

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: P1245295

Luminaire Tested: PRLX-UNA-L-927-09L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245295  
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-927-09L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

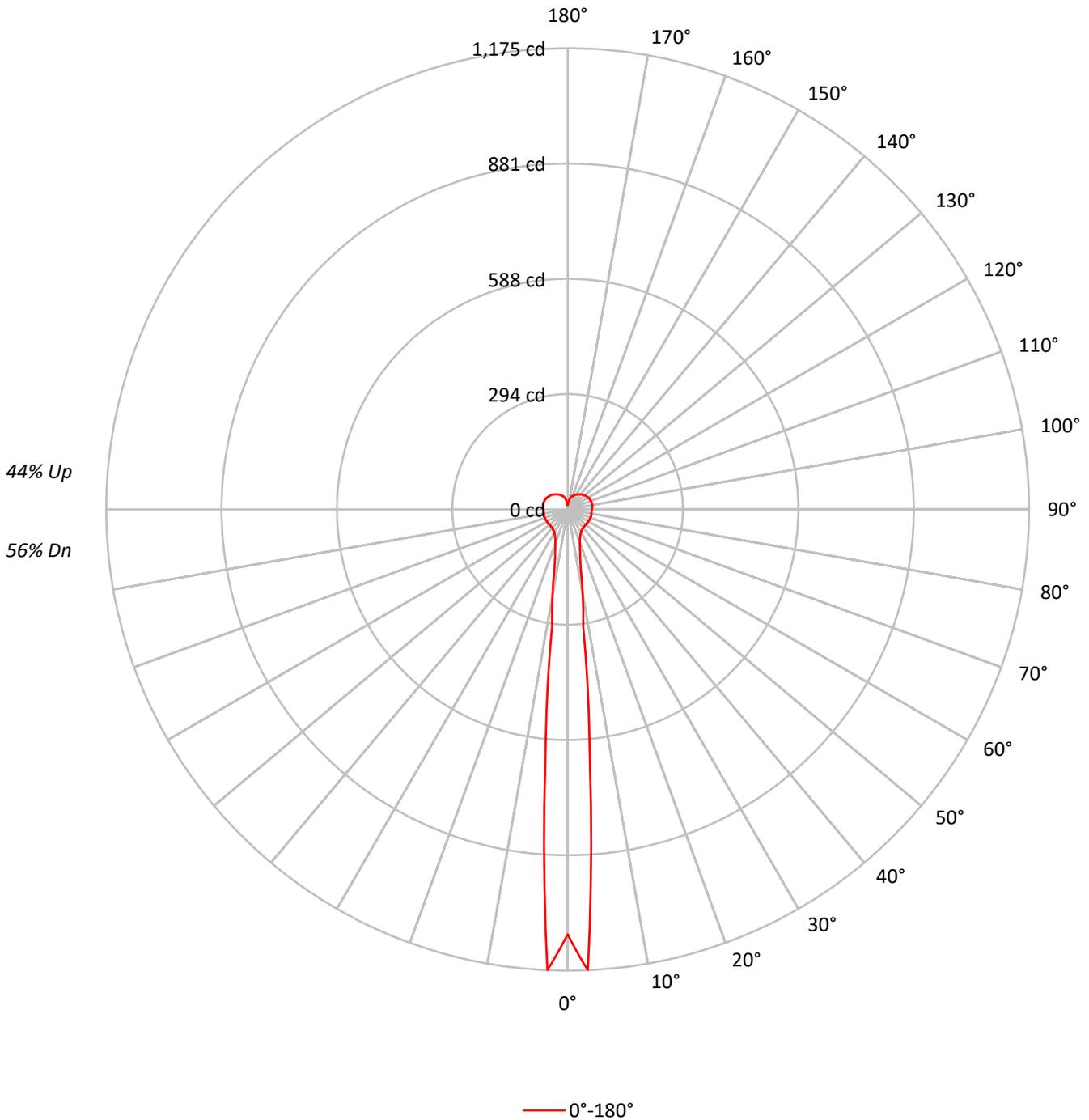
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 804.9 lumens  
Efficiency: N/A  
Efficacy: 35.6 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): 22.6  
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

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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°	34253
5°	16053
10°	4513
15°	2120
20°	1397
25°	1038
30°	854
35°	746
40°	673
45°	632
50°	602
55°	586
60°	576
65°	573
70°	571
75°	574
80°	568
85°	576

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 632 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.3	6.0
10°-20°	36.2	4.5
20°-30°	35.3	4.4
30°-40°	40.1	5.0
40°-50°	46.9	5.8
50°-60°	54.4	6.8
60°-70°	61.1	7.6
70°-80°	65.6	8.1
80°-90°	67.0	8.3
90°-100°	68.7	8.5
100°-110°	67.3	8.4
110°-120°	61.4	7.6
120°-130°	52.4	6.5
130°-140°	41.3	5.1
140°-150°	29.5	3.7
150°-160°	18.6	2.3
160°-170°	9.0	1.1
170°-180°	1.9	0.2
0°-30°	119.7	14.9
0°-40°	159.9	19.9
0°-60°	261.1	32.4
0°-90°	454.8	56.5
90°-120°	197.5	24.5
90°-150°	320.7	39.8
90°-180°	350.0	43.5
0°-180°	804.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1083	
5°	651	48
15°	122	36
25°	75	35
35°	64	40
45°	60	47
55°	60	54
65°	62	61
75°	62	66
85°	61	50
90°	62	34
95°	63	52
105°	64	67
115°	62	61
125°	58	52
135°	53	41
145°	47	30
155°	40	19
165°	32	9
175°	17	2
180°	11	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1082.7
2.5°	1174.9
5°	650.8
7.5°	301.8
10°	221.9
12.5°	152.7
15°	121.7
17.5°	103.7
20°	91.1
22.5°	81.8
25°	75.3
27.5°	71.0
30°	67.7
32.5°	65.6
35°	63.8
37.5°	62.3
40°	61.2
42.5°	60.9
45°	60.5
47.5°	60.1
50°	60.1
52.5°	60.5
55°	60.5
57.5°	60.9
60°	60.9
62.5°	61.2
65°	61.6
67.5°	61.9
70°	61.9
72.5°	62.3
75°	62.3
77.5°	61.9
80°	61.2
82.5°	61.2
85°	61.2
87.5°	61.6
90°	61.9
92.5°	62.7
95°	63.0
97.5°	63.4
100°	63.8
102.5°	63.8
105°	63.8
107.5°	63.4
110°	63.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	62.7
115°	61.9
117.5°	61.2
120°	60.5
122.5°	59.4
125°	58.3
127.5°	57.3
130°	56.2
132.5°	54.7
135°	53.3
137.5°	51.9
140°	50.1
142.5°	48.6
145°	46.8
147.5°	45.4
150°	43.6
152.5°	41.8
155°	40.0
157.5°	38.2
160°	36.0
162.5°	34.2
165°	31.7
167.5°	28.8
170°	25.2
172.5°	21.3
175°	16.6
177.5°	12.2
180°	10.8



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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	5.6	6.6	6.5	7.5	8.7	5.6	6.6	6.5	7.5	8.7
	3H	8.4	9.3	9.3	10.3	11.4	8.4	9.3	9.3	10.3	11.4
	4H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	6H	11.1	12.0	12.0	12.9	14.1	11.1	12.0	12.0	12.9	14.1
	8H	11.8	12.6	12.7	13.5	14.7	11.8	12.6	12.7	13.5	14.7
	12H	12.4	13.1	13.3	14.1	15.3	12.4	13.1	13.3	14.1	15.3
4H	2H	6.3	7.2	7.2	8.1	9.3	6.3	7.2	7.2	8.1	9.3
	3H	9.3	10.1	10.2	11.0	12.3	9.3	10.1	10.2	11.0	12.3
	4H	10.9	11.6	11.8	12.5	13.8	10.9	11.6	11.8	12.5	13.8
	6H	12.4	13.0	13.3	14.0	15.2	12.4	13.0	13.3	14.0	15.2
	8H	13.1	13.7	14.0	14.7	15.9	13.1	13.7	14.0	14.7	15.9
	12H	13.8	14.4	14.8	15.4	16.6	13.8	14.4	14.8	15.4	16.6
8H	4H	11.3	11.9	12.3	12.9	14.2	11.3	11.9	12.3	12.9	14.2
	6H	13.0	13.6	14.0	14.6	15.8	13.0	13.6	14.0	14.6	15.8
	8H	13.9	14.4	14.9	15.4	16.7	13.9	14.4	14.9	15.4	16.7
	12H	14.8	15.3	15.8	16.2	17.6	14.8	15.3	15.8	16.2	17.6
12H	4H	11.4	12.0	12.4	13.0	14.2	11.4	12.0	12.4	13.0	14.2
	6H	13.2	13.7	14.2	14.7	16.0	13.2	13.7	14.2	14.7	16.0
	8H	14.2	14.6	15.2	15.6	16.9	14.2	14.6	15.2	15.6	16.9

(END OF REPORT)