

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: P1245054

Luminaire Tested: PRLX-NIM-L-930-20L-U-WO

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245054  
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-930-20L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

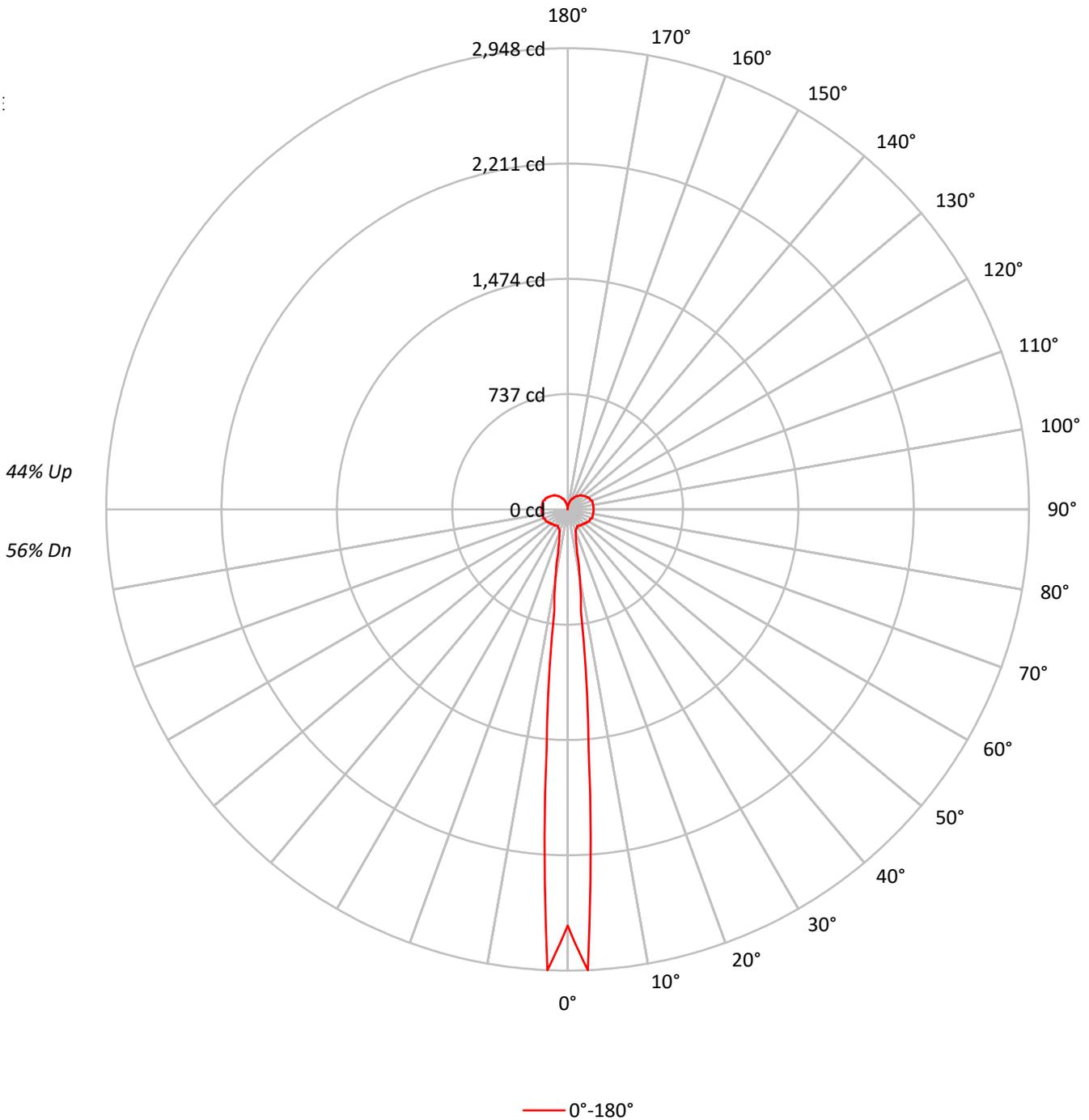
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1922.0 lumens  
Efficiency: N/A  
Efficacy: 39.5 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): 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		
RC	80					70						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°	84134
5°	38094
10°	9071
15°	3597
20°	2280
25°	1821
30°	1562
35°	1450
40°	1452
45°	1379
50°	1406
55°	1441
60°	1484
65°	1460
70°	1524
75°	1522
80°	1533
85°	1555

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1591 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.7	5.9
10°-20°	64.1	3.3
20°-30°	62.3	3.2
30°-40°	79.9	4.2
40°-50°	104.8	5.5
50°-60°	131.7	6.9
60°-70°	156.8	8.2
70°-80°	174.8	9.1
80°-90°	180.2	9.4
90°-100°	180.2	9.4
100°-110°	174.8	9.1
110°-120°	155.8	8.1
120°-130°	128.0	6.7
130°-140°	97.7	5.1
140°-150°	65.8	3.4
150°-160°	36.1	1.9
160°-170°	14.5	0.8
170°-180°	1.8	0.1
0°-30°	239.1	12.4
0°-40°	319.0	16.6
0°-60°	555.5	28.9
0°-90°	1067.3	55.5
90°-120°	510.8	26.6
90°-150°	802.3	41.7
90°-180°	855.0	44.5
0°-180°	1922.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2659	
5°	1544	113
15°	206	64
25°	132	62
35°	124	80
45°	132	105
55°	149	132
65°	157	157
75°	165	175
85°	165	135
90°	165	91
95°	165	135
105°	165	175
115°	157	156
125°	140	128
135°	124	98
145°	107	66
155°	74	36
165°	50	15
175°	8	2
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2659.4
2.5°	2948.5
5°	1544.4
7.5°	652.5
10°	446.0
12.5°	280.8
15°	206.5
17.5°	173.4
20°	148.7
22.5°	140.4
25°	132.1
27.5°	132.1
30°	123.9
32.5°	123.9
35°	123.9
37.5°	132.1
40°	132.1
42.5°	132.1
45°	132.1
47.5°	140.4
50°	140.4
52.5°	140.4
55°	148.7
57.5°	148.7
60°	156.9
62.5°	156.9
65°	156.9
67.5°	156.9
70°	165.2
72.5°	165.2
75°	165.2
77.5°	165.2
80°	165.2
82.5°	165.2
85°	165.2
87.5°	165.2
90°	165.2
92.5°	165.2
95°	165.2
97.5°	165.2
100°	165.2
102.5°	165.2
105°	165.2
107.5°	165.2
110°	165.2

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	156.9
115°	156.9
117.5°	156.9
120°	148.7
122.5°	148.7
125°	140.4
127.5°	140.4
130°	132.1
132.5°	132.1
135°	123.9
137.5°	123.9
140°	115.6
142.5°	107.4
145°	107.4
147.5°	99.1
150°	90.8
152.5°	82.6
155°	74.3
157.5°	74.3
160°	66.1
162.5°	57.8
165°	49.6
167.5°	41.3
170°	33.0
172.5°	24.8
175°	8.3
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	8.7	9.7	9.6	10.7	11.9	8.7	9.7	9.6	10.7	11.9
	3H	11.8	12.7	12.7	13.7	14.9	11.8	12.7	12.7	13.7	14.9
	4H	13.3	14.2	14.2	15.1	16.3	13.3	14.2	14.2	15.1	16.3
	6H	14.7	15.6	15.6	16.5	17.7	14.7	15.6	15.6	16.5	17.7
	8H	15.4	16.2	16.3	17.2	18.4	15.4	16.2	16.3	17.2	18.4
	12H	16.1	16.8	17.0	17.8	19.0	16.1	16.8	17.0	17.8	19.0
4H	2H	9.5	10.4	10.4	11.4	12.6	9.5	10.4	10.4	11.4	12.6
	3H	12.8	13.6	13.7	14.5	15.8	12.8	13.6	13.7	14.5	15.8
	4H	14.4	15.1	15.3	16.1	17.3	14.4	15.1	15.3	16.1	17.3
	6H	16.0	16.6	16.9	17.6	18.9	16.0	16.6	16.9	17.6	18.9
	8H	16.8	17.4	17.7	18.4	19.6	16.8	17.4	17.7	18.4	19.6
	12H	17.5	18.1	18.5	19.1	20.4	17.5	18.1	18.5	19.1	20.4
8H	4H	14.9	15.5	15.9	16.5	17.8	14.9	15.5	15.9	16.5	17.8
	6H	16.7	17.2	17.7	18.3	19.5	16.7	17.2	17.7	18.3	19.5
	8H	17.6	18.1	18.6	19.1	20.4	17.6	18.1	18.6	19.1	20.4
	12H	18.6	19.0	19.6	20.0	21.3	18.6	19.0	19.6	20.0	21.3
12H	4H	15.0	15.6	16.0	16.6	17.9	15.0	15.6	16.0	16.6	17.9
	6H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
	8H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6

(END OF REPORT)