

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: P1245326

Luminaire Tested: PRLX-UNA-L-930-20L-U-NL

Issue Date: 1/30/2026

**Test Information**

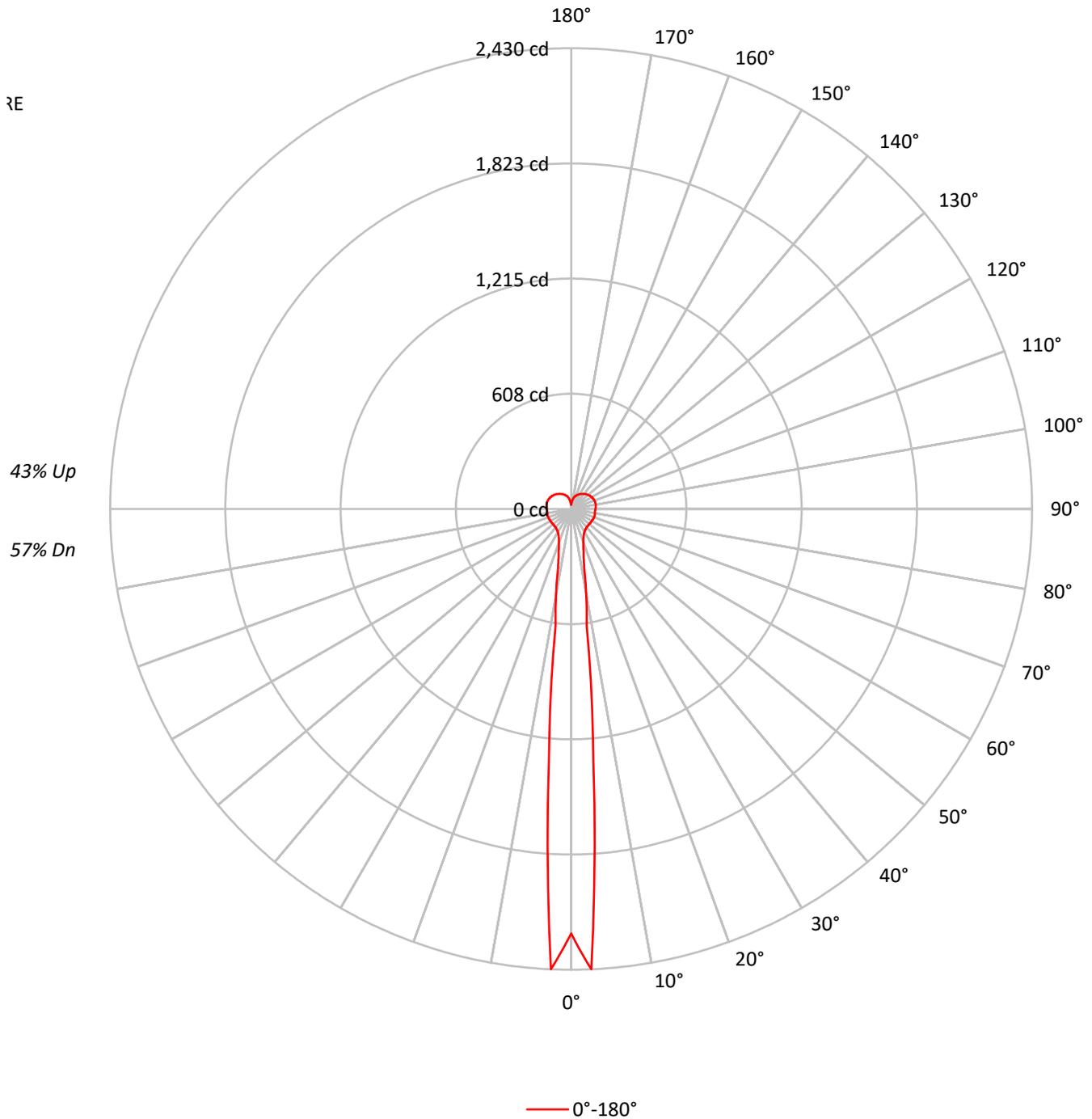
Test Method: LM-79-2019  
Report Number: P1245326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-930-20L-U-NL  
Description: 3D PRINTED 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: 1665.0 lumens  
Efficiency: N/A  
Efficacy: 34.3 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°	70843
5°	33203
10°	9334
15°	4386
20°	2890
25°	2146
30°	1767
35°	1543
40°	1392
45°	1307
50°	1245
55°	1213
60°	1190
65°	1185
70°	1182
75°	1188
80°	1175
85°	1192

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1307 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	6.0
10°-20°	74.9	4.5
20°-30°	72.9	4.4
30°-40°	83.0	5.0
40°-50°	97.0	5.8
50°-60°	112.5	6.8
60°-70°	126.4	7.6
70°-80°	135.7	8.2
80°-90°	138.6	8.3
90°-100°	142.1	8.5
100°-110°	139.1	8.4
110°-120°	127.1	7.6
120°-130°	108.3	6.5
130°-140°	85.4	5.1
140°-150°	61.1	3.7
150°-160°	38.4	2.3
160°-170°	18.7	1.1
170°-180°	3.8	0.2
0°-30°	247.6	14.9
0°-40°	330.6	19.9
0°-60°	540.1	32.4
0°-90°	940.7	56.5
90°-120°	408.4	24.5
90°-150°	663.3	39.8
90°-180°	724.0	43.5
0°-180°	1665.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2239	
5°	1346	100
15°	252	75
25°	156	73
35°	132	83
45°	125	97
55°	125	112
65°	127	126
75°	129	136
85°	127	104
90°	128	70
95°	130	107
105°	132	139
115°	128	127
125°	121	108
135°	110	85
145°	97	61
155°	83	38
165°	66	19
175°	34	4
180°	22	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2239.3
2.5°	2430.0
5°	1346.1
7.5°	624.3
10°	458.9
12.5°	315.9
15°	251.8
17.5°	214.5
20°	188.5
22.5°	169.1
25°	155.7
27.5°	146.8
30°	140.1
32.5°	135.6
35°	131.9
37.5°	128.9
40°	126.6
42.5°	125.9
45°	125.2
47.5°	124.4
50°	124.4
52.5°	125.2
55°	125.2
57.5°	125.9
60°	125.9
62.5°	126.6
65°	127.4
67.5°	128.1
70°	128.1
72.5°	128.9
75°	128.9
77.5°	128.1
80°	126.6
82.5°	126.6
85°	126.6
87.5°	127.4
90°	128.1
92.5°	129.6
95°	130.4
97.5°	131.1
100°	131.9
102.5°	131.9
105°	131.9
107.5°	131.1
110°	130.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	129.6
115°	128.1
117.5°	126.6
120°	125.2
122.5°	122.9
125°	120.7
127.5°	118.4
130°	116.2
132.5°	113.2
135°	110.3
137.5°	107.3
140°	103.5
142.5°	100.6
145°	96.8
147.5°	93.9
150°	90.1
152.5°	86.4
155°	82.7
157.5°	79.0
160°	74.5
162.5°	70.8
165°	65.6
167.5°	59.6
170°	52.1
172.5°	44.0
175°	34.3
177.5°	25.3
180°	22.3



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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	8.1	9.1	9.0	10.0	11.2	8.1	9.1	9.0	10.0	11.2
	3H	10.9	11.9	11.8	12.8	14.0	10.9	11.9	11.8	12.8	14.0
	4H	12.3	13.2	13.2	14.1	15.3	12.3	13.2	13.2	14.1	15.3
	6H	13.7	14.5	14.6	15.4	16.6	13.7	14.5	14.6	15.4	16.6
	8H	14.3	15.1	15.2	16.0	17.2	14.3	15.1	15.2	16.0	17.2
	12H	14.9	15.7	15.8	16.6	17.9	14.9	15.7	15.8	16.6	17.9
4H	2H	8.8	9.7	9.7	10.6	11.8	8.8	9.7	9.7	10.6	11.8
	3H	11.8	12.6	12.8	13.6	14.8	11.8	12.6	12.8	13.6	14.8
	4H	13.4	14.1	14.3	15.0	16.3	13.4	14.1	14.3	15.0	16.3
	6H	14.9	15.5	15.8	16.5	17.7	14.9	15.5	15.8	16.5	17.7
	8H	15.6	16.2	16.6	17.2	18.4	15.6	16.2	16.6	17.2	18.4
	12H	16.3	16.9	17.3	17.9	19.1	16.3	16.9	17.3	17.9	19.1
8H	4H	13.9	14.5	14.8	15.4	16.7	13.9	14.5	14.8	15.4	16.7
	6H	15.6	16.1	16.5	17.1	18.3	15.6	16.1	16.5	17.1	18.3
	8H	16.5	16.9	17.4	17.9	19.2	16.5	16.9	17.4	17.9	19.2
	12H	17.4	17.8	18.3	18.8	20.1	17.4	17.8	18.3	18.8	20.1
12H	4H	14.0	14.5	14.9	15.5	16.8	14.0	14.5	14.9	15.5	16.8
	6H	15.7	16.2	16.7	17.2	18.5	15.7	16.2	16.7	17.2	18.5
	8H	16.7	17.1	17.7	18.1	19.4	16.7	17.1	17.7	18.1	19.4

(END OF REPORT)