

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



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: P980431

Luminaire Tested: PRLX-243-935-LL6-C-U-S-WHTE-X

Issue Date: 4/3/2025

Test Information

Test Method: LM-79-2024
Report Number: P980431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-353-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-243-935-LL6-C-U-S-WHTE-X
Description: 3D PRINTED LUMINAIRE, INTEGRAL LED LIGHT ENGINE, WHITE 243 SHADE WITH CLEAR LENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4951.1 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.38
Luminous Opening: Circular (Dia: 1.67' x H: 0')
CIE Type: Direct

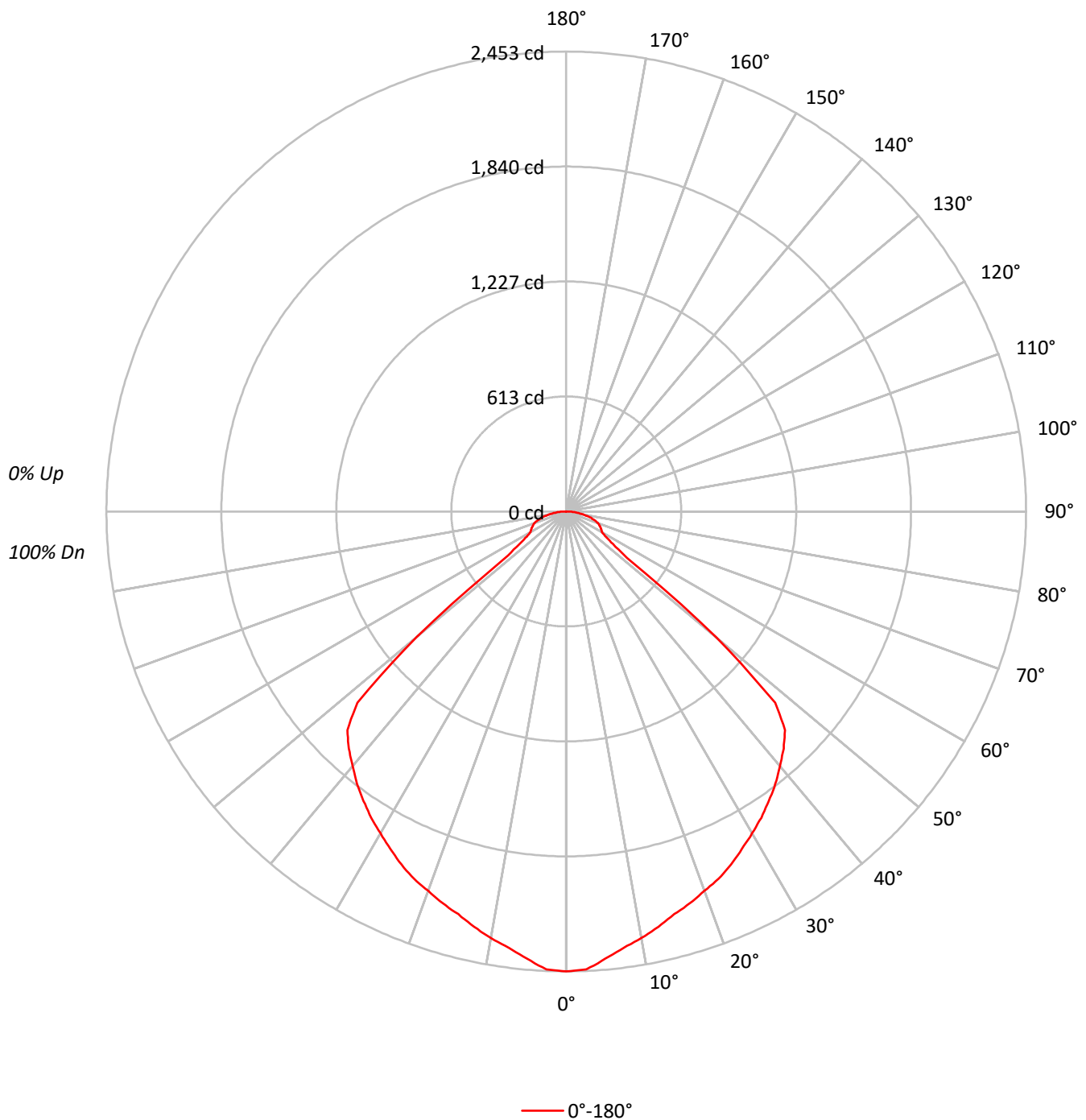
Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P980431

CATALOG NUMBER: PRLX-243-935-LL6-C-U-S-WHTE-X

Luminous Intensity Polar Plot



TEST NUMBER: P980431

CATALOG NUMBER: PRLX-243-935-LL6-C-U-S-WHTE-X

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	4.6
10°-20°	629.7	12.7
20°-30°	957.8	19.3
30°-40°	1180.3	23.8
40°-50°	1210.8	24.5
50°-60°	351.8	7.1
60°-70°	199.1	4.0
70°-80°	145.6	2.9
80°-90°	50.2	1.0
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°	1813.5	36.6
0°-40°	2993.7	60.5
0°-60°	4556.3	92.0
0°-90°	4951.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4951.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2453	
5°	2395	226
15°	2224	630
25°	2079	958
35°	1885	1180
45°	1651	1211
55°	303	352
65°	202	199
75°	141	146
85°	46	50
90°	0	

TEST NUMBER: P980431

CATALOG NUMBER: PRLX-243-935-LL6-C-U-S-WHTE-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	2453.1
2.5°	2445.5
5°	2395.1
7.5°	2347.7
10°	2311.0
12.5°	2269.7
15°	2223.9
17.5°	2191.8
20°	2153.6
22.5°	2121.5
25°	2078.7
27.5°	2029.8
30°	1982.4
32.5°	1936.5
35°	1884.6
37.5°	1832.6
40°	1773.0
42.5°	1716.4
45°	1650.7
47.5°	1511.6
50°	1042.4
52.5°	409.6
55°	302.6
57.5°	249.1
60°	220.1
62.5°	210.9
65°	201.8
67.5°	191.1
70°	178.8
72.5°	162.0
75°	140.6
77.5°	114.6
80°	90.2
82.5°	67.3
85°	45.9
87.5°	26.0
90°	0.0

TEST NUMBER: P980431

CATALOG NUMBER: PRLX-243-935-LL6-C-U-S-WHTE-X

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	11.19	12.60	11.55	12.91	13.23	11.19	12.60	11.55	12.91	13.23
	3H	13.61	14.86	13.99	15.19	15.56	13.61	14.86	13.99	15.19	15.56
	4H	14.67	15.84	15.07	16.19	16.57	14.67	15.84	15.07	16.19	16.57
	6H	15.45	16.53	15.86	16.90	17.29	15.45	16.53	15.86	16.90	17.29
	8H	15.73	16.75	16.16	17.14	17.55	15.73	16.75	16.16	17.14	17.55
	12H	15.94	16.92	16.37	17.30	17.73	15.94	16.92	16.37	17.30	17.73
4H	2H	11.94	13.11	12.34	13.46	13.84	11.94	13.11	12.34	13.46	13.84
	3H	14.63	15.59	15.04	15.99	16.39	14.63	15.59	15.04	15.99	16.39
	4H	15.82	16.68	16.26	17.10	17.54	15.82	16.68	16.26	17.10	17.54
	6H	16.73	17.48	17.20	17.93	18.39	16.73	17.48	17.20	17.93	18.39
	8H	17.06	17.76	17.53	18.21	18.68	17.06	17.76	17.53	18.21	18.68
	12H	17.33	17.95	17.81	18.43	18.90	17.33	17.95	17.81	18.43	18.90
8H	4H	16.24	16.94	16.71	17.39	17.86	16.24	16.94	16.71	17.39	17.86
	6H	17.30	17.88	17.80	18.37	18.85	17.30	17.88	17.80	18.37	18.85
	8H	17.72	18.24	18.24	18.76	19.25	17.72	18.24	18.24	18.76	19.25
	12H	18.09	18.56	18.60	19.05	19.62	18.09	18.56	18.60	19.05	19.62
12H	4H	16.29	16.91	16.78	17.39	17.87	16.29	16.91	16.78	17.39	17.87
	6H	17.38	17.91	17.90	18.42	18.91	17.38	17.91	17.90	18.42	18.91
	8H	17.88	18.34	18.39	18.84	19.41	17.88	18.34	18.39	18.84	19.41