

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: P1504109

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (3500K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504109
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 (3500K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

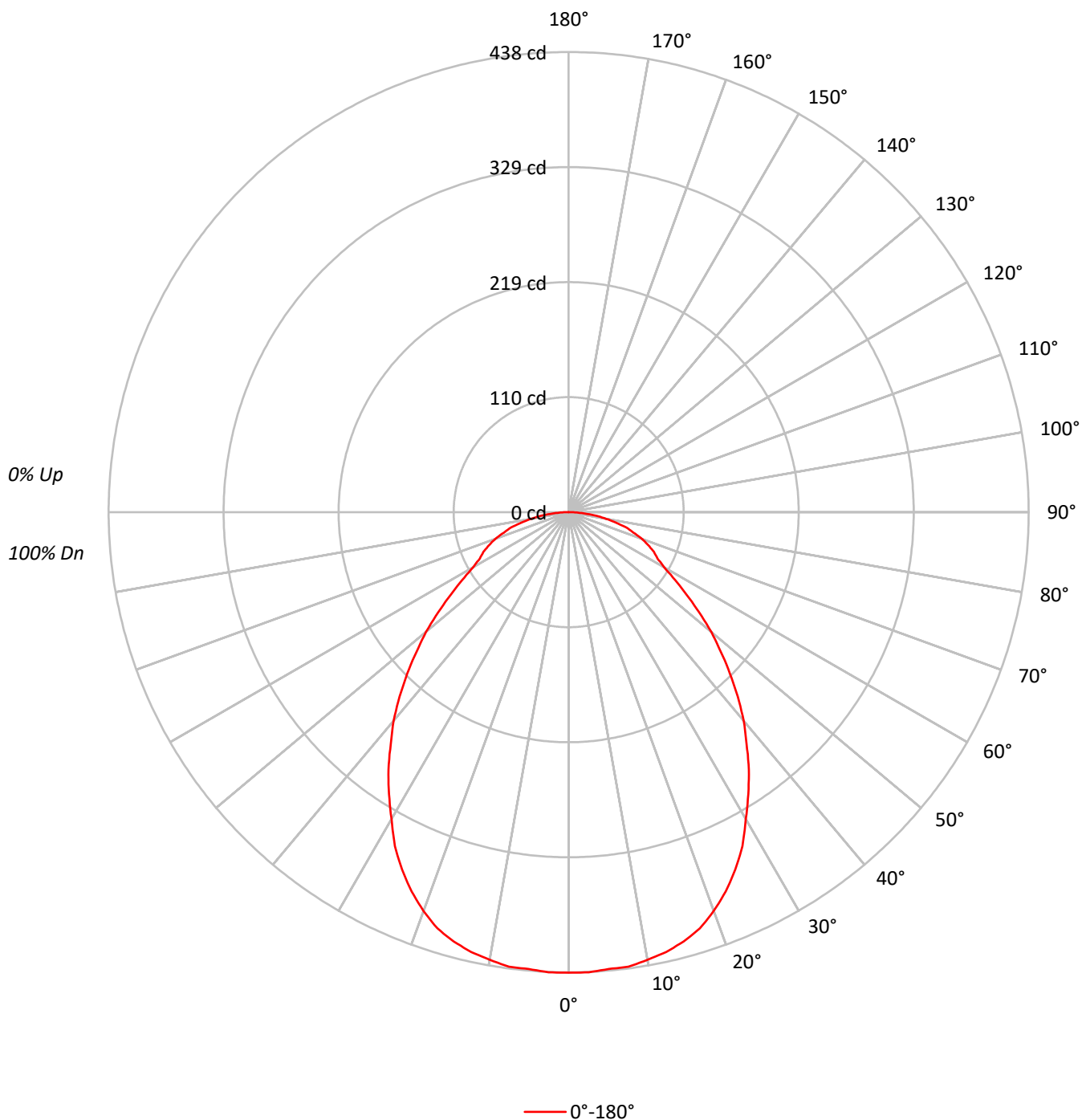
Lumens per Lamp: N/A
Luminaire Lumens: 976.1 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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	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°	4413
5°	4411
10°	4423
15°	4409
20°	4329
25°	4171
30°	3922
35°	3678
40°	3407
45°	3093
50°	2776
55°	2409
60°	2110
65°	2135
70°	2187
75°	2225
80°	2099
85°	1756

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	4.3
10°-20°	119.0	12.2
20°-30°	172.1	17.6
30°-40°	186.5	19.1
40°-50°	167.5	17.2
50°-60°	123.8	12.7
60°-70°	88.2	9.0
70°-80°	58.8	6.0
80°-90°	18.4	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°	332.8	34.1
0°-40°	519.3	53.2
0°-60°	810.6	83.0
0°-90°	976.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	976.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	438	
5°	436	42
15°	423	119
25°	375	172
35°	299	187
45°	217	168
55°	137	124
65°	90	88
75°	57	59
85°	15	18
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	438.3
2.5°	438.3
5°	436.4
7.5°	436.4
10°	432.6
12.5°	428.8
15°	423.0
17.5°	415.4
20°	404.0
22.5°	390.7
25°	375.4
27.5°	358.3
30°	337.3
32.5°	318.2
35°	299.2
37.5°	278.2
40°	259.2
42.5°	238.2
45°	217.2
47.5°	196.3
50°	177.2
52.5°	156.3
55°	137.2
57.5°	120.1
60°	104.8
62.5°	95.3
65°	89.6
67.5°	81.9
70°	74.3
72.5°	64.8
75°	57.2
77.5°	45.7
80°	36.2
82.5°	26.7
85°	15.2
87.5°	7.6
90°	0.0

(END OF REPORT)