

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: P1245305

Luminaire Tested: PRLX-UNA-L-927-23L-U-NL

Issue Date: 1/30/2026

**Test Information**

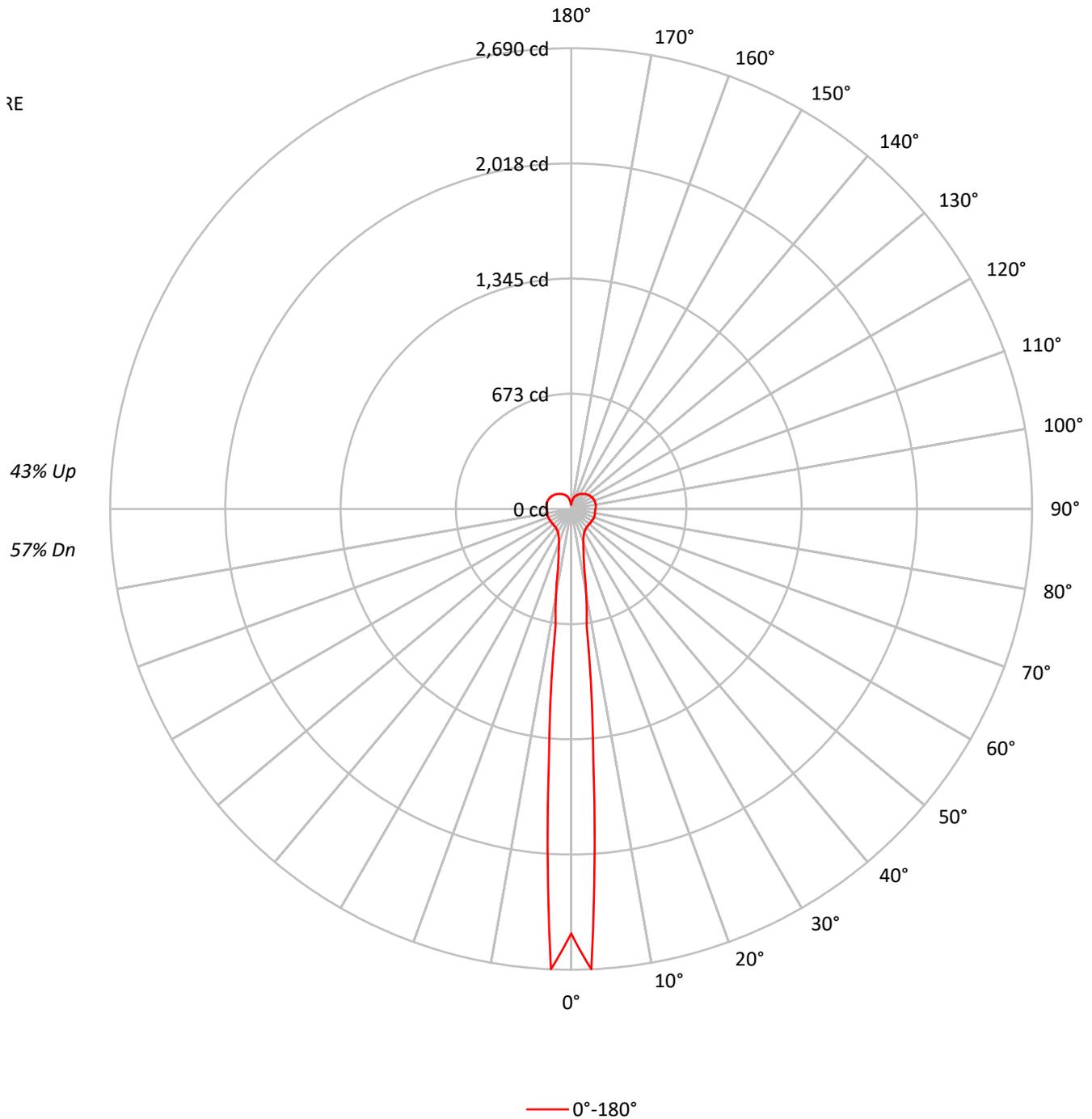
Test Method: LM-79-2019  
Report Number: P1245305  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-927-23L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 7  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1843.0 lumens  
Efficiency: N/A  
Efficacy: 31.7 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): 58.2  
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°	78417
5°	36752
10°	10333
15°	4854
20°	3198
25°	2375
30°	1954
35°	1708
40°	1541
45°	1446
50°	1379
55°	1342
60°	1318
65°	1312
70°	1308
75°	1315
80°	1301
85°	1320

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1446 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.5	6.0
10°-20°	82.9	4.5
20°-30°	80.7	4.4
30°-40°	91.9	5.0
40°-50°	107.3	5.8
50°-60°	124.5	6.8
60°-70°	139.9	7.6
70°-80°	150.3	8.2
80°-90°	153.4	8.3
90°-100°	157.3	8.5
100°-110°	154.0	8.4
110°-120°	140.7	7.6
120°-130°	119.9	6.5
130°-140°	94.5	5.1
140°-150°	67.6	3.7
150°-160°	42.6	2.3
160°-170°	20.7	1.1
170°-180°	4.3	0.2
0°-30°	274.0	14.9
0°-40°	366.0	19.9
0°-60°	597.8	32.4
0°-90°	1041.3	56.5
90°-120°	452.0	24.5
90°-150°	734.2	39.8
90°-180°	802.0	43.5
0°-180°	1843.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2479	
5°	1490	110
15°	279	83
25°	172	81
35°	146	92
45°	138	107
55°	138	124
65°	141	140
75°	143	150
85°	140	115
90°	142	78
95°	144	118
105°	146	154
115°	142	141
125°	134	120
135°	122	95
145°	107	68
155°	92	43
165°	73	21
175°	38	4
180°	25	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2478.7
2.5°	2689.8
5°	1490.0
7.5°	691.0
10°	508.0
12.5°	349.6
15°	278.7
17.5°	237.5
20°	208.6
22.5°	187.2
25°	172.3
27.5°	162.4
30°	155.0
32.5°	150.1
35°	146.0
37.5°	142.7
40°	140.2
42.5°	139.4
45°	138.5
47.5°	137.7
50°	137.7
52.5°	138.5
55°	138.5
57.5°	139.4
60°	139.4
62.5°	140.2
65°	141.0
67.5°	141.8
70°	141.8
72.5°	142.7
75°	142.7
77.5°	141.8
80°	140.2
82.5°	140.2
85°	140.2
87.5°	141.0
90°	141.8
92.5°	143.5
95°	144.3
97.5°	145.1
100°	146.0
102.5°	146.0
105°	146.0
107.5°	145.1
110°	144.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	143.5
115°	141.8
117.5°	140.2
120°	138.5
122.5°	136.1
125°	133.6
127.5°	131.1
130°	128.6
132.5°	125.3
135°	122.0
137.5°	118.7
140°	114.6
142.5°	111.3
145°	107.2
147.5°	103.9
150°	99.8
152.5°	95.7
155°	91.5
157.5°	87.4
160°	82.5
162.5°	78.3
165°	72.6
167.5°	66.0
170°	57.7
172.5°	48.7
175°	37.9
177.5°	28.0
180°	24.7



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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	8.4	9.5	9.3	10.4	11.5	8.4	9.5	9.3	10.4	11.5
	3H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	4H	12.7	13.5	13.6	14.5	15.7	12.7	13.5	13.6	14.5	15.7
	6H	14.0	14.8	14.9	15.8	17.0	14.0	14.8	14.9	15.8	17.0
	8H	14.6	15.4	15.6	16.4	17.6	14.6	15.4	15.6	16.4	17.6
	12H	15.3	16.0	16.2	17.0	18.2	15.3	16.0	16.2	17.0	18.2
4H	2H	9.2	10.1	10.1	11.0	12.2	9.2	10.1	10.1	11.0	12.2
	3H	12.2	13.0	13.1	13.9	15.1	12.2	13.0	13.1	13.9	15.1
	4H	13.7	14.4	14.7	15.4	16.6	13.7	14.4	14.7	15.4	16.6
	6H	15.2	15.9	16.2	16.9	18.1	15.2	15.9	16.2	16.9	18.1
	8H	16.0	16.6	16.9	17.5	18.8	16.0	16.6	16.9	17.5	18.8
	12H	16.7	17.3	17.7	18.2	19.5	16.7	17.3	17.7	18.2	19.5
8H	4H	14.2	14.8	15.2	15.8	17.0	14.2	14.8	15.2	15.8	17.0
	6H	15.9	16.4	16.9	17.5	18.7	15.9	16.4	16.9	17.5	18.7
	8H	16.8	17.3	17.8	18.3	19.5	16.8	17.3	17.8	18.3	19.5
	12H	17.7	18.1	18.7	19.1	20.4	17.7	18.1	18.7	19.1	20.4
12H	4H	14.3	14.9	15.3	15.9	17.1	14.3	14.9	15.3	15.9	17.1
	6H	16.1	16.6	17.1	17.6	18.8	16.1	16.6	17.1	17.6	18.8
	8H	17.1	17.5	18.0	18.5	19.8	17.1	17.5	18.0	18.5	19.8

(END OF REPORT)