

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: P1245344

Luminaire Tested: PRLX-UNA-L-935-12L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245344  
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-935-12L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

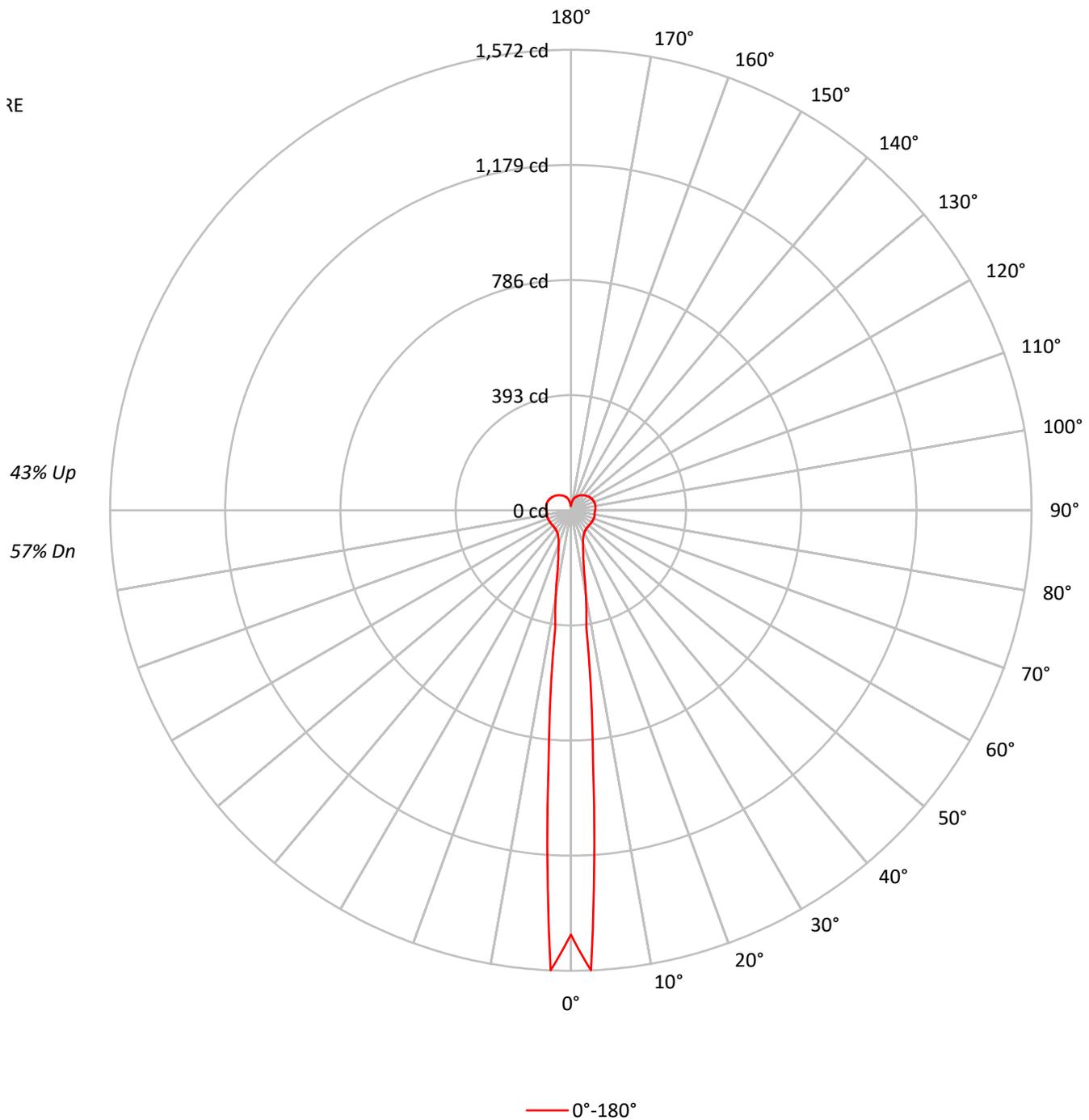
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1077.0 lumens  
Efficiency: N/A  
Efficacy: 35.3 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 (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: 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°	45825
5°	21477
10°	6037
15°	2837
20°	1869
25°	1388
30°	1142
35°	998
40°	900
45°	846
50°	806
55°	785
60°	770
65°	767
70°	765
75°	769
80°	760
85°	771

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 846 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	6.0
10°-20°	48.4	4.5
20°-30°	47.2	4.4
30°-40°	53.7	5.0
40°-50°	62.7	5.8
50°-60°	72.8	6.8
60°-70°	81.7	7.6
70°-80°	87.8	8.2
80°-90°	89.6	8.3
90°-100°	91.9	8.5
100°-110°	90.0	8.4
110°-120°	82.2	7.6
120°-130°	70.1	6.5
130°-140°	55.3	5.1
140°-150°	39.5	3.7
150°-160°	24.9	2.3
160°-170°	12.1	1.1
170°-180°	2.5	0.2
0°-30°	160.2	14.9
0°-40°	213.9	19.9
0°-60°	349.3	32.4
0°-90°	608.5	56.5
90°-120°	264.1	24.5
90°-150°	429.0	39.8
90°-180°	468.0	43.5
0°-180°	1077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1448	
5°	871	65
15°	163	48
25°	101	47
35°	85	54
45°	81	63
55°	81	73
65°	82	82
75°	83	88
85°	82	67
90°	83	45
95°	84	69
105°	85	90
115°	83	82
125°	78	70
135°	71	55
145°	63	40
155°	54	25
165°	42	12
175°	22	2
180°	14	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1448.5
2.5°	1571.9
5°	870.7
7.5°	403.8
10°	296.8
12.5°	204.3
15°	162.9
17.5°	138.8
20°	121.9
22.5°	109.4
25°	100.7
27.5°	94.9
30°	90.6
32.5°	87.7
35°	85.3
37.5°	83.4
40°	81.9
42.5°	81.4
45°	81.0
47.5°	80.5
50°	80.5
52.5°	81.0
55°	81.0
57.5°	81.4
60°	81.4
62.5°	81.9
65°	82.4
67.5°	82.9
70°	82.9
72.5°	83.4
75°	83.4
77.5°	82.9
80°	81.9
82.5°	81.9
85°	81.9
87.5°	82.4
90°	82.9
92.5°	83.8
95°	84.3
97.5°	84.8
100°	85.3
102.5°	85.3
105°	85.3
107.5°	84.8
110°	84.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	83.8
115°	82.9
117.5°	81.9
120°	81.0
122.5°	79.5
125°	78.1
127.5°	76.6
130°	75.2
132.5°	73.2
135°	71.3
137.5°	69.4
140°	67.0
142.5°	65.1
145°	62.6
147.5°	60.7
150°	58.3
152.5°	55.9
155°	53.5
157.5°	51.1
160°	48.2
162.5°	45.8
165°	42.4
167.5°	38.5
170°	33.7
172.5°	28.4
175°	22.2
177.5°	16.4
180°	14.5



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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	6.6	7.6	7.5	8.5	9.7	6.6	7.6	7.5	8.5	9.7
	3H	9.4	10.3	10.3	11.3	12.5	9.4	10.3	10.3	11.3	12.5
	4H	10.8	11.7	11.7	12.6	13.8	10.8	11.7	11.7	12.6	13.8
	6H	12.1	13.0	13.1	13.9	15.1	12.1	13.0	13.1	13.9	15.1
	8H	12.8	13.6	13.7	14.5	15.7	12.8	13.6	13.7	14.5	15.7
	12H	13.4	14.2	14.3	15.1	16.4	13.4	14.2	14.3	15.1	16.4
4H	2H	7.3	8.2	8.2	9.1	10.3	7.3	8.2	8.2	9.1	10.3
	3H	10.3	11.1	11.3	12.1	13.3	10.3	11.1	11.3	12.1	13.3
	4H	11.9	12.6	12.8	13.5	14.8	11.9	12.6	12.8	13.5	14.8
	6H	13.4	14.0	14.3	15.0	16.2	13.4	14.0	14.3	15.0	16.2
	8H	14.1	14.7	15.0	15.7	16.9	14.1	14.7	15.0	15.7	16.9
	12H	14.8	15.4	15.8	16.4	17.6	14.8	15.4	15.8	16.4	17.6
8H	4H	12.4	13.0	13.3	13.9	15.2	12.4	13.0	13.3	13.9	15.2
	6H	14.1	14.6	15.0	15.6	16.8	14.1	14.6	15.0	15.6	16.8
	8H	14.9	15.4	15.9	16.4	17.7	14.9	15.4	15.9	16.4	17.7
	12H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
12H	4H	12.5	13.0	13.4	14.0	15.2	12.5	13.0	13.4	14.0	15.2
	6H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	8H	15.2	15.6	16.2	16.6	17.9	15.2	15.6	16.2	16.6	17.9

(END OF REPORT)