

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: P1245302

Luminaire Tested: PRLX-UNA-L-927-20L-U-NL

Issue Date: 1/30/2026

**Test Information**

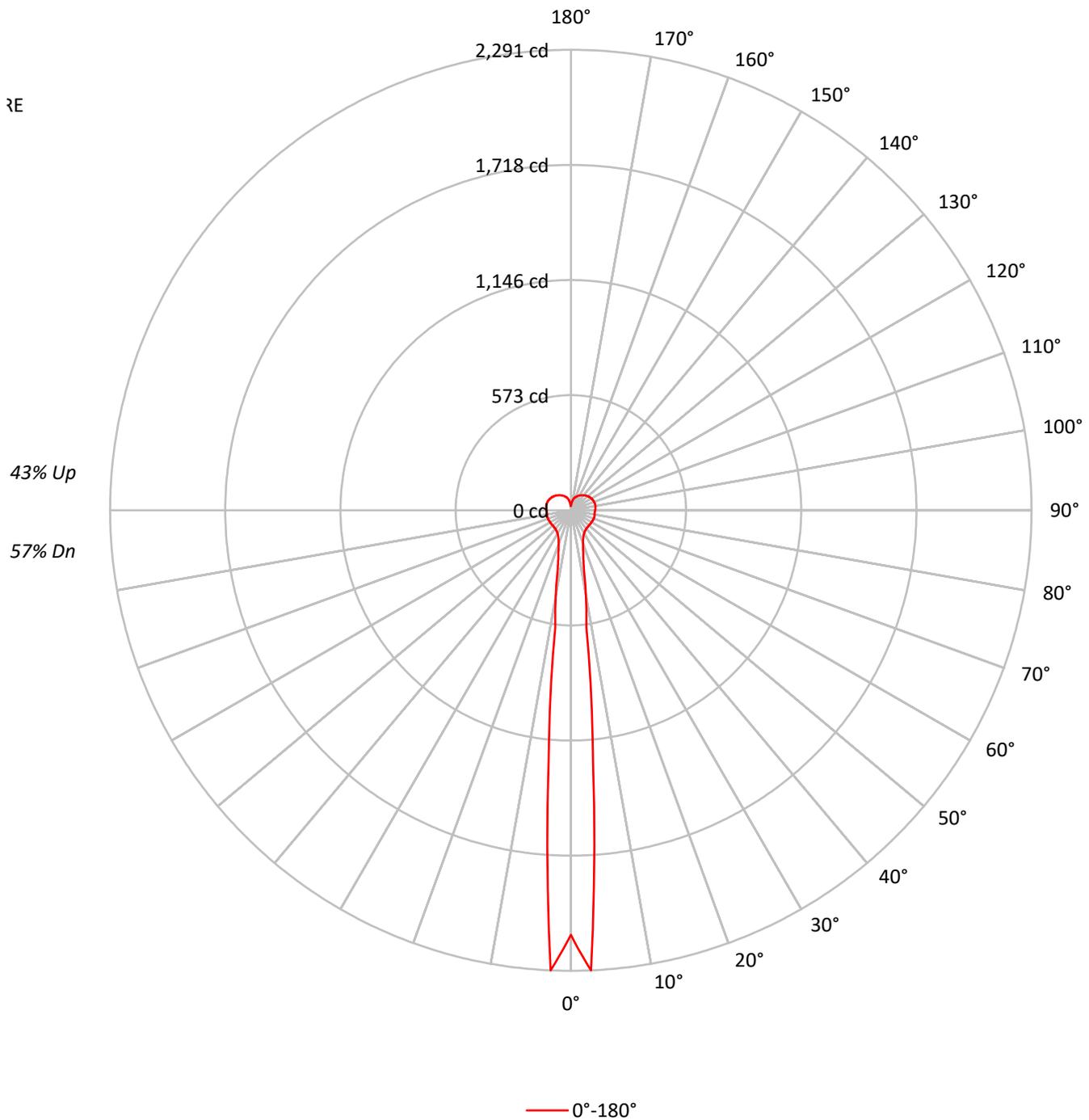
Test Method: LM-79-2019  
Report Number: P1245302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-927-20L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1569.8 lumens  
Efficiency: N/A  
Efficacy: 32.3 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

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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	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°	66803
5°	31309
10°	8801
15°	4135
20°	2724
25°	2024
30°	1666
35°	1454
40°	1312
45°	1232
50°	1174
55°	1143
60°	1122
65°	1117
70°	1114
75°	1120
80°	1108
85°	1124

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1232 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.1	6.0
10°-20°	70.6	4.5
20°-30°	68.8	4.4
30°-40°	78.3	5.0
40°-50°	91.4	5.8
50°-60°	106.0	6.8
60°-70°	119.1	7.6
70°-80°	128.0	8.2
80°-90°	130.7	8.3
90°-100°	134.0	8.5
100°-110°	131.1	8.4
110°-120°	119.9	7.6
120°-130°	102.2	6.5
130°-140°	80.6	5.1
140°-150°	57.6	3.7
150°-160°	36.3	2.3
160°-170°	17.6	1.1
170°-180°	3.6	0.2
0°-30°	233.5	14.9
0°-40°	311.7	19.9
0°-60°	509.2	32.4
0°-90°	887.0	56.5
90°-120°	385.0	24.5
90°-150°	625.4	39.8
90°-180°	683.0	43.5
0°-180°	1569.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2112	
5°	1269	94
15°	237	71
25°	147	69
35°	124	78
45°	118	91
55°	118	106
65°	120	119
75°	122	128
85°	119	98
90°	121	66
95°	123	101
105°	124	131
115°	121	120
125°	114	102
135°	104	81
145°	91	58
155°	78	36
165°	62	18
175°	32	4
180°	21	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2111.6
2.5°	2291.4
5°	1269.3
7.5°	588.7
10°	432.7
12.5°	297.8
15°	237.4
17.5°	202.3
20°	177.7
22.5°	159.5
25°	146.8
27.5°	138.4
30°	132.1
32.5°	127.8
35°	124.3
37.5°	121.5
40°	119.4
42.5°	118.7
45°	118.0
47.5°	117.3
50°	117.3
52.5°	118.0
55°	118.0
57.5°	118.7
60°	118.7
62.5°	119.4
65°	120.1
67.5°	120.8
70°	120.8
72.5°	121.5
75°	121.5
77.5°	120.8
80°	119.4
82.5°	119.4
85°	119.4
87.5°	120.1
90°	120.8
92.5°	122.2
95°	122.9
97.5°	123.6
100°	124.3
102.5°	124.3
105°	124.3
107.5°	123.6
110°	122.9

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	122.2
115°	120.8
117.5°	119.4
120°	118.0
122.5°	115.9
125°	113.8
127.5°	111.7
130°	109.6
132.5°	106.8
135°	104.0
137.5°	101.2
140°	97.6
142.5°	94.8
145°	91.3
147.5°	88.5
150°	85.0
152.5°	81.5
155°	78.0
157.5°	74.5
160°	70.2
162.5°	66.7
165°	61.8
167.5°	56.2
170°	49.2
172.5°	41.4
175°	32.3
177.5°	23.9
180°	21.1



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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	7.9	8.9	8.8	9.8	11.0	7.9	8.9	8.8	9.8	11.0
	3H	10.7	11.7	11.6	12.6	13.8	10.7	11.7	11.6	12.6	13.8
	4H	12.1	13.0	13.0	13.9	15.1	12.1	13.0	13.0	13.9	15.1
	6H	13.4	14.3	14.4	15.2	16.4	13.4	14.3	14.4	15.2	16.4
	8H	14.1	14.9	15.0	15.8	17.0	14.1	14.9	15.0	15.8	17.0
	12H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
4H	2H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	3H	11.6	12.4	12.6	13.4	14.6	11.6	12.4	12.6	13.4	14.6
	4H	13.2	13.9	14.1	14.8	16.1	13.2	13.9	14.1	14.8	16.1
	6H	14.7	15.3	15.6	16.3	17.5	14.7	15.3	15.6	16.3	17.5
	8H	15.4	16.0	16.4	17.0	18.2	15.4	16.0	16.4	17.0	18.2
	12H	16.1	16.7	17.1	17.7	18.9	16.1	16.7	17.1	17.7	18.9
8H	4H	13.7	14.3	14.6	15.2	16.5	13.7	14.3	14.6	15.2	16.5
	6H	15.4	15.9	16.3	16.9	18.1	15.4	15.9	16.3	16.9	18.1
	8H	16.3	16.7	17.2	17.7	19.0	16.3	16.7	17.2	17.7	19.0
	12H	17.2	17.6	18.1	18.6	19.9	17.2	17.6	18.1	18.6	19.9
12H	4H	13.8	14.3	14.7	15.3	16.6	13.8	14.3	14.7	15.3	16.6
	6H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3
	8H	16.5	16.9	17.5	17.9	19.2	16.5	16.9	17.5	17.9	19.2

(END OF REPORT)