

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: P1245336

Luminaire Tested: PRLX-UNA-L-935-02L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245336  
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-935-02L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

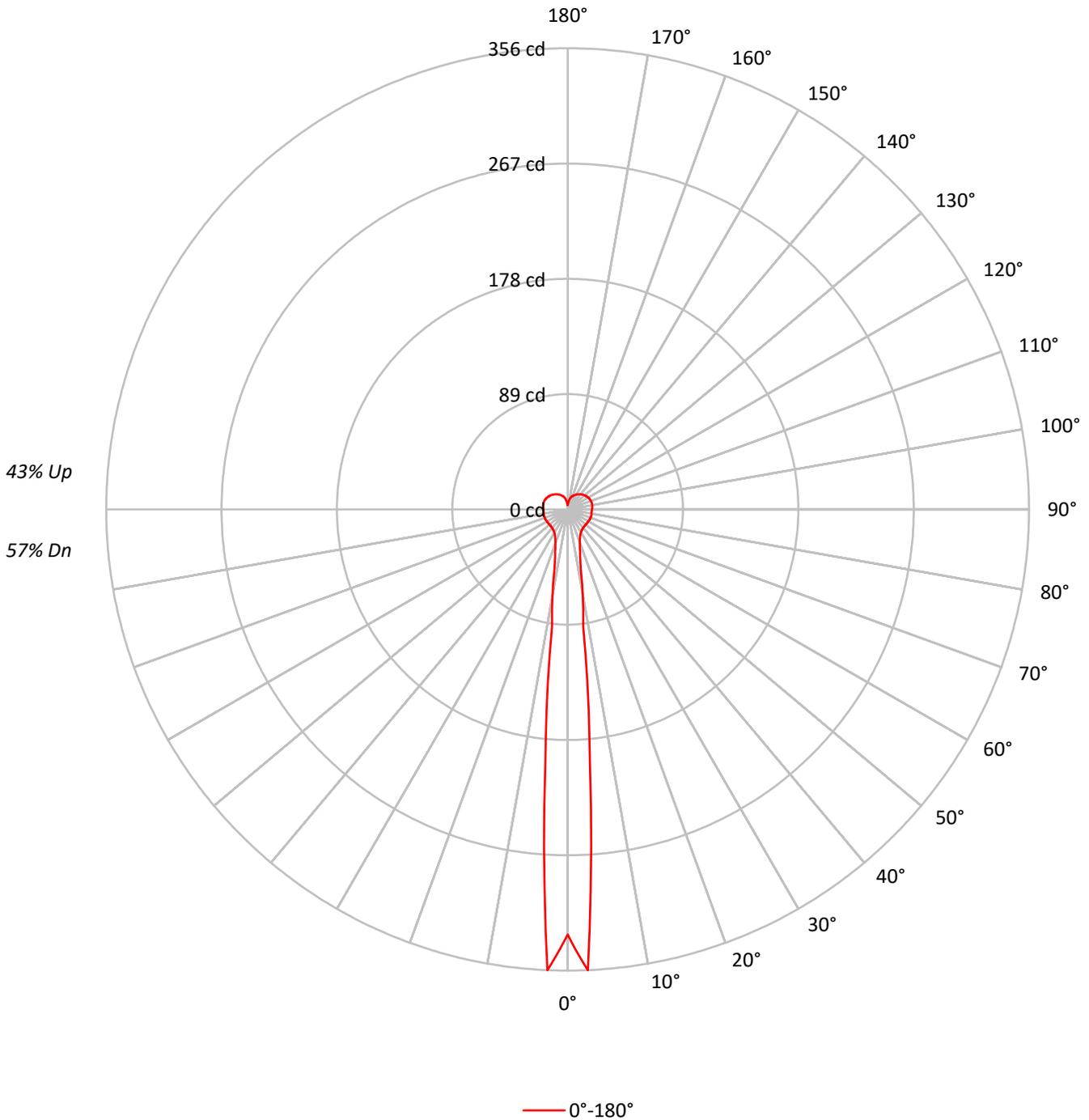
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 244.0 lumens  
Efficiency: N/A  
Efficacy: 43.6 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): 5.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1245336

CATALOG NUMBER: PRLX-UNA-L-935-02L-U-OW

### Luminous Intensity Polar Plot





TEST NUMBER: P1245336

CATALOG NUMBER: PRLX-UNA-L-935-02L-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	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	67	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	36		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°	10383
5°	4867
10°	1367
15°	643
20°	423
25°	314
30°	258
35°	226
40°	204
45°	191
50°	182
55°	177
60°	174
65°	174
70°	173
75°	174
80°	173
85°	175

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 191 cd/sqm



TEST NUMBER: P1245336

CATALOG NUMBER: PRLX-UNA-L-935-02L-U-OW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.6	6.0
10°-20°	11.0	4.5
20°-30°	10.7	4.4
30°-40°	12.2	5.0
40°-50°	14.2	5.8
50°-60°	16.4	6.7
60°-70°	18.5	7.6
70°-80°	19.9	8.2
80°-90°	20.3	8.3
90°-100°	20.8	8.5
100°-110°	20.4	8.3
110°-120°	18.6	7.6
120°-130°	15.9	6.5
130°-140°	12.5	5.1
140°-150°	9.0	3.7
150°-160°	5.6	2.3
160°-170°	2.7	1.1
170°-180°	0.6	0.2
0°-30°	36.3	14.9
0°-40°	48.4	19.9
0°-60°	79.1	32.4
0°-90°	137.9	56.5
90°-120°	59.8	24.5
90°-150°	97.2	39.8
90°-180°	106.0	43.4
0°-180°	244.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	328	
5°	197	15
15°	37	11
25°	23	11
35°	19	12
45°	18	14
55°	18	16
65°	19	19
75°	19	20
85°	19	15
90°	19	10
95°	19	16
105°	19	20
115°	19	19
125°	18	16
135°	16	13
145°	14	9
155°	12	6
165°	10	3
175°	5	1
180°	3	

TEST NUMBER: P1245336

CATALOG NUMBER: PRLX-UNA-L-935-02L-U-OW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	328.2
2.5°	356.1
5°	197.3
7.5°	91.5
10°	67.2
12.5°	46.3
15°	36.9
17.5°	31.4
20°	27.6
22.5°	24.8
25°	22.8
27.5°	21.5
30°	20.5
32.5°	19.9
35°	19.3
37.5°	18.9
40°	18.6
42.5°	18.4
45°	18.3
47.5°	18.2
50°	18.2
52.5°	18.3
55°	18.3
57.5°	18.4
60°	18.4
62.5°	18.6
65°	18.7
67.5°	18.8
70°	18.8
72.5°	18.9
75°	18.9
77.5°	18.8
80°	18.6
82.5°	18.6
85°	18.6
87.5°	18.7
90°	18.8
92.5°	19.0
95°	19.1
97.5°	19.2
100°	19.3
102.5°	19.3
105°	19.3
107.5°	19.2
110°	19.1

TEST NUMBER: P1245336

CATALOG NUMBER: PRLX-UNA-L-935-02L-U-OW

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	19.0
115°	18.8
117.5°	18.6
120°	18.3
122.5°	18.0
125°	17.7
127.5°	17.4
130°	17.0
132.5°	16.6
135°	16.2
137.5°	15.7
140°	15.2
142.5°	14.7
145°	14.2
147.5°	13.8
150°	13.2
152.5°	12.7
155°	12.1
157.5°	11.6
160°	10.9
162.5°	10.4
165°	9.6
167.5°	8.7
170°	7.6
172.5°	6.4
175°	5.0
177.5°	3.7
180°	3.3



TEST NUMBER: P1245336

CATALOG NUMBER: PRLX-UNA-L-935-02L-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	1.4	2.4	2.3	3.3	4.5	1.4	2.4	2.3	3.3	4.5
	3H	4.3	5.2	5.1	6.1	7.3	4.3	5.2	5.1	6.1	7.3
	4H	5.6	6.5	6.5	7.5	8.7	5.6	6.5	6.5	7.5	8.7
	6H	7.0	7.8	7.9	8.7	10.0	7.0	7.8	7.9	8.7	10.0
	8H	7.6	8.4	8.5	9.4	10.6	7.6	8.4	8.5	9.4	10.6
	12H	8.3	9.0	9.2	10.0	11.2	8.3	9.0	9.2	10.0	11.2
4H	2H	2.1	3.0	3.0	3.9	5.1	2.1	3.0	3.0	3.9	5.1
	3H	5.2	5.9	6.1	6.9	8.1	5.2	5.9	6.1	6.9	8.1
	4H	6.7	7.4	7.6	8.4	9.6	6.7	7.4	7.6	8.4	9.6
	6H	8.2	8.9	9.2	9.8	11.1	8.2	8.9	9.2	9.8	11.1
	8H	9.0	9.6	9.9	10.5	11.8	9.0	9.6	9.9	10.5	11.8
	12H	9.7	10.2	10.6	11.2	12.5	9.7	10.2	10.6	11.2	12.5
8H	4H	7.2	7.8	8.1	8.8	10.0	7.2	7.8	8.1	8.8	10.0
	6H	8.9	9.4	9.9	10.4	11.7	8.9	9.4	9.9	10.4	11.7
	8H	9.8	10.3	10.8	11.3	12.5	9.8	10.3	10.8	11.3	12.5
	12H	10.7	11.1	11.7	12.1	13.4	10.7	11.1	11.7	12.1	13.4
12H	4H	7.3	7.8	8.3	8.8	10.1	7.3	7.8	8.3	8.8	10.1
	6H	9.1	9.5	10.1	10.5	11.8	9.1	9.5	10.1	10.5	11.8
	8H	10.0	10.5	11.0	11.5	12.8	10.0	10.5	11.0	11.5	12.8

(END OF REPORT)