

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: P1504206

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OT (5000K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504206
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-D2W-XXXX-WHTE-XX-OT (5000K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

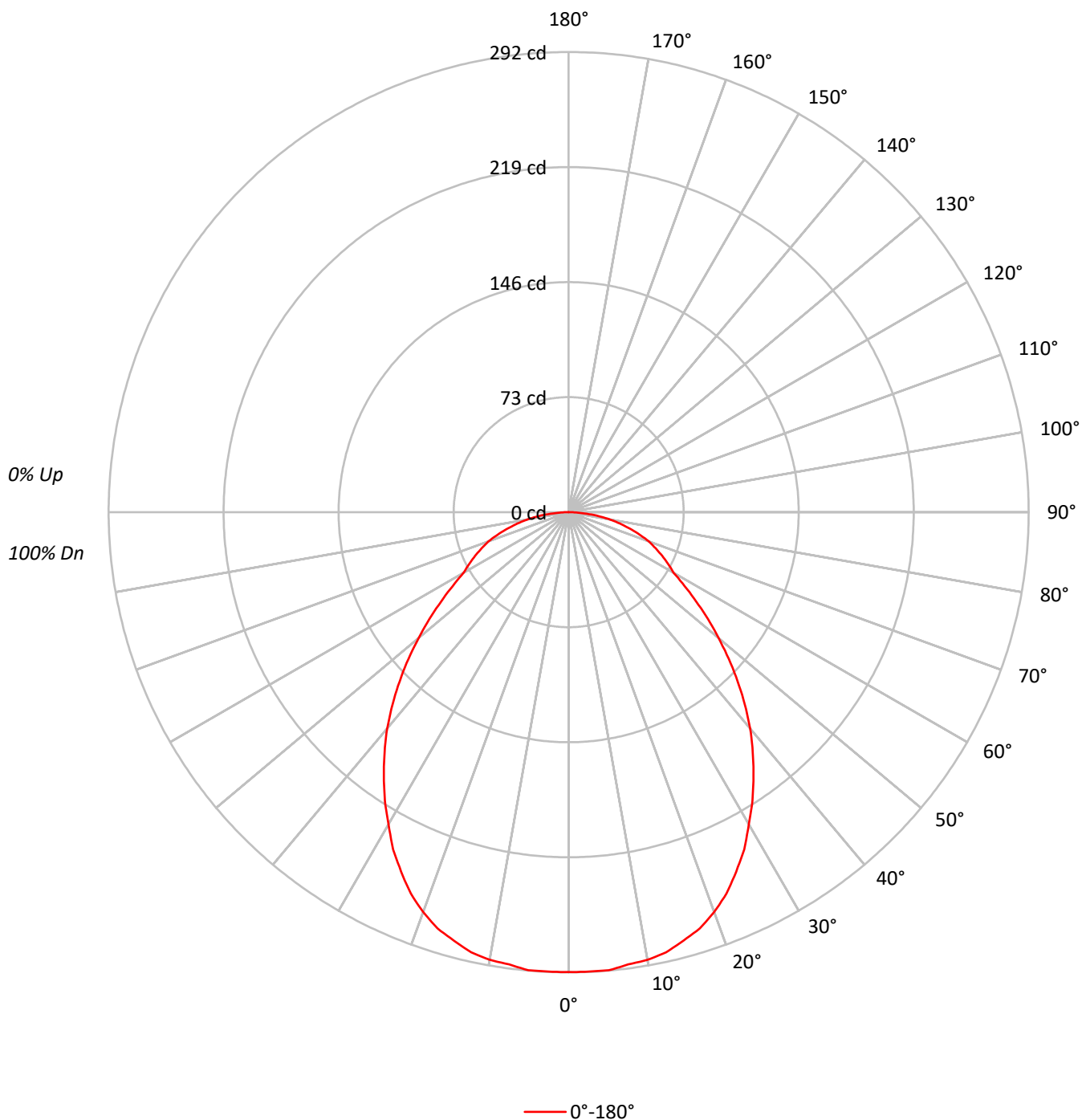
Lumens per Lamp: N/A
Luminaire Lumens: 676.7 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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	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°	2938
5°	2949
10°	2949
15°	2934
20°	2893
25°	2795
30°	2658
35°	2514
40°	2355
45°	2160
50°	1944
55°	1734
60°	1551
65°	1561
70°	1590
75°	1564
80°	1531
85°	1329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2160 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	4.1
10°-20°	79.4	11.7
20°-30°	115.6	17.1
30°-40°	127.8	18.9
40°-50°	116.9	17.3
50°-60°	88.9	13.1
60°-70°	64.8	9.6
70°-80°	42.4	6.3
80°-90°	13.3	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°	222.7	32.9
0°-40°	350.5	51.8
0°-60°	556.2	82.2
0°-90°	676.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	292	
5°	292	28
15°	282	79
25°	252	116
35°	204	128
45°	152	117
55°	99	89
65°	66	65
75°	40	42
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	291.8
2.5°	291.8
5°	291.8
7.5°	289.5
10°	288.4
12.5°	286.1
15°	281.5
17.5°	276.9
20°	270.0
22.5°	261.9
25°	251.6
27.5°	241.3
30°	228.6
32.5°	217.1
35°	204.5
37.5°	191.9
40°	179.2
42.5°	165.4
45°	151.7
47.5°	137.9
50°	124.1
52.5°	111.4
55°	98.8
57.5°	87.3
60°	77.0
62.5°	71.2
65°	65.5
67.5°	59.7
70°	54.0
72.5°	47.1
75°	40.2
77.5°	33.3
80°	26.4
82.5°	19.5
85°	11.5
87.5°	4.6
90°	0.0

(END OF REPORT)