

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: P1504155

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OT (3500K-750LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504155
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 (3500K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 1 - 750 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

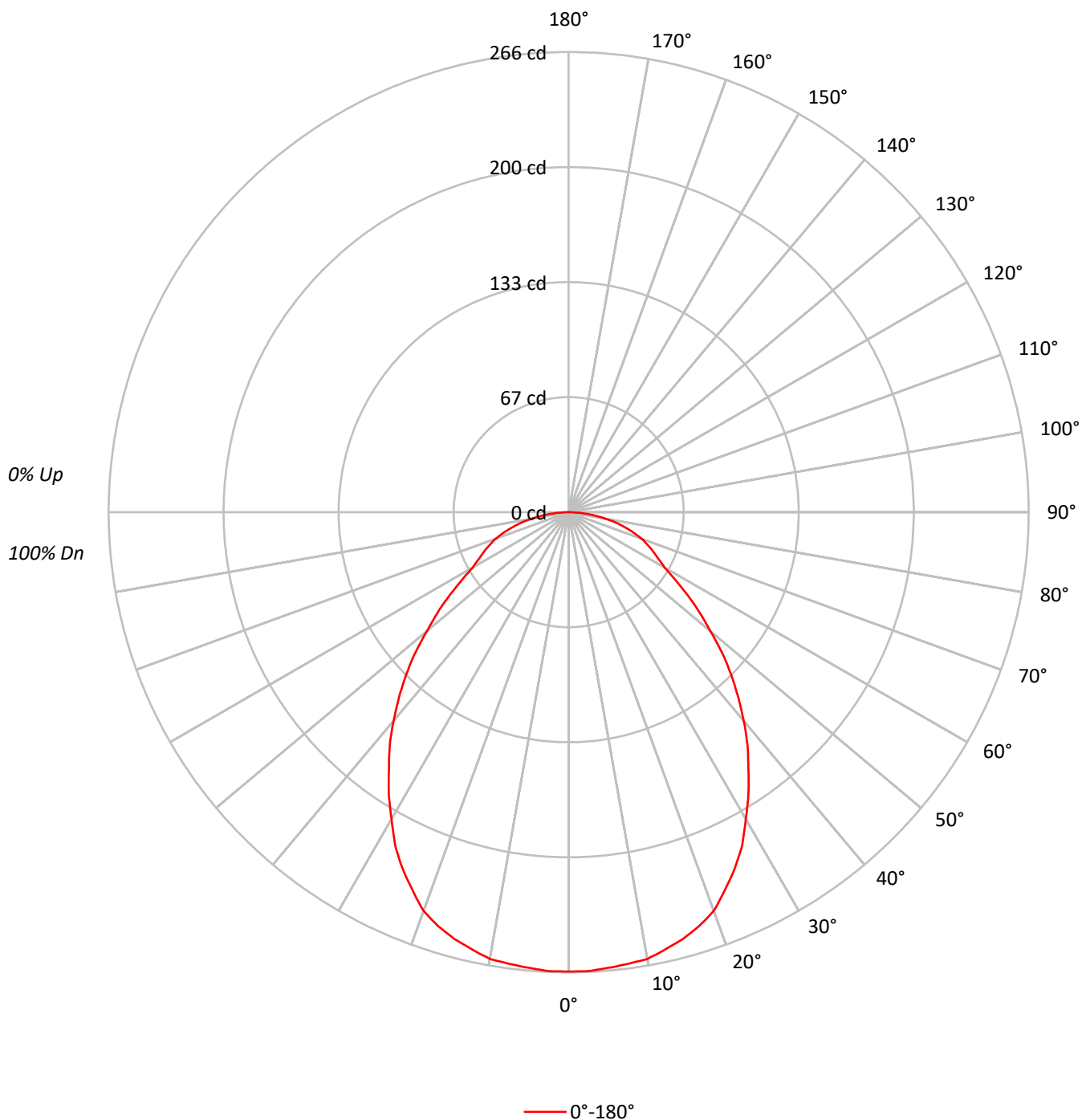
Lumens per Lamp: N/A
Luminaire Lumens: 592.5 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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	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	99	96	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	42							
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38							
8	64	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	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	35	31	42	35	30	41	35	30	40	34	30	28							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2673
5°	2672
10°	2681
15°	2662
20°	2628
25°	2525
30°	2381
35°	2226
40°	2070
45°	1891
50°	1675
55°	1482
60°	1291
65°	1287
70°	1325
75°	1315
80°	1241
85°	1167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	4.2
10°-20°	72.0	12.1
20°-30°	104.3	17.6
30°-40°	113.4	19.1
40°-50°	102.2	17.2
50°-60°	75.6	12.8
60°-70°	53.6	9.0
70°-80°	35.5	6.0
80°-90°	10.9	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°	201.4	34.0
0°-40°	314.8	53.1
0°-60°	492.6	83.1
0°-90°	592.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	266	
5°	264	25
15°	255	72
25°	227	104
35°	181	113
45°	133	102
55°	84	76
65°	54	54
75°	34	35
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	265.5
2.5°	265.5
5°	264.4
7.5°	263.3
10°	262.2
12.5°	258.8
15°	255.4
17.5°	250.9
20°	245.3
22.5°	236.3
25°	227.3
27.5°	217.2
30°	204.8
32.5°	193.5
35°	181.1
37.5°	169.9
40°	157.5
42.5°	145.1
45°	132.8
47.5°	120.4
50°	106.9
52.5°	95.6
55°	84.4
57.5°	73.1
60°	64.1
62.5°	58.5
65°	54.0
67.5°	49.5
70°	45.0
72.5°	39.4
75°	33.8
77.5°	28.1
80°	21.4
82.5°	15.8
85°	10.1
87.5°	3.4
90°	0.0

(END OF REPORT)