

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: P866036

Luminaire Tested: PRLX-2001-M-935-25L-G-U-S-X-X-BLAK-X

Issue Date: 8/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P866036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-993-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 8/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Pentalux
Catalog Number: PRLX-2001-M-935-25L-G-U-S-X-X-BLAK-X
Description: PRENTALUX 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, GLOBE LENS,
TAPERED DRUM WITH BLACK INTERIOR SHADE.
LIGHT LEVEL 3
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

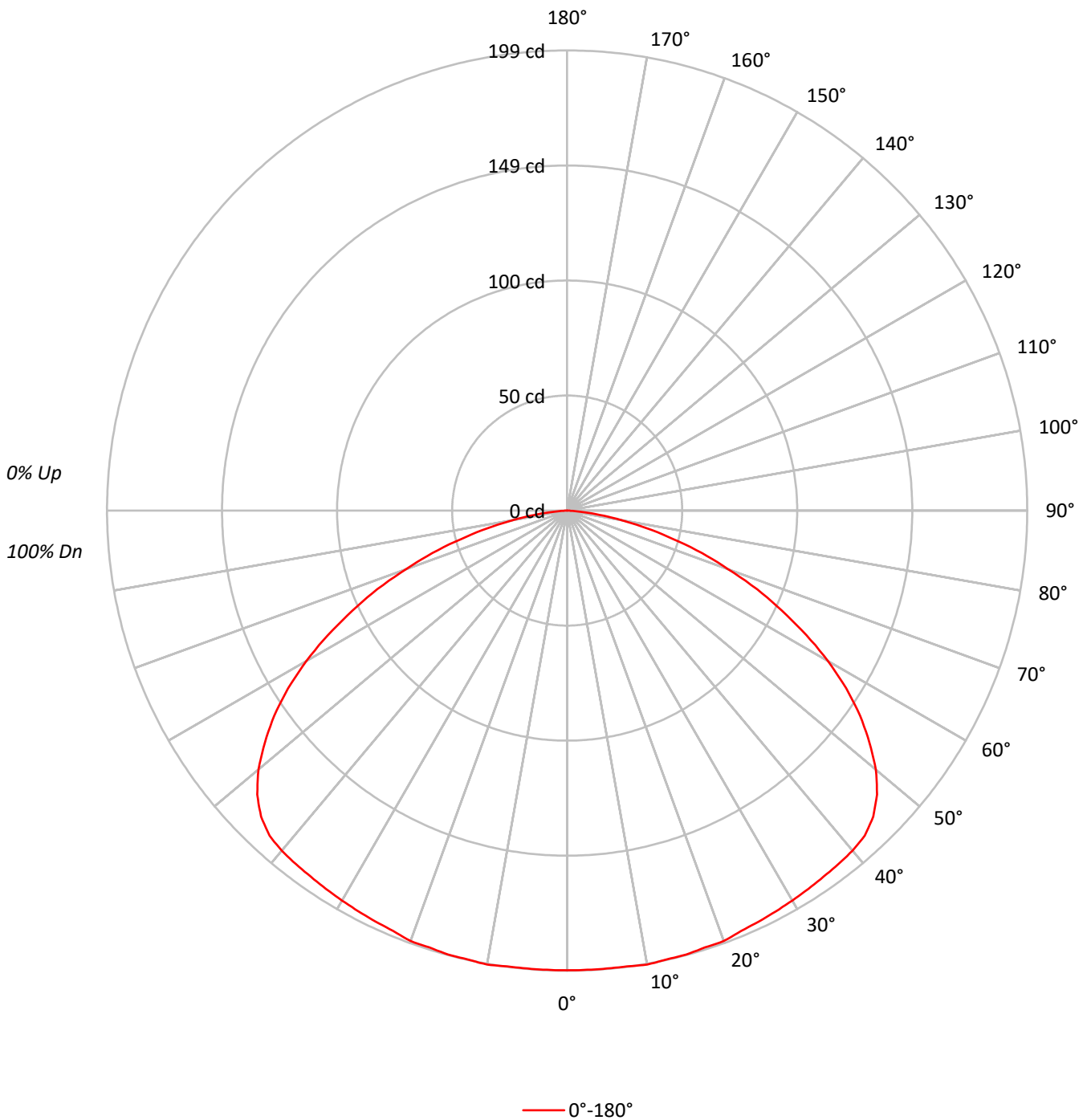
Lumens per Lamp: N/A
Luminaire Lumens: 729.9 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 1.49 / 1.49 / 1.63
Luminous Opening: Circular (Dia: 1.27' x H: 0')
CIE Type: Direct

Input Watts (W): 21.7
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

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Luminous Intensity Polar Plot



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	2.6
10°-20°	56.3	7.7
20°-30°	90.7	12.4
30°-40°	121.4	16.6
40°-50°	143.6	19.7
50°-60°	137.5	18.8
60°-70°	101.4	13.9
70°-80°	50.8	7.0
80°-90°	9.1	1.2
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°	166.0	22.7
0°-40°	287.4	39.4
0°-60°	568.6	77.9
0°-90°	729.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	729.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	199	
5°	199	19
15°	199	56
25°	196	91
35°	193	121
45°	187	144
55°	155	138
65°	102	101
75°	48	51
85°	6	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	198.8
2.5°	198.8
5°	198.8
7.5°	198.8
10°	199.4
12.5°	198.8
15°	198.8
17.5°	198.1
20°	198.1
22.5°	196.7
25°	196.1
27.5°	195.4
30°	194.7
32.5°	194.0
35°	193.3
37.5°	192.7
40°	192.0
42.5°	190.6
45°	187.2
47.5°	181.8
50°	174.3
52.5°	164.8
55°	154.7
57.5°	143.1
60°	130.3
62.5°	116.7
65°	102.4
67.5°	88.9
70°	73.9
72.5°	61.1
75°	47.5
77.5°	35.3
80°	23.7
82.5°	14.2
85°	6.1
87.5°	1.4
90°	0.0



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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	15.51	17.21	15.88	17.53	17.84	15.51	17.21	15.88	17.53	17.84
	3H	17.13	18.67	17.50	18.99	19.35	17.13	18.67	17.50	18.99	19.35
	4H	17.65	19.10	18.05	19.45	19.82	17.65	19.10	18.05	19.45	19.82
	6H	17.95	19.29	18.36	19.66	20.05	17.95	19.29	18.36	19.66	20.05
	8H	18.01	19.30	18.43	19.68	20.08	18.01	19.30	18.43	19.68	20.08
	12H	18.03	19.26	18.46	19.64	20.07	18.03	19.26	18.46	19.64	20.07
4H	2H	16.12	17.56	16.51	17.91	18.29	16.12	17.56	16.51	17.91	18.29
	3H	17.93	19.14	18.33	19.54	19.93	17.93	19.14	18.33	19.54	19.93
	4H	18.55	19.65	18.98	20.06	20.49	18.55	19.65	18.98	20.06	20.49
	6H	18.95	19.90	19.40	20.34	20.80	18.95	19.90	19.40	20.34	20.80
	8H	19.03	19.93	19.49	20.37	20.83	19.03	19.93	19.49	20.37	20.83
	12H	19.07	19.87	19.55	20.35	20.82	19.07	19.87	19.55	20.35	20.82
8H	4H	18.79	19.69	19.25	20.13	20.59	18.79	19.69	19.25	20.13	20.59
	6H	19.26	20.00	19.75	20.49	20.96	19.26	20.00	19.75	20.49	20.96
	8H	19.38	20.04	19.88	20.55	21.03	19.38	20.04	19.88	20.55	21.03
	12H	19.44	20.03	19.95	20.52	21.08	19.44	20.03	19.95	20.52	21.08
12H	4H	18.81	19.61	19.28	20.08	20.55	18.81	19.61	19.28	20.08	20.55
	6H	19.27	19.94	19.78	20.45	20.93	19.27	19.94	19.78	20.45	20.93
	8H	19.43	20.02	19.94	20.51	21.07	19.43	20.02	19.94	20.51	21.07