

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P979369

Luminaire Tested: PRLX-CYL6-930-23L-WD-U-S-X-X-WHTE

Issue Date: 4/3/2025

Test Information

Test Method: LM-79-2019
Report Number: P979369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-353-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-CYL6-930-23L-WD-U-S-X-X-WHTE
Description: 3D PRINTED LUMINAIRE, INTEGRAL LED LIGHT ENGINE, WHITE TRIM WITH WIDE FLOOD OPTIC
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

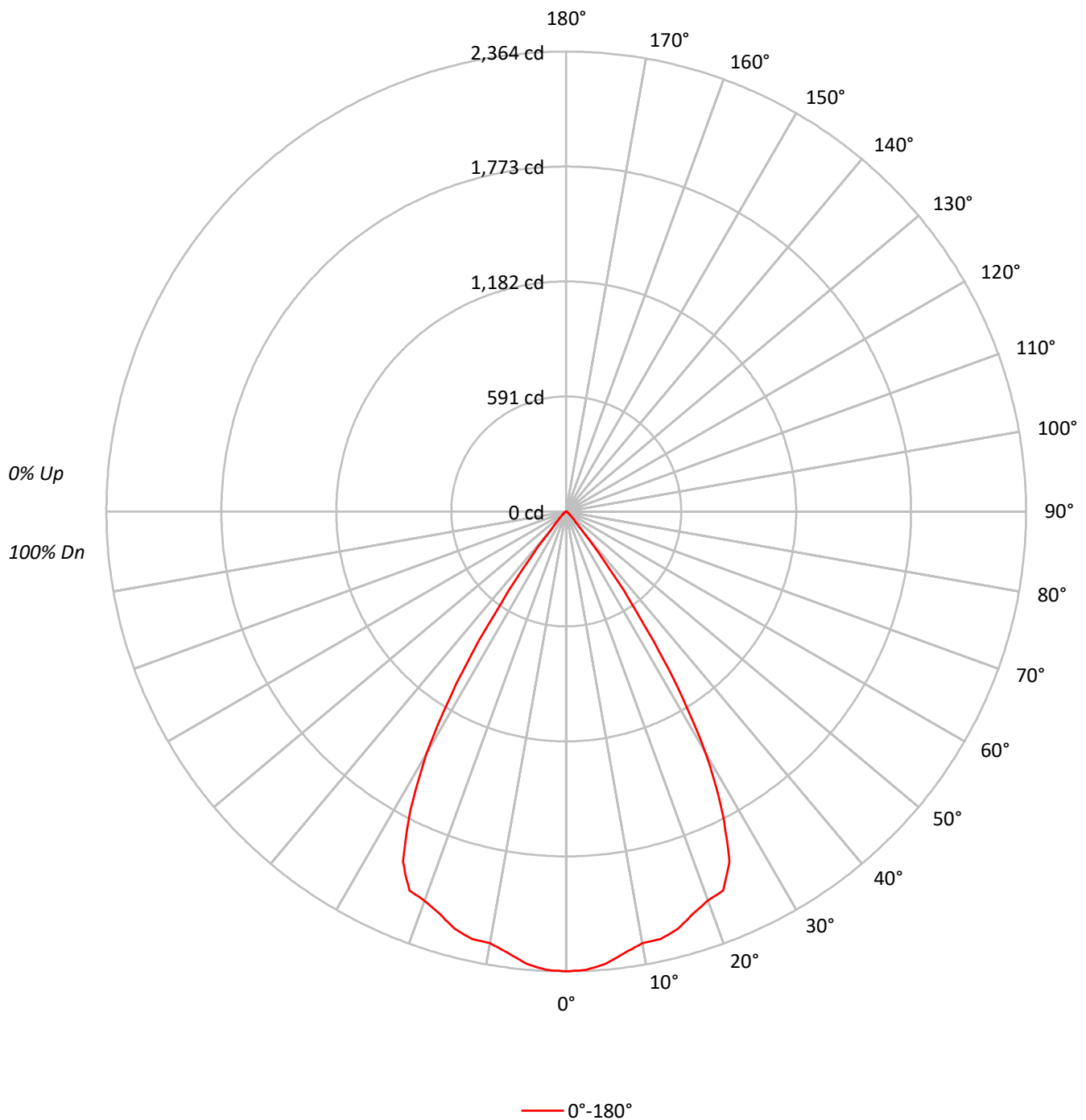
Lumens per Lamp: N/A
Luminaire Lumens: 2190.8 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 0.91
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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: P979369

CATALOG NUMBER: PRLX-CYL6-930-23L-WD-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979369

CATALOG NUMBER: PRLX-CYL6-930-23L-WD-U-S-X-X-WHTE

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	102		101	100	98		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79
6	89	80	75	70	87	80	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		71
8	81	71	66	62	79	71	65	62	70	65	61		69	64	61		68
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64
10	73	64	58	55	72	64	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23803
5°	23597
10°	23041
15°	23147
20°	22817
25°	22063
30°	16691
35°	7796
40°	1471
45°	624
50°	326
55°	214
60°	145
65°	86
70°	106
75°	113
80°	128
85°	162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 624 cd/sqm

TEST NUMBER: P979369

CATALOG NUMBER: PRLX-CYL6-930-23L-WD-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.9	10.0
10°-20°	623.8	28.5
20°-30°	871.1	39.8
30°-40°	417.7	19.1
40°-50°	38.5	1.8
50°-60°	11.1	0.5
60°-70°	4.3	0.2
70°-80°	3.1	0.1
80°-90°	1.3	0.1
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°	1714.8	78.3
0°-40°	2132.5	97.3
0°-60°	2182.1	99.6
0°-90°	2190.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2190.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2364	
5°	2335	220
15°	2220	624
25°	1986	871
35°	634	418
45°	44	39
55°	12	11
65°	4	4
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P979369

CATALOG NUMBER: PRLX-CYL6-930-23L-WD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (FULL):

0°	
0°	2364.0
2.5°	2358.3
5°	2334.6
7.5°	2288.7
10°	2253.5
12.5°	2250.7
15°	2220.5
17.5°	2168.2
20°	2129.4
22.5°	2107.2
25°	1985.9
27.5°	1735.5
30°	1435.6
32.5°	1051.1
35°	634.2
37.5°	309.2
40°	111.9
42.5°	63.1
45°	43.8
47.5°	30.1
50°	20.8
52.5°	15.1
55°	12.2
57.5°	8.6
60°	7.2
62.5°	5.0
65°	3.6
67.5°	3.6
70°	3.6
72.5°	2.9
75°	2.9
77.5°	2.9
80°	2.2
82.5°	1.4
85°	1.4
87.5°	0.7
90°	0.0

TEST NUMBER: P979369

CATALOG NUMBER: PRLX-CYL6-930-23L-WD-U-S-X-X-WHTE

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

END OF REPORT