

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: P1504115

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (5000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504115
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 (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

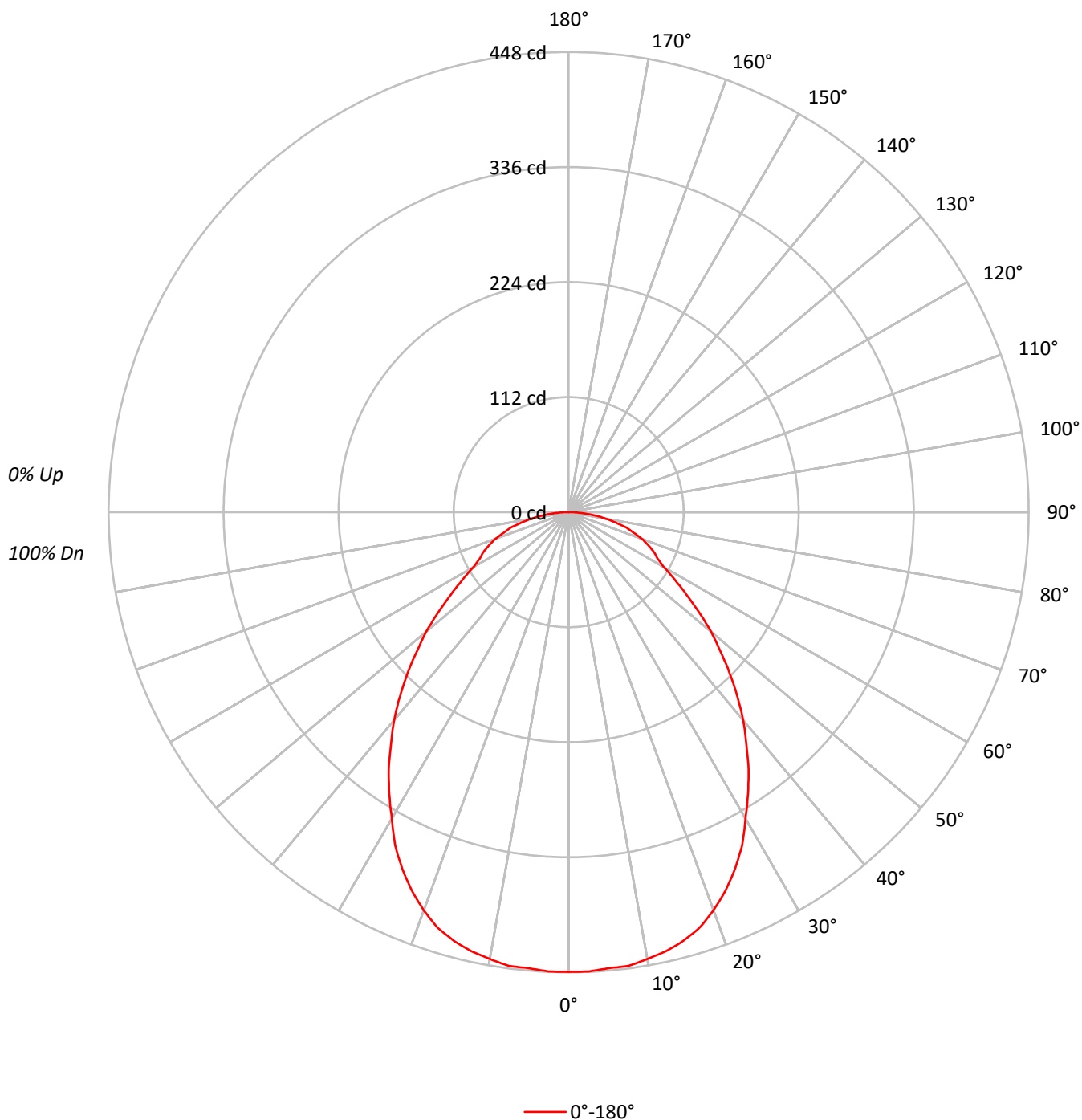
Lumens per Lamp: N/A
Luminaire Lumens: 996.7 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.9
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	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	54	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°	4507
5°	4504
10°	4516
15°	4503
20°	4420
25°	4258
30°	4004
35°	3755
40°	3478
45°	3158
50°	2835
55°	2459
60°	2155
65°	2180
70°	2234
75°	2272
80°	2145
85°	1802

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3158 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	4.3
10°-20°	121.6	12.2
20°-30°	175.7	17.6
30°-40°	190.5	19.1
40°-50°	171.1	17.2
50°-60°	126.4	12.7
60°-70°	90.1	9.0
70°-80°	60.1	6.0
80°-90°	18.8	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°	339.8	34.1
0°-40°	530.2	53.2
0°-60°	827.7	83.0
0°-90°	996.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	448	
5°	446	42
15°	432	122
25°	383	176
35°	306	190
45°	222	171
55°	140	126
65°	92	90
75°	58	60
85°	16	19
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	447.6
2.5°	447.6
5°	445.6
7.5°	445.6
10°	441.7
12.5°	437.8
15°	432.0
17.5°	424.2
20°	412.5
22.5°	398.9
25°	383.3
27.5°	365.8
30°	344.4
32.5°	325.0
35°	305.5
37.5°	284.1
40°	264.6
42.5°	243.2
45°	221.8
47.5°	200.4
50°	181.0
52.5°	159.6
55°	140.1
57.5°	122.6
60°	107.0
62.5°	97.3
65°	91.5
67.5°	83.7
70°	75.9
72.5°	66.2
75°	58.4
77.5°	46.7
80°	37.0
82.5°	27.2
85°	15.6
87.5°	7.8
90°	0.0

(END OF REPORT)