

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: P1245014

Luminaire Tested: PRLX-NIM-L-927-12L-U-WO

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245014  
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-927-12L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

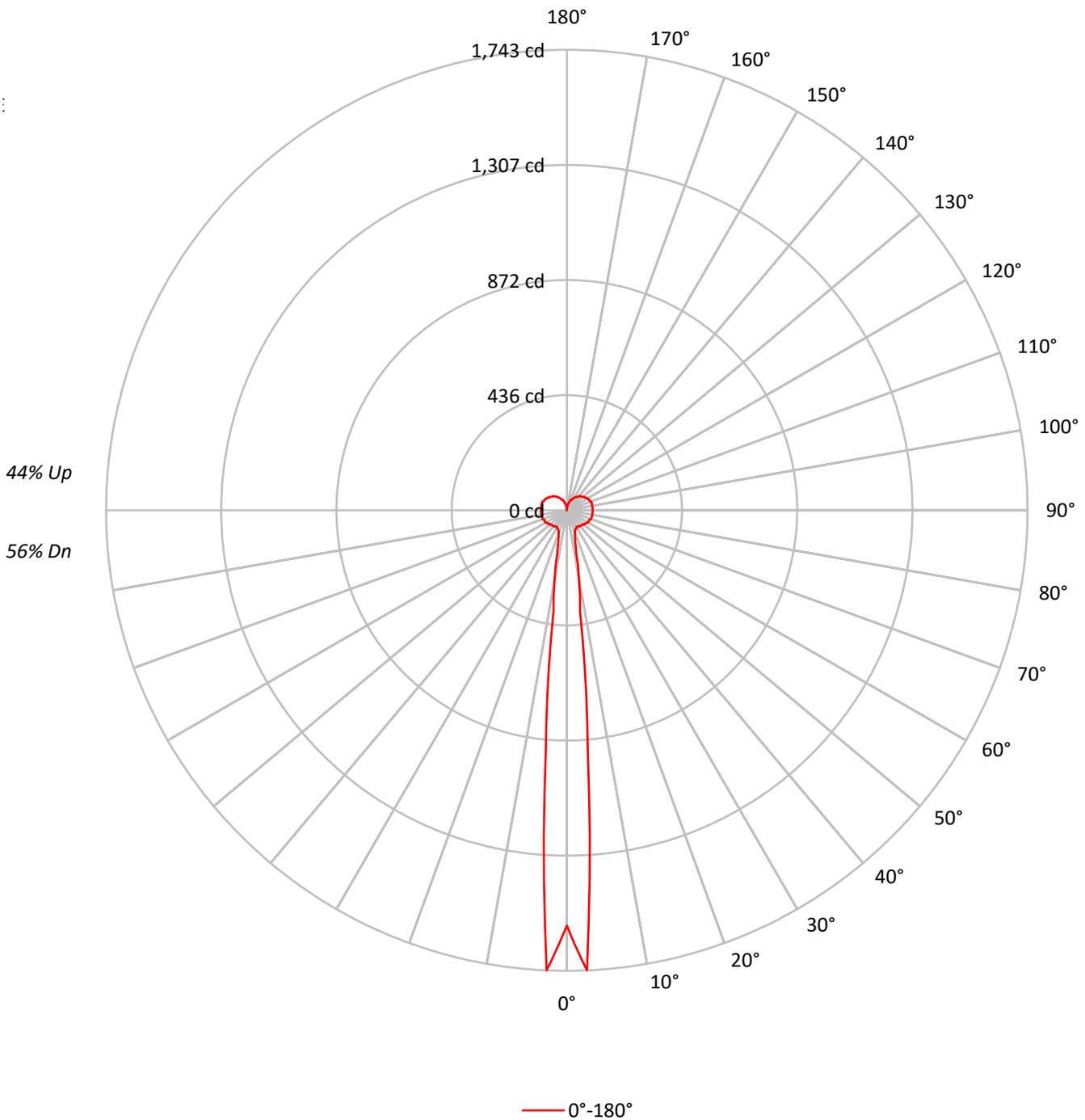
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1135.8 lumens  
Efficiency: N/A  
Efficacy: 37.2 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°	49729
5°	22515
10°	5362
15°	2125
20°	1348
25°	1077
30°	923
35°	856
40°	858
45°	815
50°	831
55°	852
60°	877
65°	862
70°	900
75°	899
80°	906
85°	919

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 940 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.6	5.9
10°-20°	37.9	3.3
20°-30°	36.8	3.2
30°-40°	47.2	4.2
40°-50°	62.0	5.5
50°-60°	77.8	6.9
60°-70°	92.6	8.2
70°-80°	103.3	9.1
80°-90°	106.5	9.4
90°-100°	106.5	9.4
100°-110°	103.3	9.1
110°-120°	92.1	8.1
120°-130°	75.6	6.7
130°-140°	57.7	5.1
140°-150°	38.9	3.4
150°-160°	21.3	1.9
160°-170°	8.6	0.8
170°-180°	1.0	0.1
0°-30°	141.3	12.4
0°-40°	188.5	16.6
0°-60°	328.4	28.9
0°-90°	630.7	55.5
90°-120°	301.8	26.6
90°-150°	474.1	41.7
90°-180°	505.0	44.5
0°-180°	1135.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1572	
5°	913	67
15°	122	38
25°	78	37
35°	73	47
45°	78	62
55°	88	78
65°	93	93
75°	98	103
85°	98	80
90°	98	53
95°	98	80
105°	98	103
115°	93	92
125°	83	76
135°	73	58
145°	64	39
155°	44	21
165°	29	9
175°	5	1
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1571.9
2.5°	1742.7
5°	912.8
7.5°	385.6
10°	263.6
12.5°	166.0
15°	122.0
17.5°	102.5
20°	87.9
22.5°	83.0
25°	78.1
27.5°	78.1
30°	73.2
32.5°	73.2
35°	73.2
37.5°	78.1
40°	78.1
42.5°	78.1
45°	78.1
47.5°	83.0
50°	83.0
52.5°	83.0
55°	87.9
57.5°	87.9
60°	92.7
62.5°	92.7
65°	92.7
67.5°	92.7
70°	97.6
72.5°	97.6
75°	97.6
77.5°	97.6
80°	97.6
82.5°	97.6
85°	97.6
87.5°	97.6
90°	97.6
92.5°	97.6
95°	97.6
97.5°	97.6
100°	97.6
102.5°	97.6
105°	97.6
107.5°	97.6
110°	97.6



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	92.7
115°	92.7
117.5°	92.7
120°	87.9
122.5°	87.9
125°	83.0
127.5°	83.0
130°	78.1
132.5°	78.1
135°	73.2
137.5°	73.2
140°	68.3
142.5°	63.5
145°	63.5
147.5°	58.6
150°	53.7
152.5°	48.8
155°	43.9
157.5°	43.9
160°	39.1
162.5°	34.2
165°	29.3
167.5°	24.4
170°	19.5
172.5°	14.6
175°	4.9
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	6.9	7.9	7.8	8.8	10.0	6.9	7.9	7.8	8.8	10.0
	3H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	4H	11.4	12.4	12.4	13.3	14.5	11.4	12.4	12.4	13.3	14.5
	6H	12.9	13.7	13.8	14.7	15.9	12.9	13.7	13.8	14.7	15.9
	8H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
	12H	14.2	15.0	15.2	16.0	17.2	14.2	15.0	15.2	16.0	17.2
4H	2H	7.7	8.6	8.6	9.5	10.7	7.7	8.6	8.6	9.5	10.7
	3H	10.9	11.7	11.9	12.7	13.9	10.9	11.7	11.9	12.7	13.9
	4H	12.6	13.3	13.5	14.3	15.5	12.6	13.3	13.5	14.3	15.5
	6H	14.2	14.8	15.1	15.8	17.0	14.2	14.8	15.1	15.8	17.0
	8H	14.9	15.6	15.9	16.5	17.8	14.9	15.6	15.9	16.5	17.8
	12H	15.7	16.3	16.7	17.3	18.5	15.7	16.3	16.7	17.3	18.5
8H	4H	13.1	13.7	14.0	14.7	16.0	13.1	13.7	14.0	14.7	16.0
	6H	14.9	15.4	15.9	16.4	17.7	14.9	15.4	15.9	16.4	17.7
	8H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	12H	16.7	17.2	17.7	18.2	19.5	16.7	17.2	17.7	18.2	19.5
12H	4H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
	6H	15.1	15.6	16.1	16.6	17.9	15.1	15.6	16.1	16.6	17.9
	8H	16.1	16.5	17.0	17.5	18.8	16.1	16.5	17.0	17.5	18.8

(END OF REPORT)