

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: P1504069

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OT (4000K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-19)
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-WHTE-XX-OT (4000K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

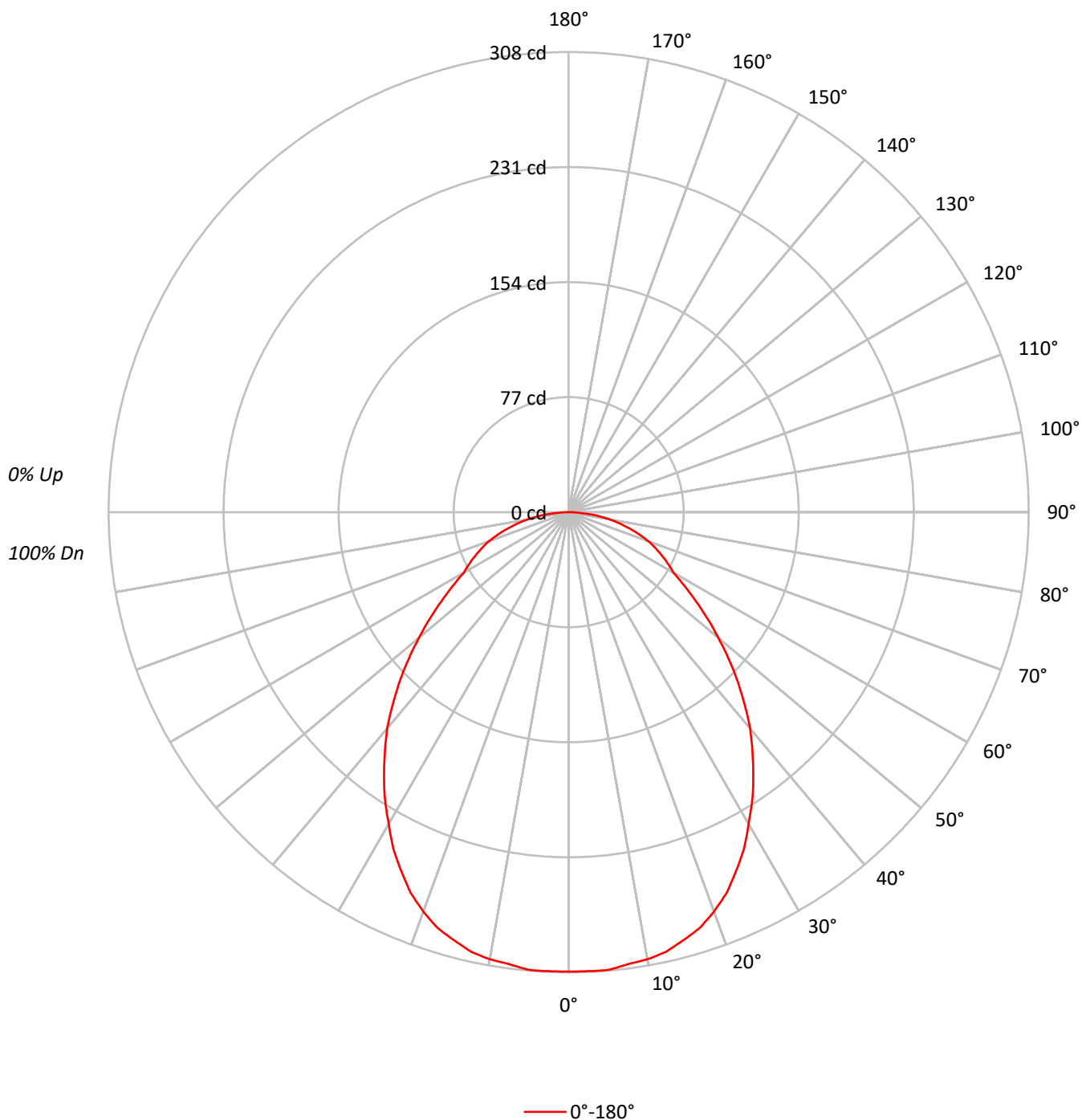
Lumens per Lamp: N/A
Luminaire Lumens: 713.1 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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

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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					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	102	99	95	98	95	92	94	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54			
5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34			
9	59	46	38	33	58	45	38	33	44	37	33	43	37	32	42	36	32	30			
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3096
5°	3108
10°	3107
15°	3092
20°	3048
25°	2945
30°	2801
35°	2649
40°	2483
45°	2276
50°	2047
55°	1827
60°	1633
65°	1644
70°	1675
75°	1650
80°	1612
85°	1398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2276 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	4.1
10°-20°	83.6	11.7
20°-30°	121.8	17.1
30°-40°	134.6	18.9
40°-50°	123.1	17.3
50°-60°	93.6	13.1
60°-70°	68.4	9.6
70°-80°	44.7	6.3
80°-90°	14.0	2.0
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°	234.7	32.9
0°-40°	369.3	51.8
0°-60°	586.1	82.2
0°-90°	713.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	308	
5°	308	29
15°	297	84
25°	265	122
35°	216	135
45°	160	123
55°	104	94
65°	69	68
75°	42	45
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	307.5
2.5°	307.5
5°	307.5
7.5°	305.1
10°	303.9
12.5°	301.4
15°	296.6
17.5°	291.8
20°	284.5
22.5°	276.0
25°	265.1
27.5°	254.2
30°	240.9
32.5°	228.8
35°	215.5
37.5°	202.2
40°	188.9
42.5°	174.3
45°	159.8
47.5°	145.3
50°	130.7
52.5°	117.4
55°	104.1
57.5°	92.0
60°	81.1
62.5°	75.1
65°	69.0
67.5°	63.0
70°	56.9
72.5°	49.6
75°	42.4
77.5°	35.1
80°	27.8
82.5°	20.6
85°	12.1
87.5°	4.8
90°	0.0

(END OF REPORT)