

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: P1245009

Luminaire Tested: PRLX-NIM-L-927-09L-U-NR

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245009  
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-927-09L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

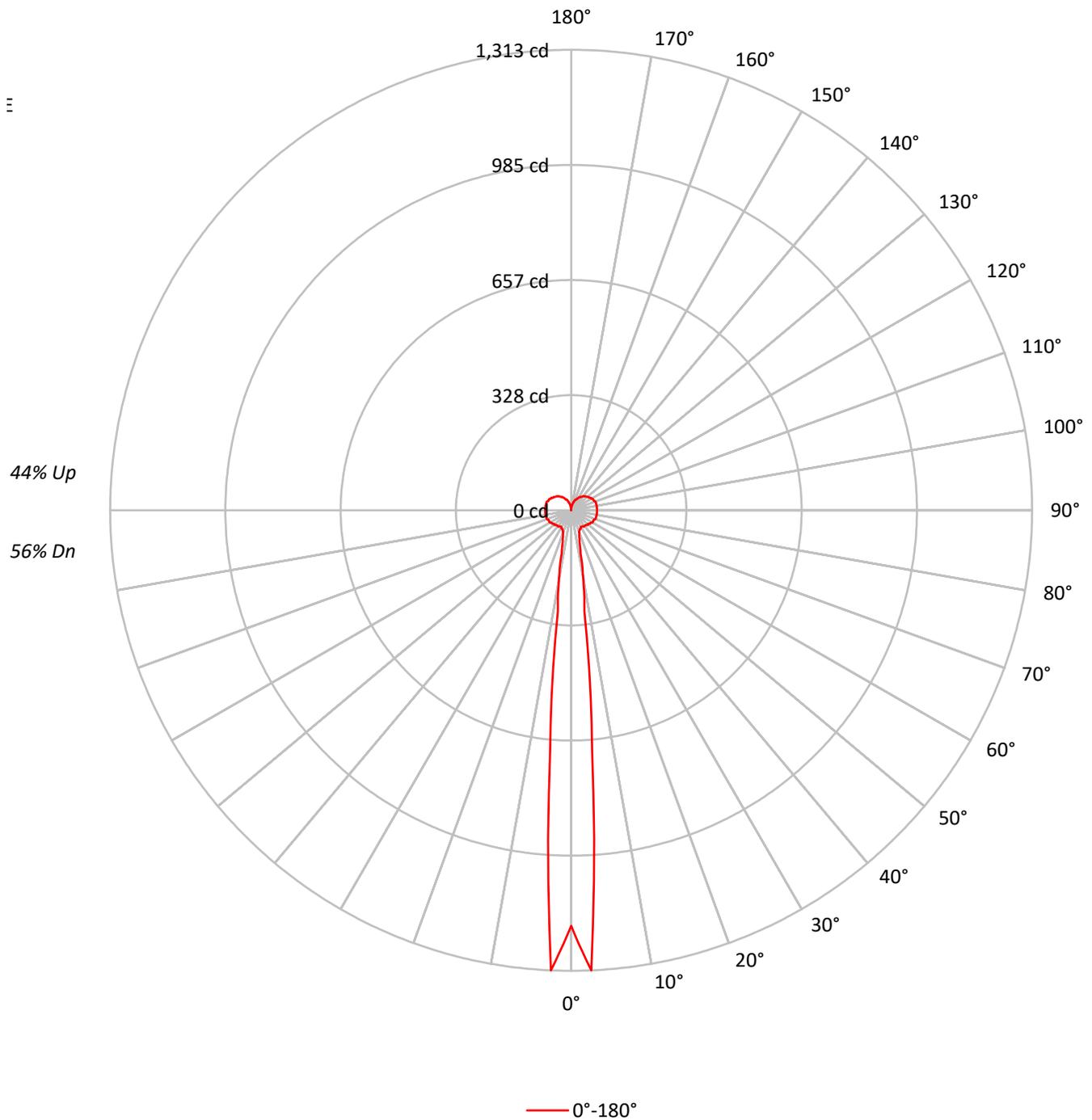
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 856.2 lumens  
Efficiency: N/A  
Efficacy: 37.9 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): 22.6  
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

TEST NUMBER: P1245009

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-NR

### Luminous Intensity Polar Plot





TEST NUMBER: P1245009

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-NR

**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°	37470
5°	16965
10°	4039
15°	1602
20°	1015
25°	812
30°	696
35°	646
40°	647
45°	615
50°	626
55°	641
60°	661
65°	650
70°	679
75°	678
80°	683
85°	693

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 709 cd/sqm



TEST NUMBER: P1245009

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-NR

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.2	5.9
10°-20°	28.5	3.3
20°-30°	27.8	3.2
30°-40°	35.6	4.2
40°-50°	46.7	5.5
50°-60°	58.6	6.8
60°-70°	69.9	8.2
70°-80°	77.9	9.1
80°-90°	80.3	9.4
90°-100°	80.3	9.4
100°-110°	77.9	9.1
110°-120°	69.4	8.1
120°-130°	57.0	6.7
130°-140°	43.5	5.1
140°-150°	29.3	3.4
150°-160°	16.1	1.9
160°-170°	6.5	0.8
170°-180°	0.8	0.1
0°-30°	106.5	12.4
0°-40°	142.1	16.6
0°-60°	247.5	28.9
0°-90°	475.5	55.5
90°-120°	227.6	26.6
90°-150°	357.4	41.7
90°-180°	381.0	44.5
0°-180°	856.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1184	
5°	688	50
15°	92	29
25°	59	28
35°	55	36
45°	59	47
55°	66	59
65°	70	70
75°	74	78
85°	74	60
90°	74	40
95°	74	60
105°	74	78
115°	70	69
125°	62	57
135°	55	44
145°	48	29
155°	33	16
165°	22	6
175°	4	1
180°	0	



TEST NUMBER: P1245009

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-NR

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1184.4
2.5°	1313.2
5°	687.8
7.5°	290.6
10°	198.6
12.5°	125.1
15°	92.0
17.5°	77.2
20°	66.2
22.5°	62.5
25°	58.9
27.5°	58.9
30°	55.2
32.5°	55.2
35°	55.2
37.5°	58.9
40°	58.9
42.5°	58.9
45°	58.9
47.5°	62.5
50°	62.5
52.5°	62.5
55°	66.2
57.5°	66.2
60°	69.9
62.5°	69.9
65°	69.9
67.5°	69.9
70°	73.6
72.5°	73.6
75°	73.6
77.5°	73.6
80°	73.6
82.5°	73.6
85°	73.6
87.5°	73.6
90°	73.6
92.5°	73.6
95°	73.6
97.5°	73.6
100°	73.6
102.5°	73.6
105°	73.6
107.5°	73.6
110°	73.6

TEST NUMBER: P1245009

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-NR

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	69.9
115°	69.9
117.5°	69.9
120°	66.2
122.5°	66.2
125°	62.5
127.5°	62.5
130°	58.9
132.5°	58.9
135°	55.2
137.5°	55.2
140°	51.5
142.5°	47.8
145°	47.8
147.5°	44.1
150°	40.5
152.5°	36.8
155°	33.1
157.5°	33.1
160°	29.4
162.5°	25.7
165°	22.1
167.5°	18.4
170°	14.7
172.5°	11.0
175°	3.7
177.5°	0.0
180°	0.0



TEST NUMBER: P1245009

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-NR

**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	5.9	6.9	6.8	7.9	9.0	5.9	6.9	6.8	7.9	9.0
	3H	9.0	9.9	9.9	10.9	12.1	9.0	9.9	9.9	10.9	12.1
	4H	10.5	11.4	11.4	12.3	13.5	10.5	11.4	11.4	12.3	13.5
	6H	11.9	12.8	12.8	13.7	14.9	11.9	12.8	12.8	13.7	14.9
	8H	12.6	13.4	13.5	14.4	15.6	12.6	13.4	13.5	14.4	15.6
	12H	13.2	14.0	14.2	15.0	16.2	13.2	14.0	14.2	15.0	16.2
4H	2H	6.7	7.6	7.6	8.5	9.8	6.7	7.6	7.6	8.5	9.8
	3H	10.0	10.8	10.9	11.7	12.9	10.0	10.8	10.9	11.7	12.9
	4H	11.6	12.3	12.5	13.3	14.5	11.6	12.3	12.5	13.3	14.5
	6H	13.2	13.8	14.1	14.8	16.1	13.2	13.8	14.1	14.8	16.1
	8H	14.0	14.6	14.9	15.6	16.8	14.0	14.6	14.9	15.6	16.8
	12H	14.7	15.3	15.7	16.3	17.6	14.7	15.3	15.7	16.3	17.6
8H	4H	12.1	12.7	13.1	13.7	15.0	12.1	12.7	13.1	13.7	15.0
	6H	13.9	14.4	14.9	15.5	16.7	13.9	14.4	14.9	15.5	16.7
	8H	14.8	15.3	15.8	16.3	17.6	14.8	15.3	15.8	16.3	17.6
	12H	15.8	16.2	16.7	17.2	18.5	15.8	16.2	16.7	17.2	18.5
12H	4H	12.2	12.8	13.2	13.8	15.1	12.2	12.8	13.2	13.8	15.1
	6H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
	8H	15.1	15.5	16.1	16.5	17.8	15.1	15.5	16.1	16.5	17.8

(END OF REPORT)