

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: P1504140

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-24)
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-OC (3500K-750LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, 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

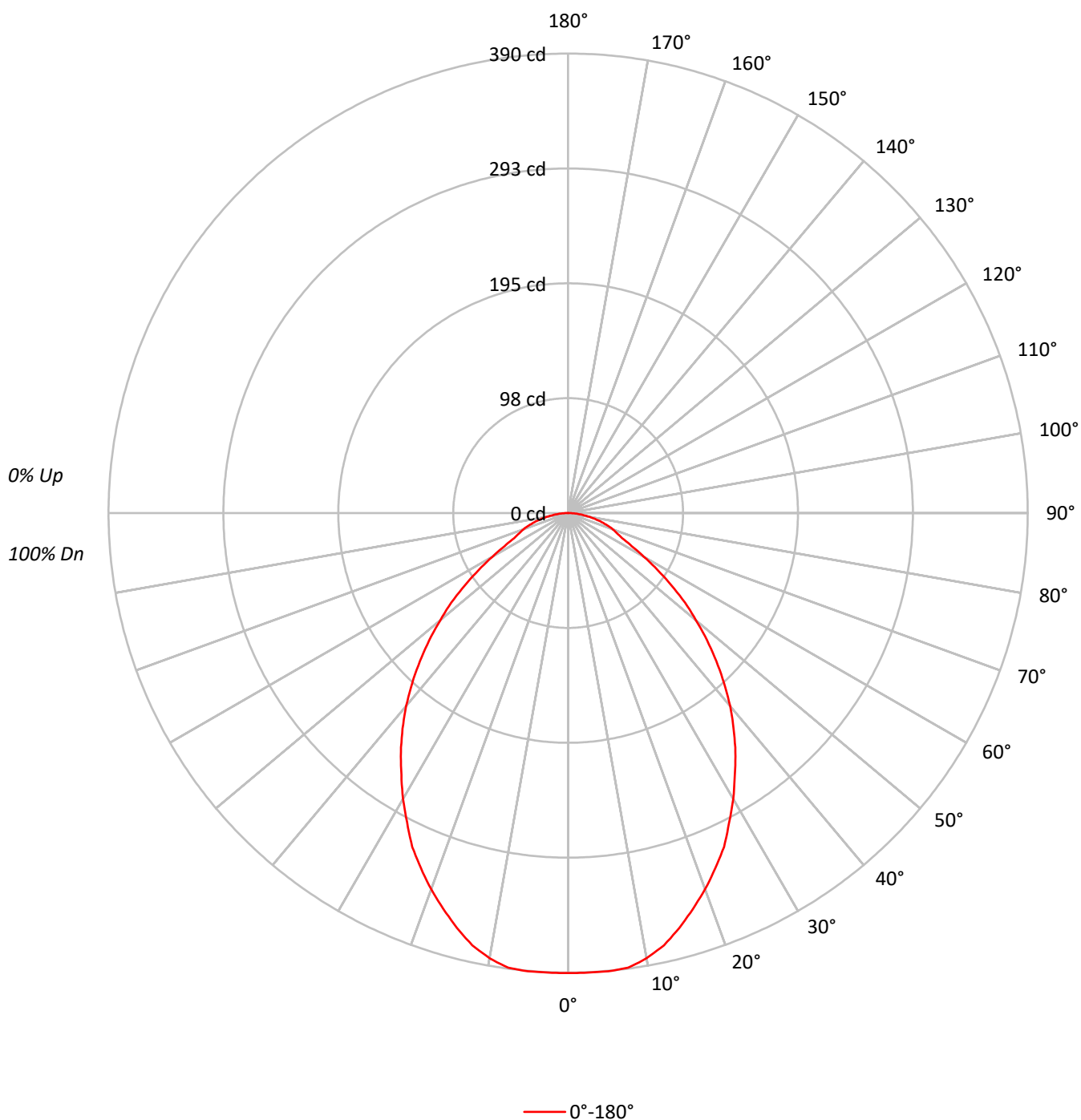
Lumens per Lamp: N/A
Luminaire Lumens: 762.6 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1504140

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (3500K-750LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1504140

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (3500K-750LM)

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	45		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	39	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3931
5°	3946
10°	3923
15°	3800
20°	3641
25°	3475
30°	3258
35°	3042
40°	2810
45°	2532
50°	2221
55°	1877
60°	1496
65°	1206
70°	1192
75°	1140
80°	1044
85°	913

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2532 cd/sqm

TEST NUMBER: P1504140

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (3500K-750LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	4.9
10°-20°	102.4	13.4
20°-30°	143.3	18.8
30°-40°	154.4	20.3
40°-50°	136.9	18.0
50°-60°	95.8	12.6
60°-70°	52.8	6.9
70°-80°	30.9	4.0
80°-90°	8.9	1.2
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°	282.7	37.1
0°-40°	437.2	57.3
0°-60°	669.9	87.9
0°-90°	762.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	762.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	390	
5°	390	37
15°	364	102
25°	313	143
35°	248	154
45°	178	137
55°	107	96
65°	51	53
75°	29	31
85°	8	9
90°	0	

TEST NUMBER: P1504140

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (3500K-750LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	390.4
2.5°	390.4
5°	390.4
7.5°	389.3
10°	383.7
12.5°	375.8
15°	364.5
17.5°	352.2
20°	339.8
22.5°	326.3
25°	312.8
27.5°	295.9
30°	280.2
32.5°	263.3
35°	247.5
37.5°	230.7
40°	213.8
42.5°	195.8
45°	177.8
47.5°	159.8
50°	141.8
52.5°	124.9
55°	106.9
57.5°	90.0
60°	74.3
62.5°	60.8
65°	50.6
67.5°	45.0
70°	40.5
72.5°	34.9
75°	29.3
77.5°	23.6
80°	18.0
82.5°	12.4
85°	7.9
87.5°	3.4
90°	0.0

(END OF REPORT)