
25°	2629
30°	2472
35°	2318
40°	2146
45°	1949
50°	1750
55°	1518
60°	1331
65°	1346
70°	1378
75°	1401
80°	1322
85°	1109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1949 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	4.3
10°-20°	75.0	12.2
20°-30°	108.5	17.6
30°-40°	117.6	19.1
40°-50°	105.6	17.2
50°-60°	78.0	12.7
60°-70°	55.6	9.0
70°-80°	37.0	6.0
80°-90°	11.6	1.9
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°	209.7	34.1
0°-40°	327.3	53.2
0°-60°	510.9	83.1
0°-90°	615.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	276	
5°	275	26
15°	267	75
25°	237	108
35°	189	118
45°	137	106
55°	86	78
65°	56	56
75°	36	37
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	276.3
2.5°	276.3
5°	275.1
7.5°	275.1
10°	272.6
12.5°	270.2
15°	266.6
17.5°	261.8
20°	254.6
22.5°	246.2
25°	236.6
27.5°	225.8
30°	212.6
32.5°	200.6
35°	188.6
37.5°	175.4
40°	163.3
42.5°	150.1
45°	136.9
47.5°	123.7
50°	111.7
52.5°	98.5
55°	86.5
57.5°	75.7
60°	66.1
62.5°	60.1
65°	56.5
67.5°	51.6
70°	46.8
72.5°	40.8
75°	36.0
77.5°	28.8
80°	22.8
82.5°	16.8
85°	9.6
87.5°	4.8
90°	0.0

(END OF REPORT)