

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: P1245297

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245297  
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-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

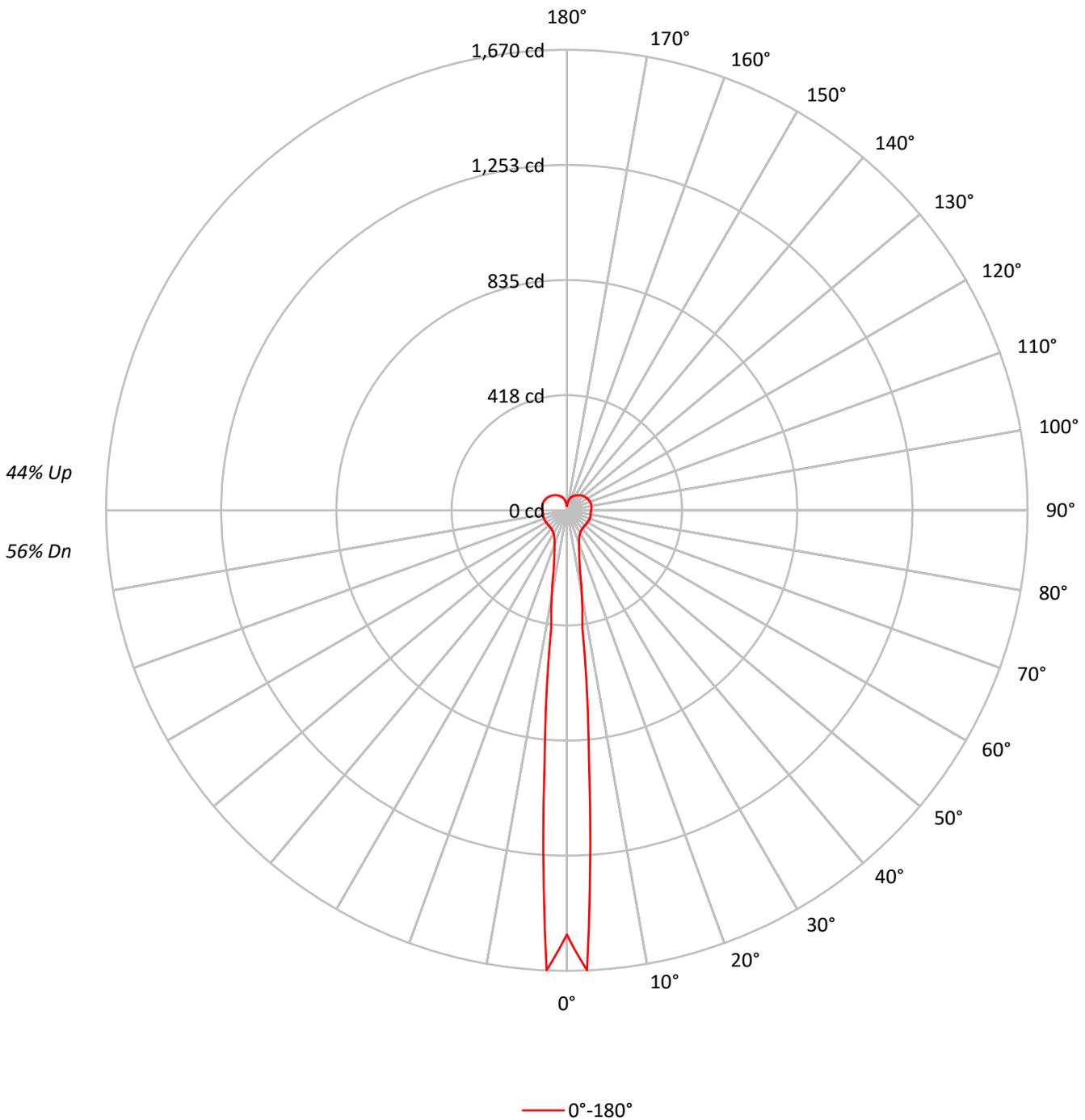
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1143.9 lumens  
Efficiency: N/A  
Efficacy: 37.5 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<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

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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	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°	48676
5°	22814
10°	6413
15°	3013
20°	1985
25°	1475
30°	1213
35°	1060
40°	956
45°	898
50°	856
55°	833
60°	818
65°	814
70°	812
75°	816
80°	807
85°	819

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 898 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.6	6.0
10°-20°	51.4	4.5
20°-30°	50.1	4.4
30°-40°	57.0	5.0
40°-50°	66.6	5.8
50°-60°	77.3	6.8
60°-70°	86.8	7.6
70°-80°	93.2	8.1
80°-90°	95.2	8.3
90°-100°	97.7	8.5
100°-110°	95.6	8.4
110°-120°	87.3	7.6
120°-130°	74.5	6.5
130°-140°	58.7	5.1
140°-150°	42.0	3.7
150°-160°	26.4	2.3
160°-170°	12.8	1.1
170°-180°	2.6	0.2
0°-30°	170.1	14.9
0°-40°	227.1	19.9
0°-60°	371.1	32.4
0°-90°	646.3	56.5
90°-120°	280.6	24.5
90°-150°	455.7	39.8
90°-180°	498.0	43.5
0°-180°	1143.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1539	
5°	925	69
15°	173	51
25°	107	50
35°	91	57
45°	86	67
55°	86	77
65°	88	87
75°	88	93
85°	87	71
90°	88	48
95°	90	73
105°	91	96
115°	88	87
125°	83	74
135°	76	59
145°	66	42
155°	57	26
165°	45	13
175°	24	3
180°	15	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1538.6
2.5°	1669.7
5°	924.9
7.5°	428.9
10°	315.3
12.5°	217.0
15°	173.0
17.5°	147.4
20°	129.5
22.5°	116.2
25°	107.0
27.5°	100.8
30°	96.2
32.5°	93.2
35°	90.6
37.5°	88.5
40°	87.0
42.5°	86.5
45°	86.0
47.5°	85.5
50°	85.5
52.5°	86.0
55°	86.0
57.5°	86.5
60°	86.5
62.5°	87.0
65°	87.5
67.5°	88.0
70°	88.0
72.5°	88.5
75°	88.5
77.5°	88.0
80°	87.0
82.5°	87.0
85°	87.0
87.5°	87.5
90°	88.0
92.5°	89.1
95°	89.6
97.5°	90.1
100°	90.6
102.5°	90.6
105°	90.6
107.5°	90.1
110°	89.6

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	89.1
115°	88.0
117.5°	87.0
120°	86.0
122.5°	84.5
125°	82.9
127.5°	81.4
130°	79.8
132.5°	77.8
135°	75.8
137.5°	73.7
140°	71.1
142.5°	69.1
145°	66.5
147.5°	64.5
150°	61.9
152.5°	59.4
155°	56.8
157.5°	54.3
160°	51.2
162.5°	48.6
165°	45.0
167.5°	40.9
170°	35.8
172.5°	30.2
175°	23.5
177.5°	17.4
180°	15.4



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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	6.8	7.8	7.7	8.7	9.9	6.8	7.8	7.7	8.7	9.9
	3H	9.6	10.6	10.5	11.5	12.7	9.6	10.6	10.5	11.5	12.7
	4H	11.0	11.9	11.9	12.8	14.0	11.0	11.9	11.9	12.8	14.0
	6H	12.3	13.2	13.3	14.1	15.3	12.3	13.2	13.3	14.1	15.3
	8H	13.0	13.8	13.9	14.7	15.9	13.0	13.8	13.9	14.7	15.9
	12H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
4H	2H	7.5	8.4	8.4	9.3	10.5	7.5	8.4	8.4	9.3	10.5
	3H	10.5	11.3	11.5	12.3	13.5	10.5	11.3	11.5	12.3	13.5
	4H	12.1	12.8	13.0	13.7	15.0	12.1	12.8	13.0	13.7	15.0
	6H	13.6	14.2	14.5	15.2	16.4	13.6	14.2	14.5	15.2	16.4
	8H	14.3	14.9	15.3	15.9	17.1	14.3	14.9	15.3	15.9	17.1
	12H	15.0	15.6	16.0	16.6	17.8	15.0	15.6	16.0	16.6	17.8
8H	4H	12.6	13.2	13.5	14.1	15.4	12.6	13.2	13.5	14.1	15.4
	6H	14.3	14.8	15.2	15.8	17.0	14.3	14.8	15.2	15.8	17.0
	8H	15.1	15.6	16.1	16.6	17.9	15.1	15.6	16.1	16.6	17.9
	12H	16.1	16.5	17.0	17.5	18.8	16.1	16.5	17.0	17.5	18.8
12H	4H	12.7	13.2	13.6	14.2	15.5	12.7	13.2	13.6	14.2	15.5
	6H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
	8H	15.4	15.8	16.4	16.8	18.1	15.4	15.8	16.4	16.8	18.1

(END OF REPORT)