

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: P1245298

Luminaire Tested: PRLX-UNA-L-927-12L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-12L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

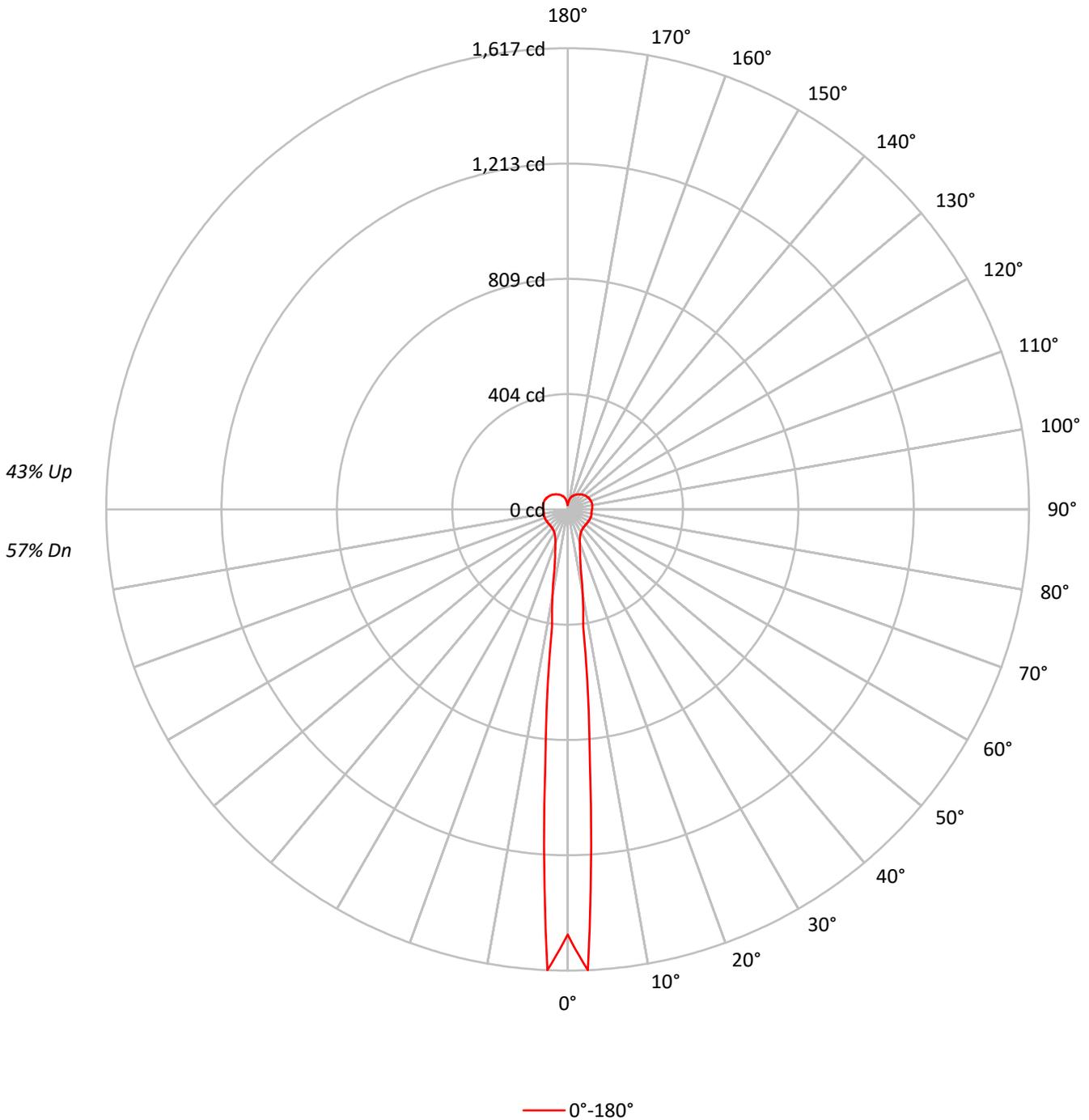
Lumens per Lamp: N/A
Luminaire Lumens: 1108.2 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (A_{in}): 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: 28.75 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51	51	47	44	42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47144
5°	22096
10°	6212
15°	2919
20°	1923
25°	1428
30°	1175
35°	1026
40°	927
45°	870
50°	829
55°	807
60°	792
65°	789
70°	787
75°	791
80°	782
85°	794

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 870 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	6.0
10°-20°	49.8	4.5
20°-30°	48.5	4.4
30°-40°	55.2	5.0
40°-50°	64.5	5.8
50°-60°	74.9	6.8
60°-70°	84.1	7.6
70°-80°	90.4	8.2
80°-90°	92.3	8.3
90°-100°	94.6	8.5
100°-110°	92.6	8.4
110°-120°	84.6	7.6
120°-130°	72.1	6.5
130°-140°	56.9	5.1
140°-150°	40.7	3.7
150°-160°	25.6	2.3
160°-170°	12.4	1.1
170°-180°	2.6	0.2
0°-30°	164.8	14.9
0°-40°	220.0	19.9
0°-60°	359.4	32.4
0°-90°	626.1	56.5
90°-120°	271.8	24.5
90°-150°	441.4	39.8
90°-180°	482.0	43.5
0°-180°	1108.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1490	
5°	896	66
15°	168	50
25°	104	49
35°	88	55
45°	83	65
55°	83	75
65°	85	84
75°	86	90
85°	84	69
90°	85	47
95°	87	71
105°	88	93
115°	85	85
125°	80	72
135°	73	57
145°	64	41
155°	55	26
165°	44	12
175°	23	3
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1490.2
2.5°	1617.1
5°	895.8
7.5°	415.4
10°	305.4
12.5°	210.2
15°	167.6
17.5°	142.8
20°	125.4
22.5°	112.5
25°	103.6
27.5°	97.7
30°	93.2
32.5°	90.2
35°	87.7
37.5°	85.8
40°	84.3
42.5°	83.8
45°	83.3
47.5°	82.8
50°	82.8
52.5°	83.3
55°	83.3
57.5°	83.8
60°	83.8
62.5°	84.3
65°	84.8
67.5°	85.3
70°	85.3
72.5°	85.8
75°	85.8
77.5°	85.3
80°	84.3
82.5°	84.3
85°	84.3
87.5°	84.8
90°	85.3
92.5°	86.3
95°	86.8
97.5°	87.3
100°	87.7
102.5°	87.7
105°	87.7
107.5°	87.3
110°	86.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	86.3
115°	85.3
117.5°	84.3
120°	83.3
122.5°	81.8
125°	80.3
127.5°	78.8
130°	77.3
132.5°	75.4
135°	73.4
137.5°	71.4
140°	68.9
142.5°	66.9
145°	64.4
147.5°	62.5
150°	60.0
152.5°	57.5
155°	55.0
157.5°	52.5
160°	49.6
162.5°	47.1
165°	43.6
167.5°	39.7
170°	34.7
172.5°	29.2
175°	22.8
177.5°	16.9
180°	14.9



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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	6.7	7.7	7.6	8.6	9.8	6.7	7.7	7.6	8.6	9.8
	3H	9.5	10.4	10.4	11.4	12.6	9.5	10.4	10.4	11.4	12.6
	4H	10.9	11.8	11.8	12.7	13.9	10.9	11.8	11.8	12.7	13.9
	6H	12.2	13.1	13.2	14.0	15.2	12.2	13.1	13.2	14.0	15.2
	8H	12.9	13.7	13.8	14.6	15.8	12.9	13.7	13.8	14.6	15.8
	12H	13.5	14.3	14.4	15.2	16.5	13.5	14.3	14.4	15.2	16.5
4H	2H	7.4	8.3	8.3	9.2	10.4	7.4	8.3	8.3	9.2	10.4
	3H	10.4	11.2	11.4	12.2	13.4	10.4	11.2	11.4	12.2	13.4
	4H	12.0	12.7	12.9	13.6	14.9	12.0	12.7	12.9	13.6	14.9
	6H	13.5	14.1	14.4	15.1	16.3	13.5	14.1	14.4	15.1	16.3
	8H	14.2	14.8	15.1	15.8	17.0	14.2	14.8	15.1	15.8	17.0
	12H	14.9	15.5	15.9	16.5	17.7	14.9	15.5	15.9	16.5	17.7
8H	4H	12.5	13.1	13.4	14.0	15.3	12.5	13.1	13.4	14.0	15.3
	6H	14.2	14.7	15.1	15.7	16.9	14.2	14.7	15.1	15.7	16.9
	8H	15.0	15.5	16.0	16.5	17.8	15.0	15.5	16.0	16.5	17.8
	12H	15.9	16.4	16.9	17.4	18.7	15.9	16.4	16.9	17.4	18.7
12H	4H	12.6	13.1	13.5	14.1	15.3	12.6	13.1	13.5	14.1	15.3
	6H	14.3	14.8	15.3	15.8	17.1	14.3	14.8	15.3	15.8	17.1
	8H	15.3	15.7	16.3	16.7	18.0	15.3	15.7	16.3	16.7	18.0

(END OF REPORT)