

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: P1245329

Luminaire Tested: PRLX-UNA-L-930-23L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245329  
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-930-23L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 7  
Light Source: -  
Ballast/Driver: -

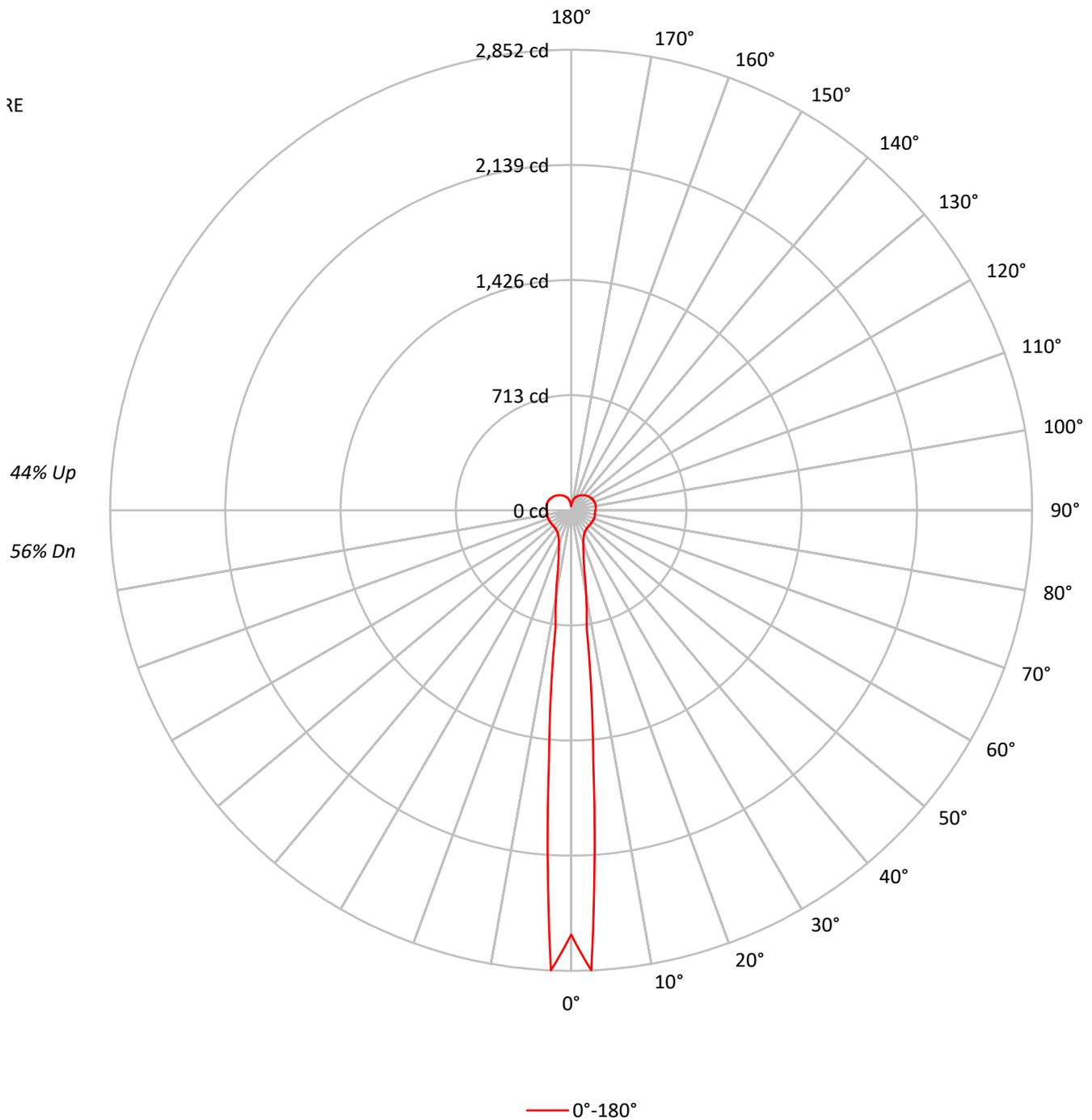
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1953.9 lumens  
Efficiency: N/A  
Efficacy: 33.6 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): 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	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°	83140
5°	38967
10°	10953
15°	5147
20°	3391
25°	2518
30°	2073
35°	1810
40°	1633
45°	1533
50°	1462
55°	1423
60°	1397
65°	1391
70°	1387
75°	1393
80°	1379
85°	1399

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1533 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.1	6.0
10°-20°	87.8	4.5
20°-30°	85.6	4.4
30°-40°	97.4	5.0
40°-50°	113.8	5.8
50°-60°	132.0	6.8
60°-70°	148.3	7.6
70°-80°	159.3	8.2
80°-90°	162.6	8.3
90°-100°	166.8	8.5
100°-110°	163.2	8.4
110°-120°	149.2	7.6
120°-130°	127.2	6.5
130°-140°	100.3	5.1
140°-150°	71.7	3.7
150°-160°	45.1	2.3
160°-170°	21.9	1.1
170°-180°	4.5	0.2
0°-30°	290.6	14.9
0°-40°	388.0	19.9
0°-60°	633.8	32.4
0°-90°	1104.0	56.5
90°-120°	479.2	24.5
90°-150°	778.4	39.8
90°-180°	850.0	43.5
0°-180°	1953.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2628	
5°	1580	117
15°	296	88
25°	183	86
35°	155	97
45°	147	114
55°	147	132
65°	150	148
75°	151	159
85°	149	122
90°	150	83
95°	153	125
105°	155	163
115°	150	149
125°	142	127
135°	129	100
145°	114	72
155°	97	45
165°	77	22
175°	40	5
180°	26	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2628.0
2.5°	2851.8
5°	1579.8
7.5°	732.6
10°	538.5
12.5°	370.7
15°	295.5
17.5°	251.8
20°	221.2
22.5°	198.5
25°	182.7
27.5°	172.2
30°	164.4
32.5°	159.1
35°	154.7
37.5°	151.2
40°	148.6
42.5°	147.7
45°	146.9
47.5°	146.0
50°	146.0
52.5°	146.9
55°	146.9
57.5°	147.7
60°	147.7
62.5°	148.6
65°	149.5
67.5°	150.4
70°	150.4
72.5°	151.2
75°	151.2
77.5°	150.4
80°	148.6
82.5°	148.6
85°	148.6
87.5°	149.5
90°	150.4
92.5°	152.1
95°	153.0
97.5°	153.9
100°	154.7
102.5°	154.7
105°	154.7
107.5°	153.9
110°	153.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	152.1
115°	150.4
117.5°	148.6
120°	146.9
122.5°	144.3
125°	141.6
127.5°	139.0
130°	136.4
132.5°	132.9
135°	129.4
137.5°	125.9
140°	121.5
142.5°	118.0
145°	113.7
147.5°	110.2
150°	105.8
152.5°	101.4
155°	97.0
157.5°	92.7
160°	87.4
162.5°	83.1
165°	76.9
167.5°	69.9
170°	61.2
172.5°	51.6
175°	40.2
177.5°	29.7
180°	26.2



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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	8.6	9.7	9.5	10.6	11.7	8.6	9.7	9.5	10.6	11.7
	3H	11.5	12.4	12.4	13.3	14.5	11.5	12.4	12.4	13.3	14.5
	4H	12.9	13.8	13.8	14.7	15.9	12.9	13.8	13.8	14.7	15.9
	6H	14.2	15.0	15.1	16.0	17.2	14.2	15.0	15.1	16.0	17.2
	8H	14.8	15.6	15.8	16.6	17.8	14.8	15.6	15.8	16.6	17.8
	12H	15.5	16.2	16.4	17.2	18.4	15.5	16.2	16.4	17.2	18.4
4H	2H	9.4	10.3	10.3	11.2	12.4	9.4	10.3	10.3	11.2	12.4
	3H	12.4	13.2	13.3	14.1	15.3	12.4	13.2	13.3	14.1	15.3
	4H	13.9	14.6	14.9	15.6	16.8	13.9	14.6	14.9	15.6	16.8
	6H	15.4	16.1	16.4	17.1	18.3	15.4	16.1	16.4	17.1	18.3
	8H	16.2	16.8	17.1	17.7	19.0	16.2	16.8	17.1	17.7	19.0
	12H	16.9	17.5	17.9	18.4	19.7	16.9	17.5	17.9	18.4	19.7
8H	4H	14.4	15.0	15.4	16.0	17.2	14.4	15.0	15.4	16.0	17.2
	6H	16.1	16.6	17.1	17.7	18.9	16.1	16.6	17.1	17.7	18.9
	8H	17.0	17.5	18.0	18.5	19.7	17.0	17.5	18.0	18.5	19.7
	12H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6
12H	4H	14.5	15.1	15.5	16.1	17.3	14.5	15.1	15.5	16.1	17.3
	6H	16.3	16.8	17.3	17.8	19.1	16.3	16.8	17.3	17.8	19.1
	8H	17.3	17.7	18.2	18.7	20.0	17.3	17.7	18.2	18.7	20.0

(END OF REPORT)