

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: P1504113

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504113
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-D2W-XXXX-BRNZ-XX-OT (4000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

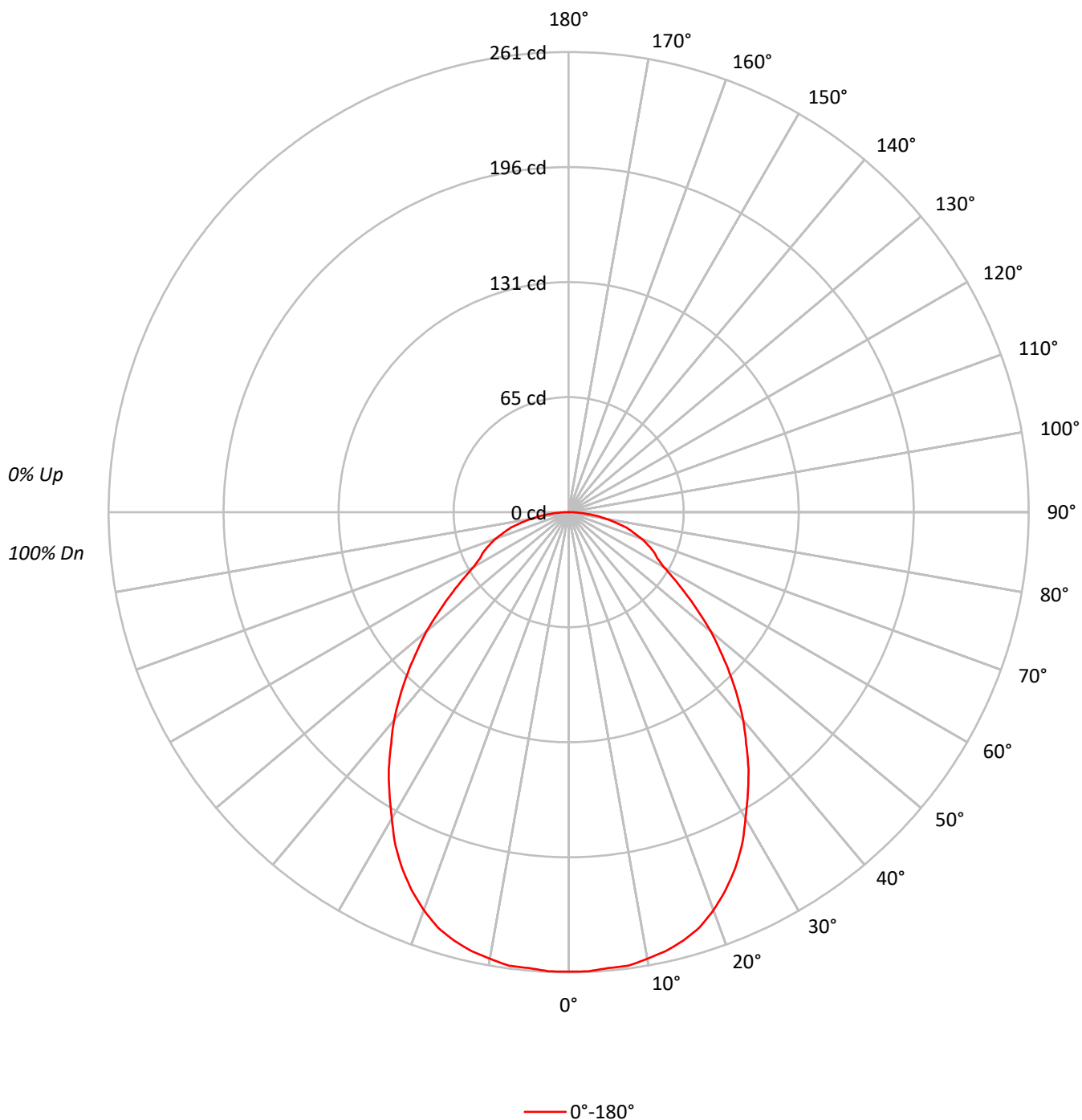
Lumens per Lamp: N/A
Luminaire Lumens: 580.4 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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	
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	
1	109	105	101	97		107	103	99	96		98	95	93		95	92	90		91	89	87	
2	100	93	86	81		98	91	85	80		87	82	78		84	80	76		81	78	75	
3	92	82	75	69		90	81	74	68		78	72	67		75	70	66		73	68	65	
4	85	74	65	59		83	72	65	59		70	63	58		68	62	57		66	61	56	
5	79	66	58	52		77	65	57	51		63	56	51		61	55	50		60	54	50	
6	73	60	52	46		71	59	51	46		58	51	45		56	50	45		54	49	44	
7	68	55	47	41		66	54	46	41		53	46	41		51	45	40		50	44	40	
8	64	51	43	37		62	50	42	37		49	42	37		47	41	36		46	41	36	
9	60	47	39	34		58	46	39	33		45	38	33		44	38	33		43	37	33	
10	56	43	36	31		55	43	36	31		42	35	30		41	35	30		40	34	30	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2624
5°	2623
10°	2630
15°	2622
20°	2574
25°	2480
30°	2332
35°	2187
40°	2026
45°	1840
50°	1651
55°	1432
60°	1255
65°	1270
70°	1301
75°	1323
80°	1247
85°	1051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	4.3
10°-20°	70.8	12.2
20°-30°	102.3	17.6
30°-40°	110.9	19.1
40°-50°	99.6	17.2
50°-60°	73.6	12.7
60°-70°	52.5	9.0
70°-80°	35.0	6.0
80°-90°	10.9	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°	197.8	34.1
0°-40°	308.8	53.2
0°-60°	482.0	83.0
0°-90°	580.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	261	
5°	260	25
15°	252	71
25°	223	102
35°	178	111
45°	129	100
55°	82	74
65°	53	52
75°	34	35
85°	9	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	260.6
2.5°	260.6
5°	259.5
7.5°	259.5
10°	257.2
12.5°	254.9
15°	251.5
17.5°	247.0
20°	240.2
22.5°	232.3
25°	223.2
27.5°	213.0
30°	200.6
32.5°	189.2
35°	177.9
37.5°	165.4
40°	154.1
42.5°	141.6
45°	129.2
47.5°	116.7
50°	105.4
52.5°	92.9
55°	81.6
57.5°	71.4
60°	62.3
62.5°	56.7
65°	53.3
67.5°	48.7
70°	44.2
72.5°	38.5
75°	34.0
77.5°	27.2
80°	21.5
82.5°	15.9
85°	9.1
87.5°	4.5
90°	0.0

(END OF REPORT)