

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: P1503980

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-1200LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-20)
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-BRNZ-XX-OT (5000K-1200LM)
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

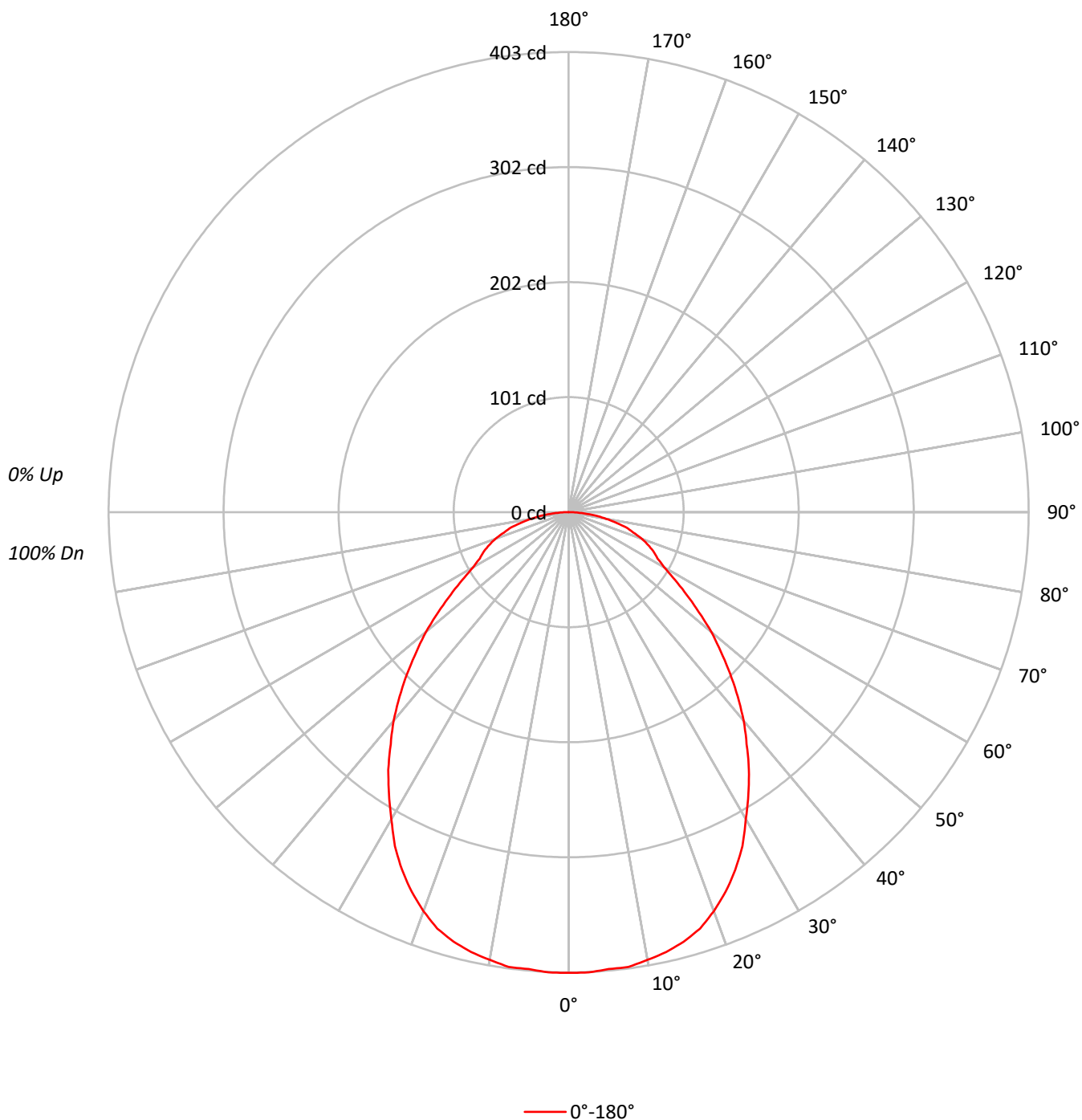
Lumens per Lamp: N/A
Luminaire Lumens: 898.4 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1503980

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-1200LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503980

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-1200LM)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62					62			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54					54			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48					48			
6	73	60	52	46	71	59	51	46	58	51	45	56	50	45	55	49	44	43					43			
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38					38			
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34					34			
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31					31			
10	56	43	36	31	55	43	36	31	42	35	30	41	35	30	40	34	30	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4062
5°	4060
10°	4070
15°	4059
20°	3984
25°	3838
30°	3610
35°	3385
40°	3135
45°	2848
50°	2555
55°	2217
60°	1943
65°	1963
70°	2014
75°	2046
80°	1931
85°	1617

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2848 cd/sqm

TEST NUMBER: P1503980

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-1200LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	4.3
10°-20°	109.6	12.2
20°-30°	158.4	17.6
30°-40°	171.7	19.1
40°-50°	154.2	17.2
50°-60°	113.9	12.7
60°-70°	81.2	9.0
70°-80°	54.1	6.0
80°-90°	16.9	1.9
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°	306.3	34.1
0°-40°	478.0	53.2
0°-60°	746.1	83.1
0°-90°	898.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	403	
5°	402	38
15°	389	110
25°	346	158
35°	275	172
45°	200	154
55°	126	114
65°	82	81
75°	53	54
85°	14	17
90°	0	

TEST NUMBER: P1503980

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-1200LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	403.4
2.5°	403.4
5°	401.7
7.5°	401.7
10°	398.1
12.5°	394.6
15°	389.4
17.5°	382.4
20°	371.8
22.5°	359.6
25°	345.5
27.5°	329.7
30°	310.5
32.5°	292.9
35°	275.4
37.5°	256.1
40°	238.5
42.5°	219.2
45°	200.0
47.5°	180.7
50°	163.1
52.5°	143.8
55°	126.3
57.5°	110.5
60°	96.5
62.5°	87.7
65°	82.4
67.5°	75.4
70°	68.4
72.5°	59.6
75°	52.6
77.5°	42.1
80°	33.3
82.5°	24.6
85°	14.0
87.5°	7.0
90°	0.0

(END OF REPORT)