

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: P1504152

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OT (3000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504152
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 (3000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

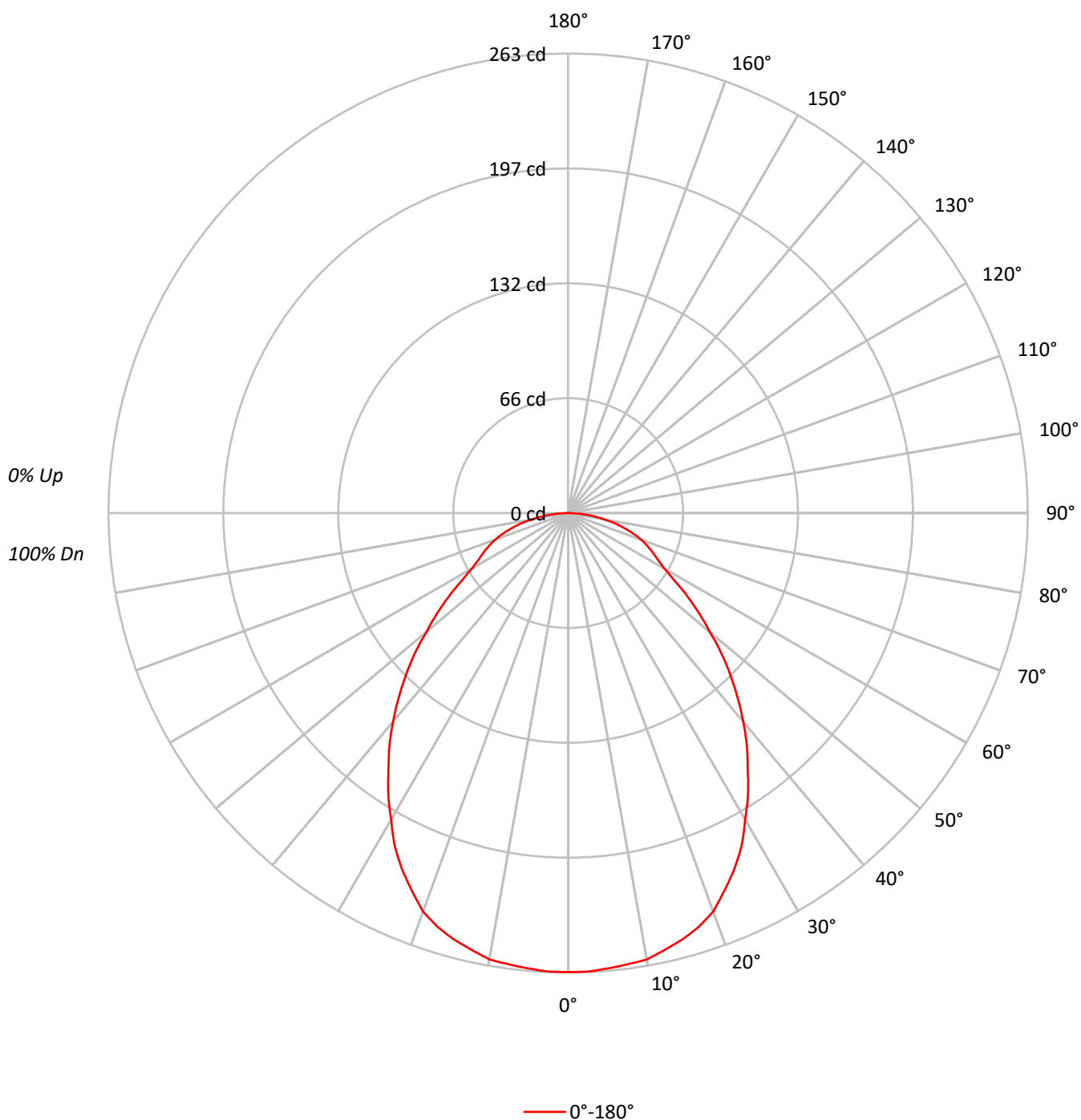
Lumens per Lamp: N/A
Luminaire Lumens: 586.3 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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		99	96	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	42	37		62	50	42	37		49	42	37		47	41	36		46	40	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	35	31		42	35	30		41	35	30		40	34	30	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2645
5°	2644
10°	2652
15°	2634
20°	2601
25°	2499
30°	2356
35°	2203
40°	2049
45°	1871
50°	1657
55°	1466
60°	1279
65°	1272
70°	1310
75°	1299
80°	1229
85°	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	4.2
10°-20°	71.2	12.1
20°-30°	103.2	17.6
30°-40°	112.2	19.1
40°-50°	101.1	17.2
50°-60°	74.8	12.8
60°-70°	53.1	9.1
70°-80°	35.1	6.0
80°-90°	10.7	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°	199.3	34.0
0°-40°	311.5	53.1
0°-60°	487.4	83.1
0°-90°	586.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	263	
5°	262	25
15°	253	71
25°	225	103
35°	179	112
45°	131	101
55°	84	75
65°	53	53
75°	33	35
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	262.7
2.5°	262.7
5°	261.6
7.5°	260.5
10°	259.4
12.5°	256.0
15°	252.7
17.5°	248.3
20°	242.7
22.5°	233.8
25°	224.9
27.5°	214.9
30°	202.6
32.5°	191.5
35°	179.2
37.5°	168.1
40°	155.9
42.5°	143.6
45°	131.4
47.5°	119.1
50°	105.8
52.5°	94.6
55°	83.5
57.5°	72.4
60°	63.5
62.5°	57.9
65°	53.4
67.5°	49.0
70°	44.5
72.5°	39.0
75°	33.4
77.5°	27.8
80°	21.2
82.5°	15.6
85°	10.0
87.5°	3.3
90°	0.0

(END OF REPORT)