

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: P1504015

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (2700K-900LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504015
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-010-XXXX-BRSS-XX-OT (2700K-900LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 2 - 900 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

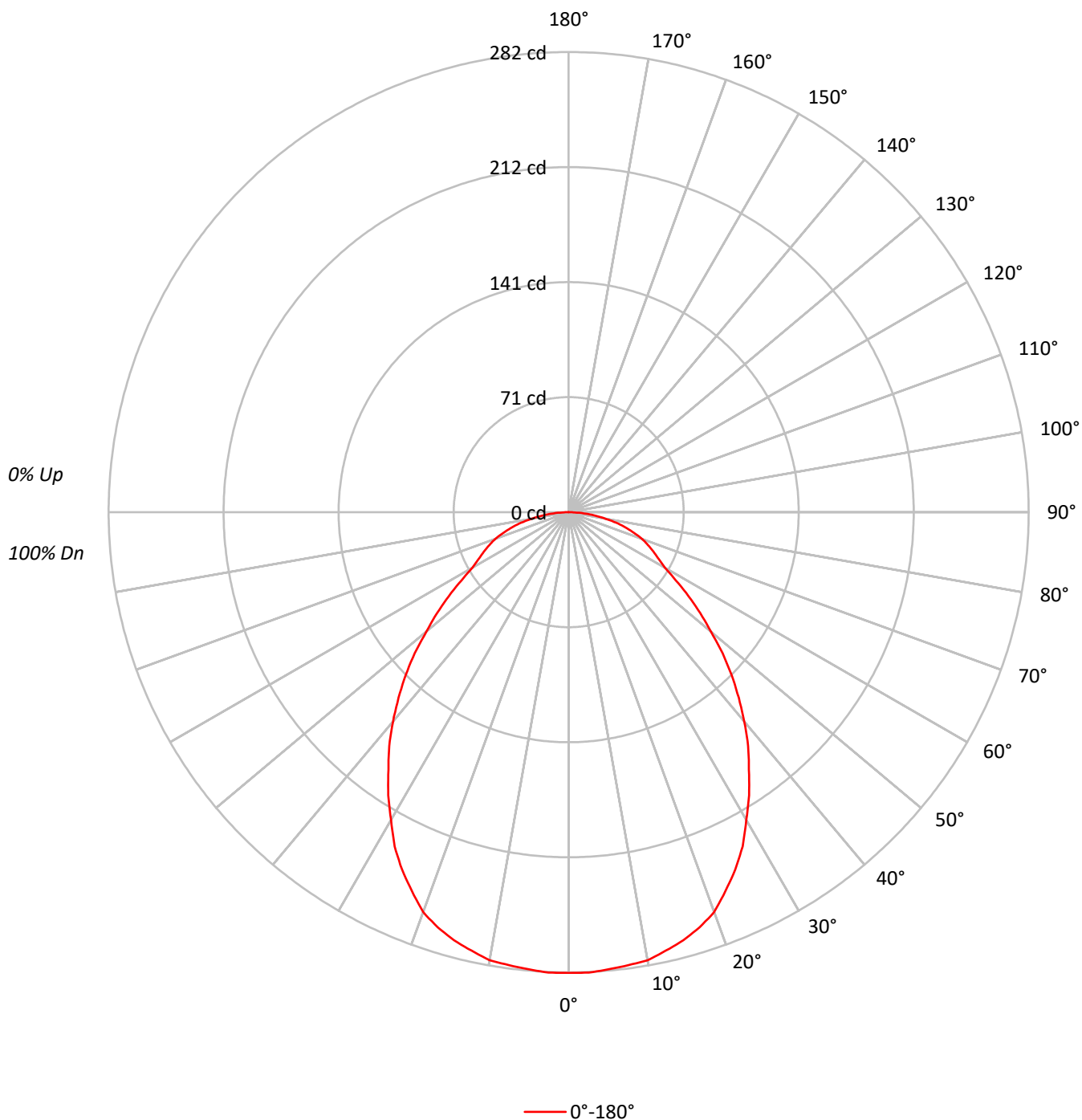
Lumens per Lamp: N/A
Luminaire Lumens: 630.1 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8.6
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

TEST NUMBER: P1504015

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (2700K-900LM)

Luminous Intensity Polar Plot



TEST NUMBER: P1504015

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (2700K-900LM)

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	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°	2843
5°	2842
10°	2851
15°	2831
20°	2795
25°	2685
30°	2531
35°	2367
40°	2202
45°	2011
50°	1781
55°	1575
60°	1373
65°	1368
70°	1410
75°	1397
80°	1316
85°	1248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2011 cd/sqm

TEST NUMBER: P1504015

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (2700K-900LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	4.2
10°-20°	76.5	12.1
20°-30°	110.9	17.6
30°-40°	120.6	19.1
40°-50°	108.7	17.2
50°-60°	80.4	12.8
60°-70°	57.0	9.0
70°-80°	37.7	6.0
80°-90°	11.5	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°	214.2	34.0
0°-40°	334.7	53.1
0°-60°	523.8	83.1
0°-90°	630.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	282	
5°	281	27
15°	272	77
25°	242	111
35°	193	121
45°	141	109
55°	90	80
65°	57	57
75°	36	38
85°	11	12
90°	0	

TEST NUMBER: P1504015

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (2700K-900LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	282.4
2.5°	282.4
5°	281.2
7.5°	280.0
10°	278.8
12.5°	275.2
15°	271.6
17.5°	266.8
20°	260.8
22.5°	251.2
25°	241.7
27.5°	230.9
30°	217.7
32.5°	205.8
35°	192.6
37.5°	180.7
40°	167.5
42.5°	154.3
45°	141.2
47.5°	128.0
50°	113.7
52.5°	101.7
55°	89.7
57.5°	77.8
60°	68.2
62.5°	62.2
65°	57.4
67.5°	52.6
70°	47.9
72.5°	41.9
75°	35.9
77.5°	29.9
80°	22.7
82.5°	16.7
85°	10.8
87.5°	3.6
90°	0.0

(END OF REPORT)