

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: P1245045

Luminaire Tested: PRLX-NIM-L-930-12L-U-NR

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245045  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-930-12L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

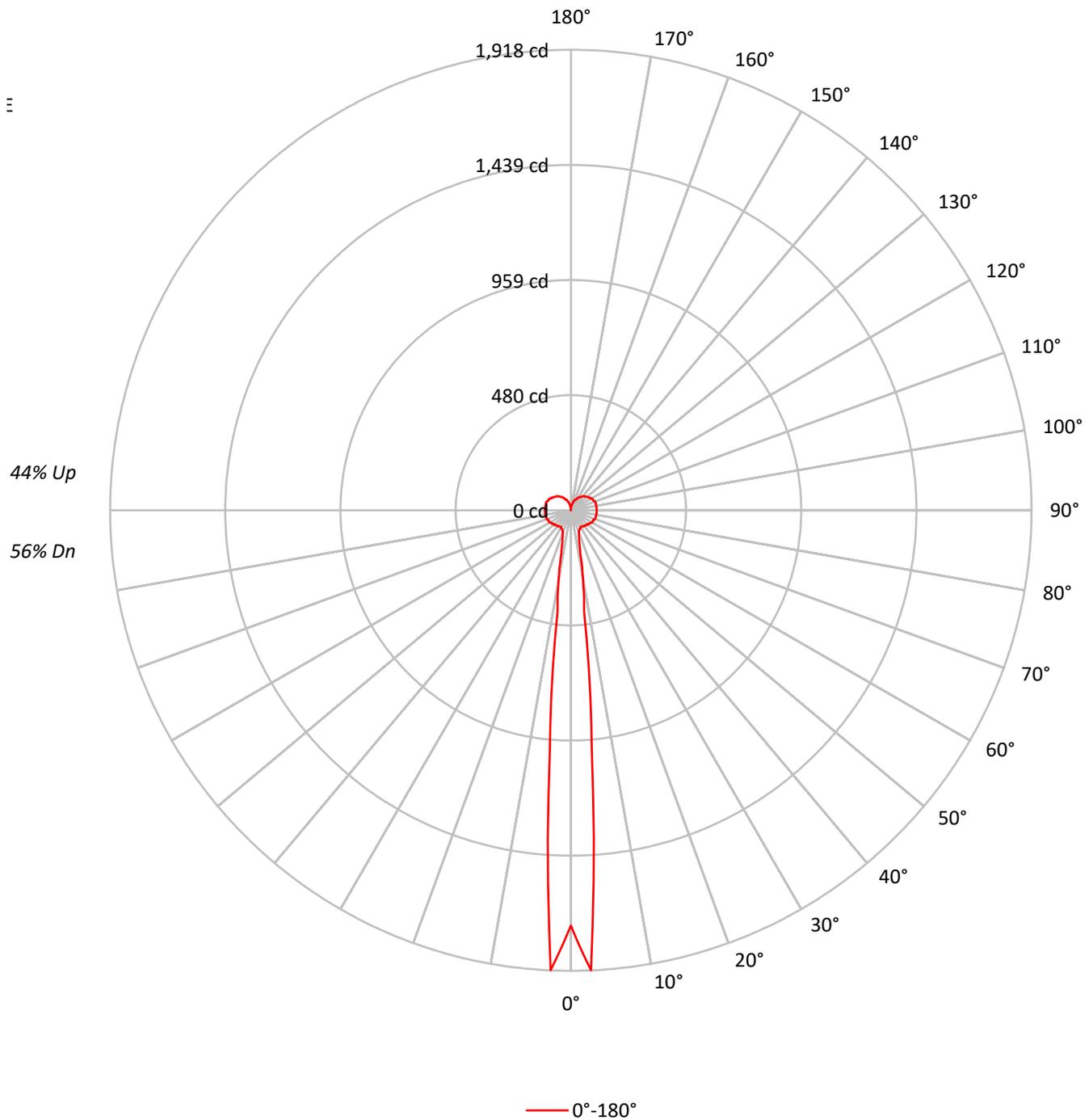
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1249.9 lumens  
Efficiency: N/A  
Efficacy: 41.0 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 30.5  
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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62		58	55	53		48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49		49	45	42		40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40		43	38	34		35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34		38	33	29		31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30		34	29	25		28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26		31	26	22		26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23		29	24	20		24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21		27	22	18		23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19		25	20	17		21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18		24	19	16		20	16	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	54718
5°	24777
10°	5901
15°	2339
20°	1483
25°	1184
30°	1016
35°	943
40°	944
45°	897
50°	914
55°	937
60°	965
65°	950
70°	991
75°	990
80°	996
85°	1011

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1034 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.3	5.9
10°-20°	41.7	3.3
20°-30°	40.5	3.2
30°-40°	52.0	4.2
40°-50°	68.2	5.5
50°-60°	85.6	6.9
60°-70°	102.0	8.2
70°-80°	113.6	9.1
80°-90°	117.2	9.4
90°-100°	117.2	9.4
100°-110°	113.6	9.1
110°-120°	101.4	8.1
120°-130°	83.2	6.7
130°-140°	63.5	5.1
140°-150°	42.8	3.4
150°-160°	23.5	1.9
160°-170°	9.4	0.8
170°-180°	1.2	0.1
0°-30°	155.5	12.4
0°-40°	207.5	16.6
0°-60°	361.3	28.9
0°-90°	694.1	55.5
90°-120°	332.2	26.6
90°-150°	521.7	41.7
90°-180°	556.0	44.5
0°-180°	1249.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1730	
5°	1004	73
15°	134	42
25°	86	41
35°	81	52
45°	86	68
55°	97	86
65°	102	102
75°	107	114
85°	107	88
90°	107	59
95°	107	88
105°	107	114
115°	102	101
125°	91	83
135°	81	64
145°	70	43
155°	48	23
165°	32	9
175°	5	1
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1729.6
2.5°	1917.6
5°	1004.5
7.5°	424.3
10°	290.1
12.5°	182.6
15°	134.3
17.5°	112.8
20°	96.7
22.5°	91.3
25°	85.9
27.5°	85.9
30°	80.6
32.5°	80.6
35°	80.6
37.5°	85.9
40°	85.9
42.5°	85.9
45°	85.9
47.5°	91.3
50°	91.3
52.5°	91.3
55°	96.7
57.5°	96.7
60°	102.1
62.5°	102.1
65°	102.1
67.5°	102.1
70°	107.4
72.5°	107.4
75°	107.4
77.5°	107.4
80°	107.4
82.5°	107.4
85°	107.4
87.5°	107.4
90°	107.4
92.5°	107.4
95°	107.4
97.5°	107.4
100°	107.4
102.5°	107.4
105°	107.4
107.5°	107.4
110°	107.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	102.1
115°	102.1
117.5°	102.1
120°	96.7
122.5°	96.7
125°	91.3
127.5°	91.3
130°	85.9
132.5°	85.9
135°	80.6
137.5°	80.6
140°	75.2
142.5°	69.8
145°	69.8
147.5°	64.5
150°	59.1
152.5°	53.7
155°	48.3
157.5°	48.3
160°	43.0
162.5°	37.6
165°	32.2
167.5°	26.9
170°	21.5
172.5°	16.1
175°	5.4
177.5°	0.0
180°	0.0



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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	7.2	8.3	8.1	9.2	10.4	7.2	8.3	8.1	9.2	10.4
	3H	10.3	11.2	11.2	12.2	13.4	10.3	11.2	11.2	12.2	13.4
	4H	11.8	12.7	12.7	13.6	14.8	11.8	12.7	12.7	13.6	14.8
	6H	13.2	14.1	14.1	15.0	16.2	13.2	14.1	14.1	15.0	16.2
	8H	13.9	14.7	14.8	15.7	16.9	13.9	14.7	14.8	15.7	16.9
	12H	14.6	15.3	15.5	16.3	17.5	14.6	15.3	15.5	16.3	17.5
4H	2H	8.0	8.9	8.9	9.9	11.1	8.0	8.9	8.9	9.9	11.1
	3H	11.3	12.1	12.2	13.0	14.3	11.3	12.1	12.2	13.0	14.3
	4H	12.9	13.6	13.8	14.6	15.8	12.9	13.6	13.8	14.6	15.8
	6H	14.5	15.2	15.4	16.1	17.4	14.5	15.2	15.4	16.1	17.4
	8H	15.3	15.9	16.2	16.9	18.1	15.3	15.9	16.2	16.9	18.1
	12H	16.0	16.6	17.0	17.6	18.9	16.0	16.6	17.0	17.6	18.9
8H	4H	13.4	14.0	14.4	15.0	16.3	13.4	14.0	14.4	15.0	16.3
	6H	15.2	15.8	16.2	16.8	18.0	15.2	15.8	16.2	16.8	18.0
	8H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	12H	17.1	17.5	18.1	18.5	19.8	17.1	17.5	18.1	18.5	19.8
12H	4H	13.5	14.1	14.5	15.1	16.4	13.5	14.1	14.5	15.1	16.4
	6H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2
	8H	16.4	16.8	17.4	17.8	19.1	16.4	16.8	17.4	17.8	19.1

(END OF REPORT)