

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: P1245013

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245013  
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-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

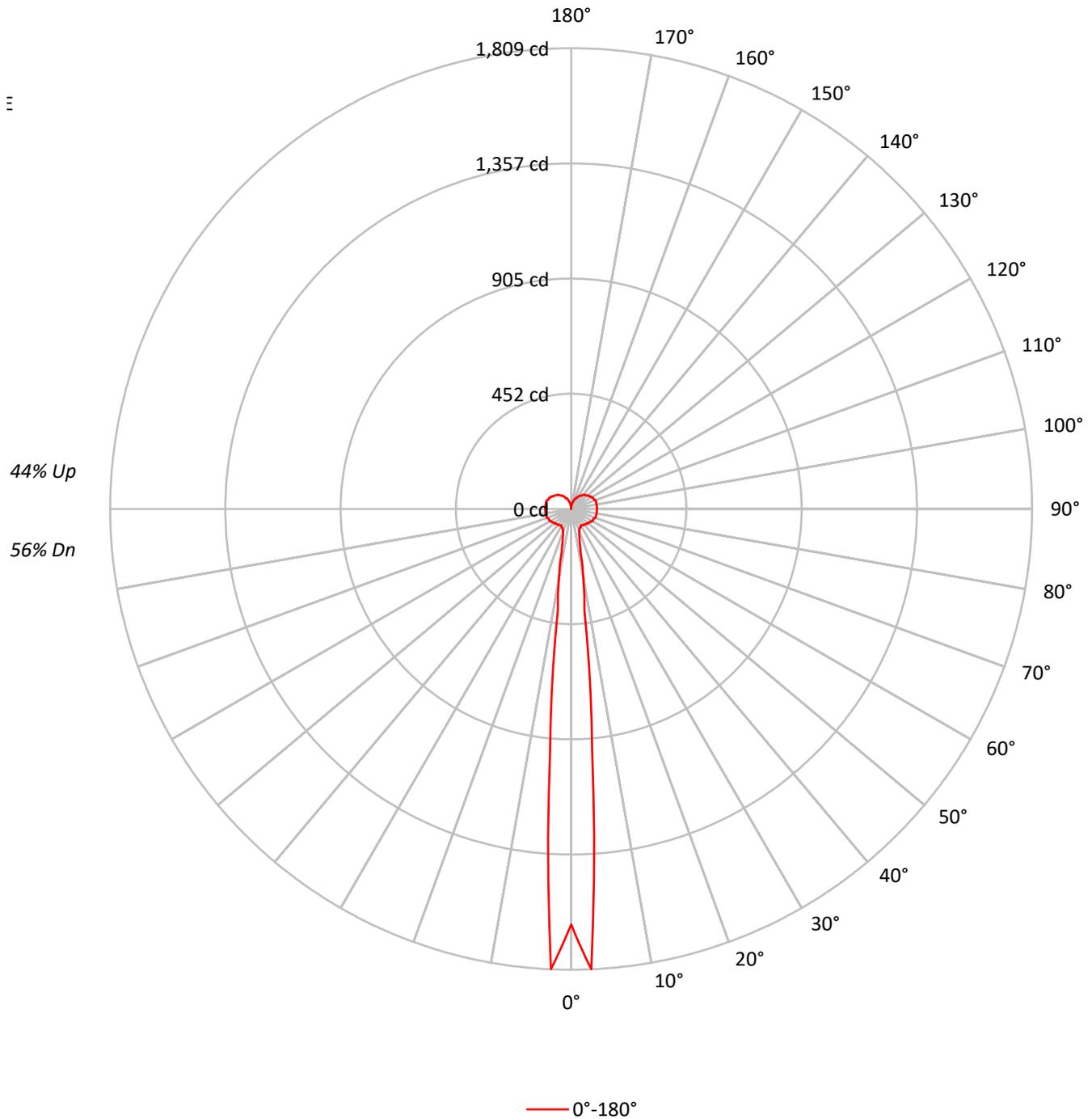
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1179.0 lumens  
Efficiency: N/A  
Efficacy: 38.7 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		
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°	51608
5°	23369
10°	5565
15°	2207
20°	1398
25°	1118
30°	958
35°	889
40°	891
45°	847
50°	862
55°	884
60°	911
65°	896
70°	934
75°	934
80°	940
85°	954

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 975 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	5.9
10°-20°	39.3	3.3
20°-30°	38.2	3.2
30°-40°	49.0	4.2
40°-50°	64.3	5.5
50°-60°	80.8	6.9
60°-70°	96.2	8.2
70°-80°	107.2	9.1
80°-90°	110.5	9.4
90°-100°	110.5	9.4
100°-110°	107.2	9.1
110°-120°	95.6	8.1
120°-130°	78.5	6.7
130°-140°	60.0	5.1
140°-150°	40.4	3.4
150°-160°	22.2	1.9
160°-170°	8.9	0.8
170°-180°	1.1	0.1
0°-30°	146.7	12.4
0°-40°	195.7	16.6
0°-60°	340.8	28.9
0°-90°	654.7	55.5
90°-120°	313.3	26.6
90°-150°	492.1	41.7
90°-180°	524.0	44.4
0°-180°	1179.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1631	
5°	947	69
15°	127	39
25°	81	38
35°	76	49
45°	81	64
55°	91	81
65°	96	96
75°	101	107
85°	101	83
90°	101	56
95°	101	83
105°	101	107
115°	96	96
125°	86	78
135°	76	60
145°	66	40
155°	46	22
165°	30	9
175°	5	1
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1631.3
2.5°	1808.7
5°	947.4
7.5°	400.2
10°	273.6
12.5°	172.3
15°	126.7
17.5°	106.4
20°	91.2
22.5°	86.1
25°	81.1
27.5°	81.1
30°	76.0
32.5°	76.0
35°	76.0
37.5°	81.1
40°	81.1
42.5°	81.1
45°	81.1
47.5°	86.1
50°	86.1
52.5°	86.1
55°	91.2
57.5°	91.2
60°	96.3
62.5°	96.3
65°	96.3
67.5°	96.3
70°	101.3
72.5°	101.3
75°	101.3
77.5°	101.3
80°	101.3
82.5°	101.3
85°	101.3
87.5°	101.3
90°	101.3
92.5°	101.3
95°	101.3
97.5°	101.3
100°	101.3
102.5°	101.3
105°	101.3
107.5°	101.3
110°	101.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	96.3
115°	96.3
117.5°	96.3
120°	91.2
122.5°	91.2
125°	86.1
127.5°	86.1
130°	81.1
132.5°	81.1
135°	76.0
137.5°	76.0
140°	70.9
142.5°	65.9
145°	65.9
147.5°	60.8
150°	55.7
152.5°	50.7
155°	45.6
157.5°	45.6
160°	40.5
162.5°	35.5
165°	30.4
167.5°	25.3
170°	20.3
172.5°	15.2
175°	5.1
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	7.0	8.1	7.9	9.0	10.2	7.0	8.1	7.9	9.0	10.2
	3H	10.1	11.0	11.0	12.0	13.2	10.1	11.0	11.0	12.0	13.2
	4H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	6H	13.0	13.9	13.9	14.8	16.0	13.0	13.9	13.9	14.8	16.0
	8H	13.7	14.5	14.6	15.5	16.7	13.7	14.5	14.6	15.5	16.7
	12H	14.4	15.1	15.3	16.1	17.3	14.4	15.1	15.3	16.1	17.3
4H	2H	7.8	8.7	8.7	9.7	10.9	7.8	8.7	8.7	9.7	10.9
	3H	11.1	11.9	12.0	12.8	14.1	11.1	11.9	12.0	12.8	14.1
	4H	12.7	13.4	13.6	14.4	15.6	12.7	13.4	13.6	14.4	15.6
	6H	14.3	14.9	15.2	15.9	17.2	14.3	14.9	15.2	15.9	17.2
	8H	15.1	15.7	16.0	16.7	17.9	15.1	15.7	16.0	16.7	17.9
	12H	15.8	16.4	16.8	17.4	18.7	15.8	16.4	16.8	17.4	18.7
8H	4H	13.2	13.8	14.2	14.8	16.1	13.2	13.8	14.2	14.8	16.1
	6H	15.0	15.5	16.0	16.6	17.8	15.0	15.5	16.0	16.6	17.8
	8H	15.9	16.4	16.9	17.4	18.7	15.9	16.4	16.9	17.4	18.7
	12H	16.9	17.3	17.9	18.3	19.6	16.9	17.3	17.9	18.3	19.6
12H	4H	13.3	13.9	14.3	14.9	16.2	13.3	13.9	14.3	14.9	16.2
	6H	15.2	15.7	16.2	16.7	18.0	15.2	15.7	16.2	16.7	18.0
	8H	16.2	16.6	17.2	17.6	18.9	16.2	16.6	17.2	17.6	18.9

(END OF REPORT)