

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: P865501

Luminaire Tested: PRLX-2001-S-935-10L-G-U-S-X-X-BRSS-X

Issue Date: 8/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P865501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-993-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 8/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Prenalux
Catalog Number: PRLX-2001-S-935-10L-G-U-S-X-X-BRSS-X
Description: PRENTALUX 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, GLOBE LENS,
TAPERED DRUM WITH BRASS INTERIOR SHADE.
LIGHT LEVEL 2
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

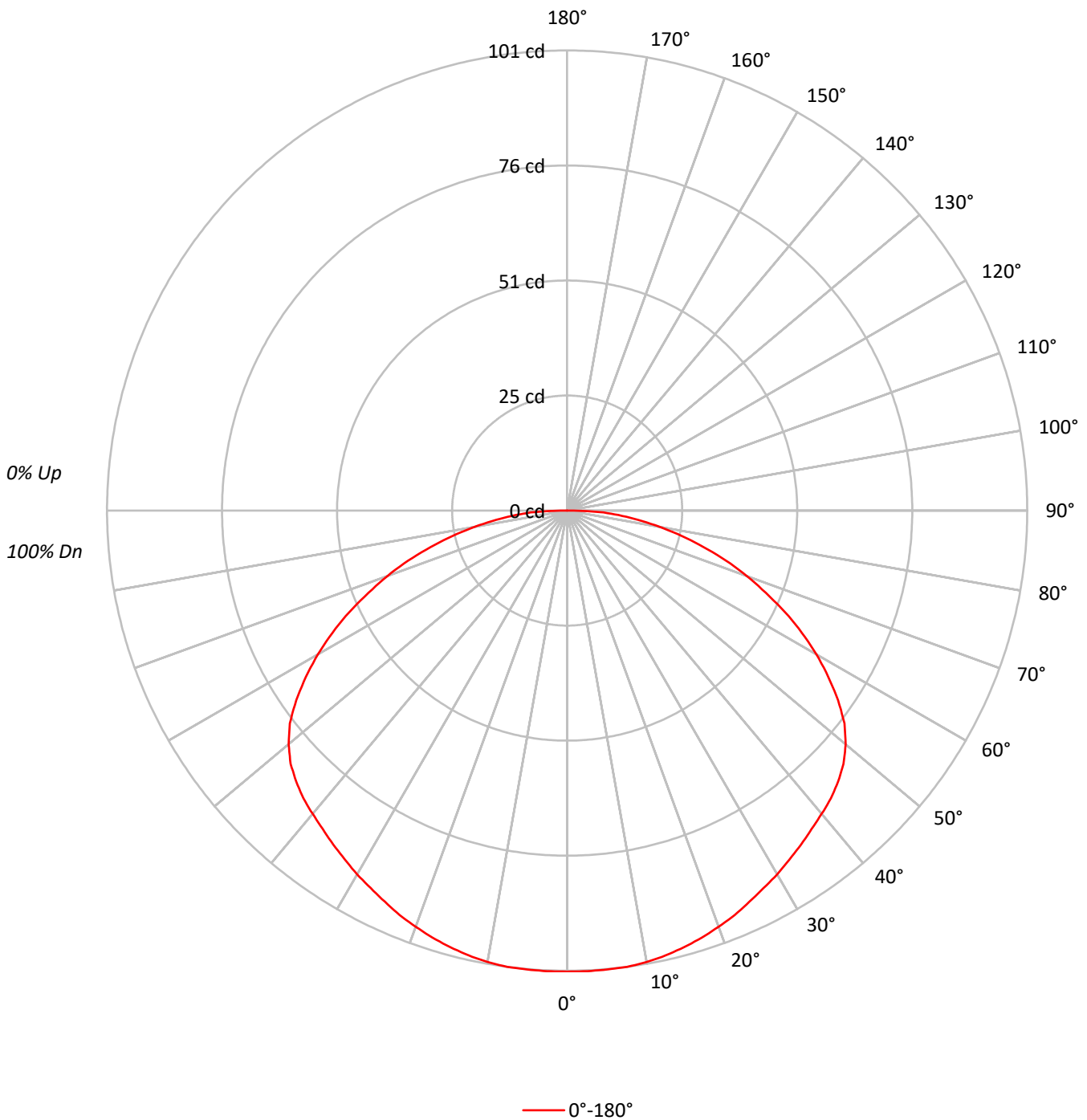
Lumens per Lamp: N/A
Luminaire Lumens: 364.3 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.37 / 1.55
Luminous Opening: Circular (Dia: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 10.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P865501

CATALOG NUMBER: PRLX-2001-S-935-10L-G-U-S-X-X-BRSS-X

Luminous Intensity Polar Plot



TEST NUMBER: P865501

CATALOG NUMBER: PRLX-2001-S-935-10L-G-U-S-X-X-BRSS-X

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	2.6
10°-20°	28.0	7.7
20°-30°	43.8	12.0
30°-40°	56.2	15.4
40°-50°	64.9	17.8
50°-60°	64.6	17.7
60°-70°	52.2	14.3
70°-80°	32.9	9.0
80°-90°	12.1	3.3
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°	81.5	22.4
0°-40°	137.6	37.8
0°-60°	267.1	73.3
0°-90°	364.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	101	
5°	101	10
15°	99	28
25°	95	44
35°	90	56
45°	84	65
55°	73	65
65°	53	52
75°	31	33
85°	11	12
90°	0	

TEST NUMBER: P865501

CATALOG NUMBER: PRLX-2001-S-935-10L-G-U-S-X-X-BRSS-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	101.2
2.5°	101.2
5°	101.1
7.5°	101.0
10°	100.6
12.5°	100.0
15°	99.2
17.5°	98.3
20°	97.2
22.5°	96.1
25°	94.7
27.5°	93.4
30°	92.2
32.5°	90.8
35°	89.5
37.5°	88.1
40°	86.9
42.5°	85.7
45°	84.1
47.5°	82.3
50°	79.8
52.5°	76.7
55°	72.6
57.5°	68.0
60°	63.2
62.5°	58.1
65°	52.8
67.5°	47.2
70°	42.0
72.5°	36.6
75°	31.0
77.5°	25.8
80°	20.6
82.5°	15.7
85°	11.3
87.5°	7.2
90°	0.0



TEST NUMBER: P865501
 CATALOG NUMBER: PRLX-2001-S-935-10L-G-U-S-X-X-BRSS-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	15.00	16.73	15.36	17.04	17.36	15.00	16.73	15.36	17.04	17.36
	3H	17.01	18.58	17.38	18.91	19.27	17.01	18.58	17.38	18.91	19.27
	4H	17.82	19.31	18.21	19.66	20.03	17.82	19.31	18.21	19.66	20.03
	6H	18.49	19.88	18.90	20.24	20.63	18.49	19.88	18.90	20.24	20.63
	8H	18.75	20.08	19.17	20.47	20.86	18.75	20.08	19.17	20.47	20.86
	12H	18.97	20.25	19.40	20.63	21.06	18.97	20.25	19.40	20.63	21.06
4H	2H	15.70	17.19	16.10	17.54	17.91	15.70	17.19	16.10	17.54	17.91
	3H	17.94	19.21	18.35	19.60	20.00	17.94	19.21	18.35	19.60	20.00
	4H	18.90	20.05	19.33	20.46	20.89	18.90	20.05	19.33	20.46	20.89
	6H	19.72	20.73	20.17	21.17	21.62	19.72	20.73	20.17	21.17	21.62
	8H	20.04	21.00	20.50	21.44	21.90	20.04	21.00	20.50	21.44	21.90
	12H	20.34	21.20	20.82	21.67	22.14	20.34	21.20	20.82	21.67	22.14
8H	4H	19.29	20.24	19.75	20.68	21.15	19.29	20.24	19.75	20.68	21.15
	6H	20.27	21.07	20.76	21.55	22.02	20.27	21.07	20.76	21.55	22.02
	8H	20.70	21.42	21.20	21.92	22.40	20.70	21.42	21.20	21.92	22.40
	12H	21.11	21.75	21.62	22.24	22.79	21.11	21.75	21.62	22.24	22.79
12H	4H	19.36	20.22	19.83	20.69	21.15	19.36	20.22	19.83	20.69	21.15
	6H	20.37	21.09	20.87	21.59	22.07	20.37	21.09	20.87	21.59	22.07
	8H	20.88	21.51	21.38	22.00	22.56	20.88	21.51	21.38	22.00	22.56