

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: P1245351

Luminaire Tested: PRLX-UNA-L-935-20L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245351  
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-935-20L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE  
LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

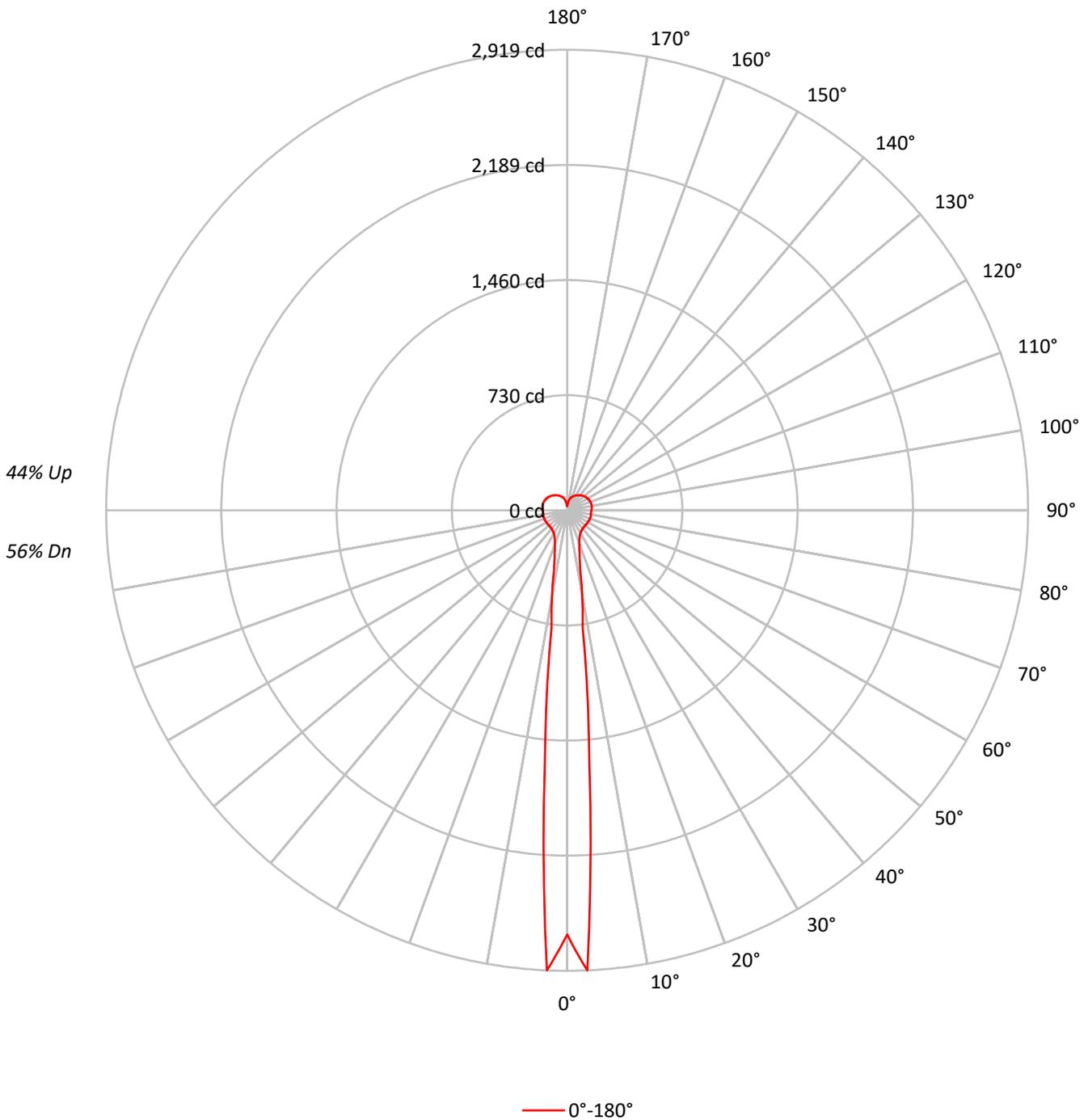
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1999.9 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): 48.6  
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: P1245351

CATALOG NUMBER: PRLX-UNA-L-935-20L-U-OW

### Luminous Intensity Polar Plot





TEST NUMBER: P1245351

CATALOG NUMBER: PRLX-UNA-L-935-20L-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	56
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°	85099
5°	39885
10°	11211
15°	5269
20°	3471
25°	2578
30°	2121
35°	1853
40°	1672
45°	1569
50°	1496
55°	1456
60°	1430
65°	1423
70°	1420
75°	1427
80°	1411
85°	1432

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1569 cd/sqm

TEST NUMBER: P1245351

CATALOG NUMBER: PRLX-UNA-L-935-20L-U-OW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	6.0
10°-20°	89.9	4.5
20°-30°	87.6	4.4
30°-40°	99.7	5.0
40°-50°	116.5	5.8
50°-60°	135.1	6.8
60°-70°	151.8	7.6
70°-80°	163.0	8.2
80°-90°	166.4	8.3
90°-100°	170.7	8.5
100°-110°	167.1	8.4
110°-120°	152.7	7.6
120°-130°	130.1	6.5
130°-140°	102.6	5.1
140°-150°	73.4	3.7
150°-160°	46.2	2.3
160°-170°	22.5	1.1
170°-180°	4.6	0.2
0°-30°	297.4	14.9
0°-40°	397.1	19.9
0°-60°	648.6	32.4
0°-90°	1129.9	56.5
90°-120°	490.5	24.5
90°-150°	796.7	39.8
90°-180°	870.0	43.5
0°-180°	1999.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2690	
5°	1617	120
15°	302	90
25°	187	88
35°	158	100
45°	150	116
55°	150	135
65°	153	152
75°	155	163
85°	152	124
90°	154	84
95°	157	128
105°	158	167
115°	154	153
125°	145	130
135°	132	103
145°	116	73
155°	99	46
165°	79	22
175°	41	5
180°	27	

TEST NUMBER: P1245351

CATALOG NUMBER: PRLX-UNA-L-935-20L-U-OW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2689.9
2.5°	2919.0
5°	1617.0
7.5°	749.9
10°	551.2
12.5°	379.4
15°	302.5
17.5°	257.7
20°	226.4
22.5°	203.1
25°	187.0
27.5°	176.3
30°	168.2
32.5°	162.9
35°	158.4
37.5°	154.8
40°	152.1
42.5°	151.2
45°	150.3
47.5°	149.4
50°	149.4
52.5°	150.3
55°	150.3
57.5°	151.2
60°	151.2
62.5°	152.1
65°	153.0
67.5°	153.9
70°	153.9
72.5°	154.8
75°	154.8
77.5°	153.9
80°	152.1
82.5°	152.1
85°	152.1
87.5°	153.0
90°	153.9
92.5°	155.7
95°	156.6
97.5°	157.5
100°	158.4
102.5°	158.4
105°	158.4
107.5°	157.5
110°	156.6

TEST NUMBER: P1245351

CATALOG NUMBER: PRLX-UNA-L-935-20L-U-OW

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	155.7
115°	153.9
117.5°	152.1
120°	150.3
122.5°	147.6
125°	145.0
127.5°	142.3
130°	139.6
132.5°	136.0
135°	132.4
137.5°	128.9
140°	124.4
142.5°	120.8
145°	116.3
147.5°	112.7
150°	108.3
152.5°	103.8
155°	99.3
157.5°	94.9
160°	89.5
162.5°	85.0
165°	78.7
167.5°	71.6
170°	62.6
172.5°	52.8
175°	41.2
177.5°	30.4
180°	26.8



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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	8.7	9.7	9.6	10.7	11.8	8.7	9.7	9.6	10.7	11.8
	3H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	4H	12.9	13.8	13.8	14.8	16.0	12.9	13.8	13.8	14.8	16.0
	6H	14.3	15.1	15.2	16.0	17.3	14.3	15.1	15.2	16.0	17.3
	8H	14.9	15.7	15.8	16.7	17.9	14.9	15.7	15.8	16.7	17.9
	12H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
4H	2H	9.4	10.3	10.4	11.3	12.5	9.4	10.3	10.4	11.3	12.5
	3H	12.5	13.3	13.4	14.2	15.4	12.5	13.3	13.4	14.2	15.4
	4H	14.0	14.7	14.9	15.7	16.9	14.0	14.7	14.9	15.7	16.9
	6H	15.5	16.2	16.5	17.1	18.4	15.5	16.2	16.5	17.1	18.4
	8H	16.3	16.9	17.2	17.8	19.1	16.3	16.9	17.2	17.8	19.1
	12H	17.0	17.5	17.9	18.5	19.8	17.0	17.5	17.9	18.5	19.8
8H	4H	14.5	15.1	15.4	16.1	17.3	14.5	15.1	15.4	16.1	17.3
	6H	16.2	16.7	17.2	17.7	19.0	16.2	16.7	17.2	17.7	19.0
	8H	17.1	17.6	18.1	18.6	19.8	17.1	17.6	18.1	18.6	19.8
	12H	18.0	18.4	19.0	19.4	20.7	18.0	18.4	19.0	19.4	20.7
12H	4H	14.6	15.2	15.6	16.1	17.4	14.6	15.2	15.6	16.1	17.4
	6H	16.4	16.9	17.4	17.8	19.1	16.4	16.9	17.4	17.8	19.1
	8H	17.3	17.8	18.3	18.8	20.1	17.3	17.8	18.3	18.8	20.1

(END OF REPORT)