

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P979495

Luminaire Tested: PRLX-CYL6-935-74L-FL-U-S-X-X-WHTE

Issue Date: 4/3/2025

Test Information

Test Method: LM-79-2019
Report Number: P979495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-353-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-CYL6-935-74L-FL-U-S-X-X-WHTE
Description: 3D PRINTED LUMINAIRE, INTEGRAL LED LIGHT ENGINE, WHITE BLACK TRIM WITH FLOOD OPTIC
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

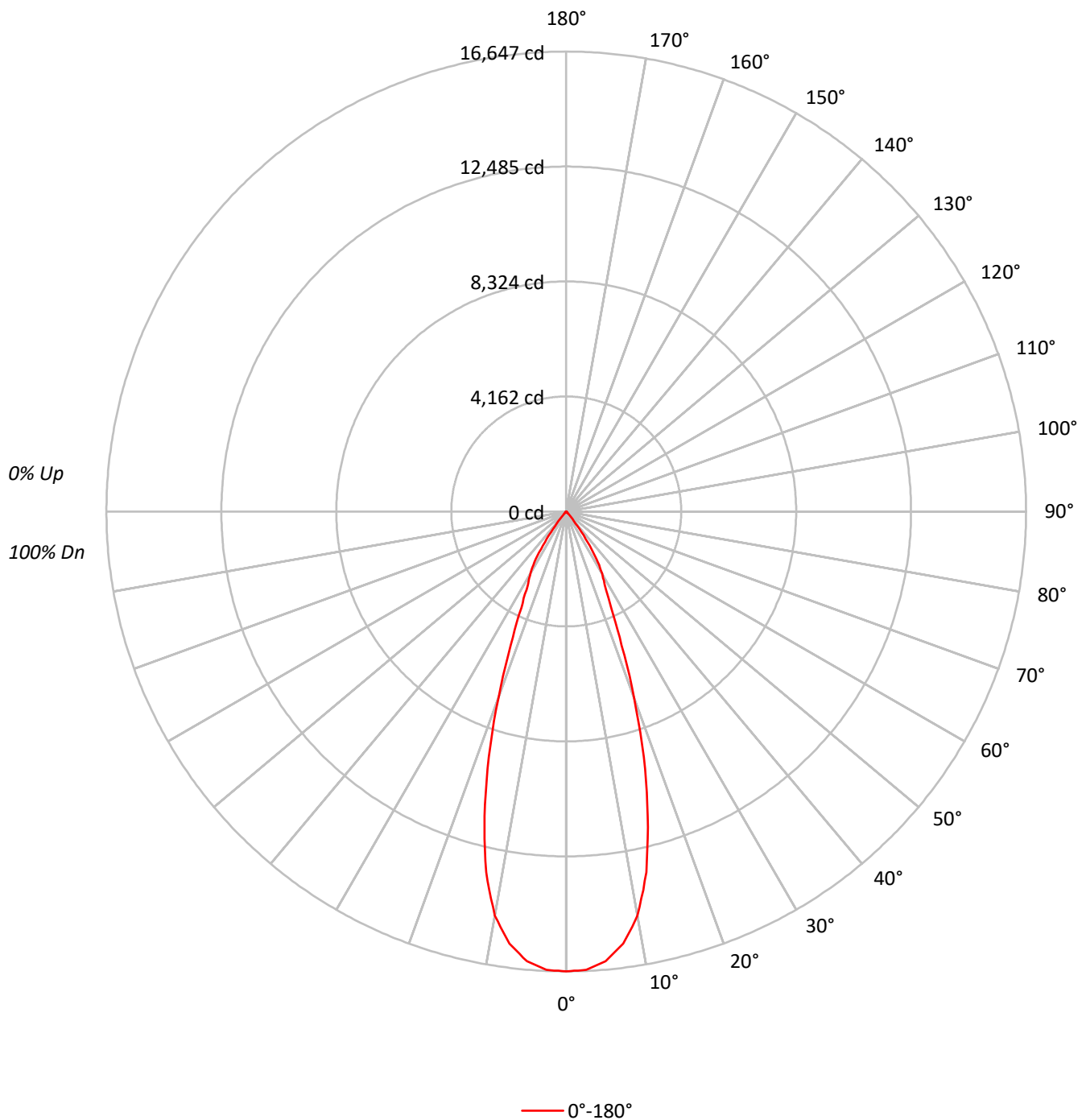
Lumens per Lamp: N/A
Luminaire Lumens: 7384.8 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.58
Luminous Opening: Circular (Dia: 1.17' x H: 0')
CIE Type: Direct

Input Watts (W): 61.5
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: P979495

CATALOG NUMBER: PRLX-CYL6-935-74L-FL-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979495

CATALOG NUMBER: PRLX-CYL6-935-74L-FL-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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		95
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		86
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		82
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		79
6	94	87	82	78	93	86	81	78	84	80	77		83	80	77		75
7	90	83	78	74	89	82	78	74	81	77	74		80	76	73		72
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167620
5°	165110
10°	151978
15°	119060
20°	76614
25°	42682
30°	30145
35°	16544
40°	1986
45°	639
50°	334
55°	249
60°	143
65°	112
70°	138
75°	93
80°	139
85°	277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 639 cd/sqm

TEST NUMBER: P979495

CATALOG NUMBER: PRLX-CYL6-935-74L-FL-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1512.8	20.5
10°-20°	3084.5	41.8
20°-30°	1901.4	25.7
30°-40°	820.8	11.1
40°-50°	42.6	0.6
50°-60°	12.1	0.2
60°-70°	5.0	0.1
70°-80°	3.4	0.0
80°-90°	2.3	0.0
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°	6498.7	88.0
0°-40°	7319.5	99.1
0°-60°	7374.1	99.9
0°-90°	7384.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7384.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16647	
5°	16335	###
15°	11422	3085
25°	3842	1901
35°	1346	821
45°	45	43
55°	14	12
65°	5	5
75°	2	3
85°	2	2
90°	0	

TEST NUMBER: P979495

CATALOG NUMBER: PRLX-CYL6-935-74L-FL-U-S-X-X-WHTE

CANDELA DISTRIBUTION (FULL):

0°	
0°	16647.1
2.5°	16604.6
5°	16335.4
7.5°	15775.7
10°	14864.3
12.5°	13381.4
15°	11421.5
17.5°	9320.0
20°	7150.0
22.5°	5239.7
25°	3841.8
27.5°	3008.3
30°	2592.7
32.5°	2059.0
35°	1345.9
37.5°	651.7
40°	151.1
42.5°	63.8
45°	44.9
47.5°	30.7
50°	21.3
52.5°	16.5
55°	14.2
57.5°	9.4
60°	7.1
62.5°	4.7
65°	4.7
67.5°	4.7
70°	4.7
72.5°	4.7
75°	2.4
77.5°	2.4
80°	2.4
82.5°	2.4
85°	2.4
87.5°	2.4
90°	0.0

TEST NUMBER: P979495

CATALOG NUMBER: PRLX-CYL6-935-74L-FL-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