

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: P1245345

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

Issue Date: 1/30/2026

**Test Information**

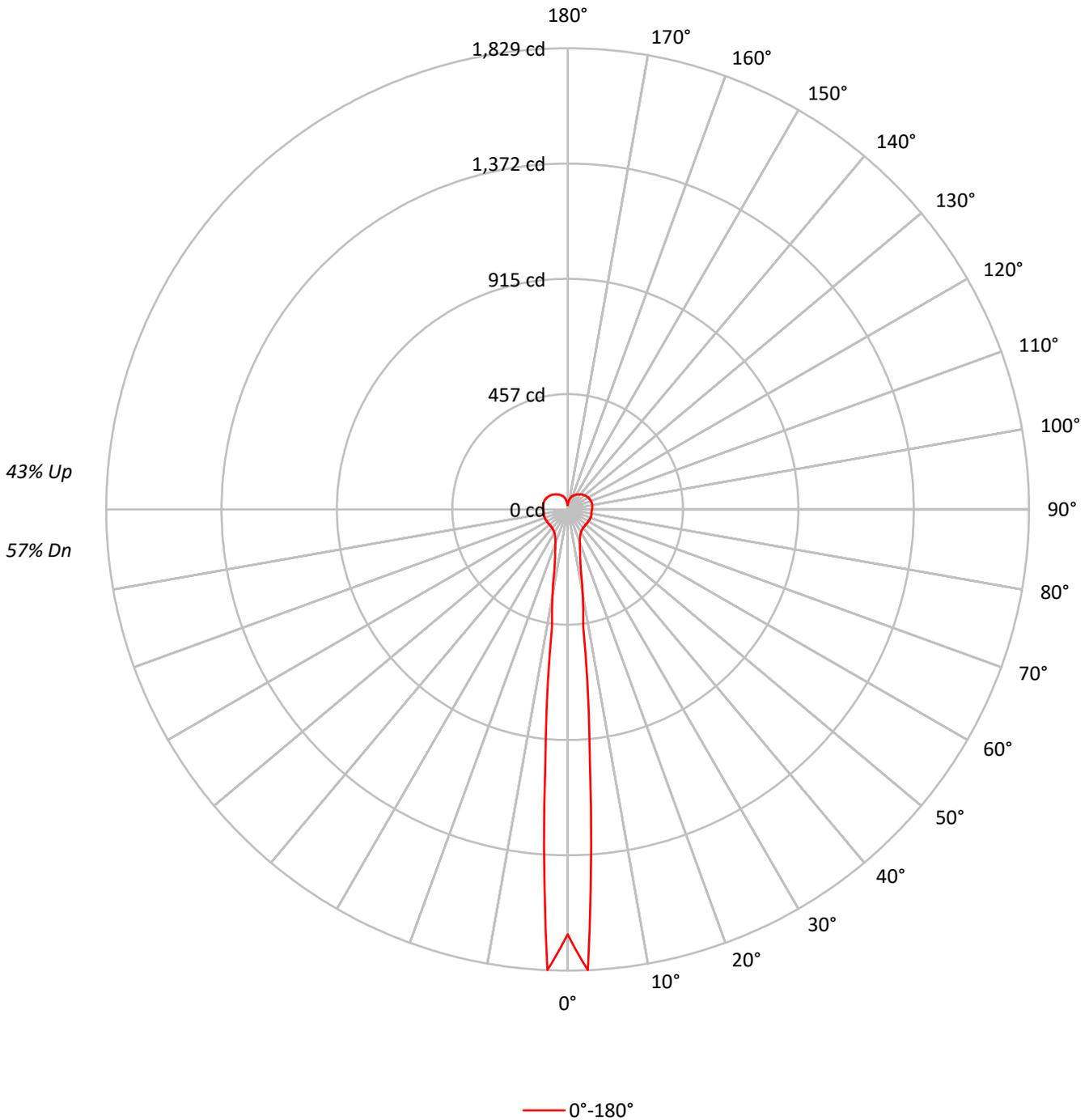
Test Method: LM-79-2019  
Report Number: P1245345  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-935-12L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1252.9 lumens  
Efficiency: N/A  
Efficacy: 41.1 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

TEST NUMBER: P1245345  
CATALOG NUMBER: PRLX-UNA-L-935-12L-U-OW

### Luminous Intensity Polar Plot





TEST NUMBER: P1245345

CATALOG NUMBER: PRLX-UNA-L-935-12L-U-OW

**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	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°	53314
5°	24987
10°	7023
15°	3301
20°	2174
25°	1616
30°	1329
35°	1161
40°	1048
45°	983
50°	937
55°	913
60°	895
65°	892
70°	889
75°	894
80°	884
85°	897

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 983 cd/sqm

TEST NUMBER: P1245345

CATALOG NUMBER: PRLX-UNA-L-935-12L-U-OW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.1	6.0
10°-20°	56.3	4.5
20°-30°	54.9	4.4
30°-40°	62.5	5.0
40°-50°	73.0	5.8
50°-60°	84.6	6.8
60°-70°	95.1	7.6
70°-80°	102.2	8.2
80°-90°	104.3	8.3
90°-100°	106.9	8.5
100°-110°	104.7	8.4
110°-120°	95.7	7.6
120°-130°	81.5	6.5
130°-140°	64.3	5.1
140°-150°	46.0	3.7
150°-160°	28.9	2.3
160°-170°	14.1	1.1
170°-180°	2.9	0.2
0°-30°	186.3	14.9
0°-40°	248.8	19.9
0°-60°	406.4	32.4
0°-90°	707.9	56.5
90°-120°	307.3	24.5
90°-150°	499.1	39.8
90°-180°	545.0	43.5
0°-180°	1252.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1685	
5°	1013	75
15°	190	56
25°	117	55
35°	99	62
45°	94	73
55°	94	85
65°	96	95
75°	97	102
85°	95	78
90°	96	53
95°	98	80
105°	99	105
115°	96	96
125°	91	82
135°	83	64
145°	73	46
155°	62	29
165°	49	14
175°	26	3
180°	17	

TEST NUMBER: P1245345

CATALOG NUMBER: PRLX-UNA-L-935-12L-U-OW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1685.2
2.5°	1828.7
5°	1013.0
7.5°	469.8
10°	345.3
12.5°	237.7
15°	189.5
17.5°	161.5
20°	141.8
22.5°	127.3
25°	117.2
27.5°	110.4
30°	105.4
32.5°	102.0
35°	99.2
37.5°	97.0
40°	95.3
42.5°	94.7
45°	94.2
47.5°	93.6
50°	93.6
52.5°	94.2
55°	94.2
57.5°	94.7
60°	94.7
62.5°	95.3
65°	95.9
67.5°	96.4
70°	96.4
72.5°	97.0
75°	97.0
77.5°	96.4
80°	95.3
82.5°	95.3
85°	95.3
87.5°	95.9
90°	96.4
92.5°	97.5
95°	98.1
97.5°	98.7
100°	99.2
102.5°	99.2
105°	99.2
107.5°	98.7
110°	98.1

TEST NUMBER: P1245345

CATALOG NUMBER: PRLX-UNA-L-935-12L-U-OW

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	97.5
115°	96.4
117.5°	95.3
120°	94.2
122.5°	92.5
125°	90.8
127.5°	89.1
130°	87.5
132.5°	85.2
135°	83.0
137.5°	80.7
140°	77.9
142.5°	75.7
145°	72.9
147.5°	70.6
150°	67.8
152.5°	65.0
155°	62.2
157.5°	59.4
160°	56.1
162.5°	53.3
165°	49.3
167.5°	44.8
170°	39.2
172.5°	33.1
175°	25.8
177.5°	19.1
180°	16.8



TEST NUMBER: P1245345

CATALOG NUMBER: PRLX-UNA-L-935-12L-U-OW

**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	7.1	8.1	8.0	9.0	10.2	7.1	8.1	8.0	9.0	10.2
	3H	9.9	10.9	10.8	11.8	13.0	9.9	10.9	10.8	11.8	13.0
	4H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	6H	12.7	13.5	13.6	14.4	15.6	12.7	13.5	13.6	14.4	15.6
	8H	13.3	14.1	14.2	15.0	16.3	13.3	14.1	14.2	15.0	16.3
	12H	13.9	14.7	14.9	15.6	16.9	13.9	14.7	14.9	15.6	16.9
4H	2H	7.8	8.7	8.7	9.6	10.8	7.8	8.7	8.7	9.6	10.8
	3H	10.9	11.6	11.8	12.6	13.8	10.9	11.6	11.8	12.6	13.8
	4H	12.4	13.1	13.3	14.1	15.3	12.4	13.1	13.3	14.1	15.3
	6H	13.9	14.5	14.8	15.5	16.7	13.9	14.5	14.8	15.5	16.7
	8H	14.6	15.2	15.6	16.2	17.5	14.6	15.2	15.6	16.2	17.5
	12H	15.4	15.9	16.3	16.9	18.2	15.4	15.9	16.3	16.9	18.2
8H	4H	12.9	13.5	13.8	14.5	15.7	12.9	13.5	13.8	14.5	15.7
	6H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4
	8H	15.5	15.9	16.4	16.9	18.2	15.5	15.9	16.4	16.9	18.2
	12H	16.4	16.8	17.4	17.8	19.1	16.4	16.8	17.4	17.8	19.1
12H	4H	13.0	13.5	13.9	14.5	15.8	13.0	13.5	13.9	14.5	15.8
	6H	14.8	15.2	15.7	16.2	17.5	14.8	15.2	15.7	16.2	17.5
	8H	15.7	16.1	16.7	17.1	18.4	15.7	16.1	16.7	17.1	18.4

(END OF REPORT)