

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: P1245061

Luminaire Tested: PRLX-NIM-L-930-27L-U-NR

Issue Date: 1/30/2026

**Test Information**

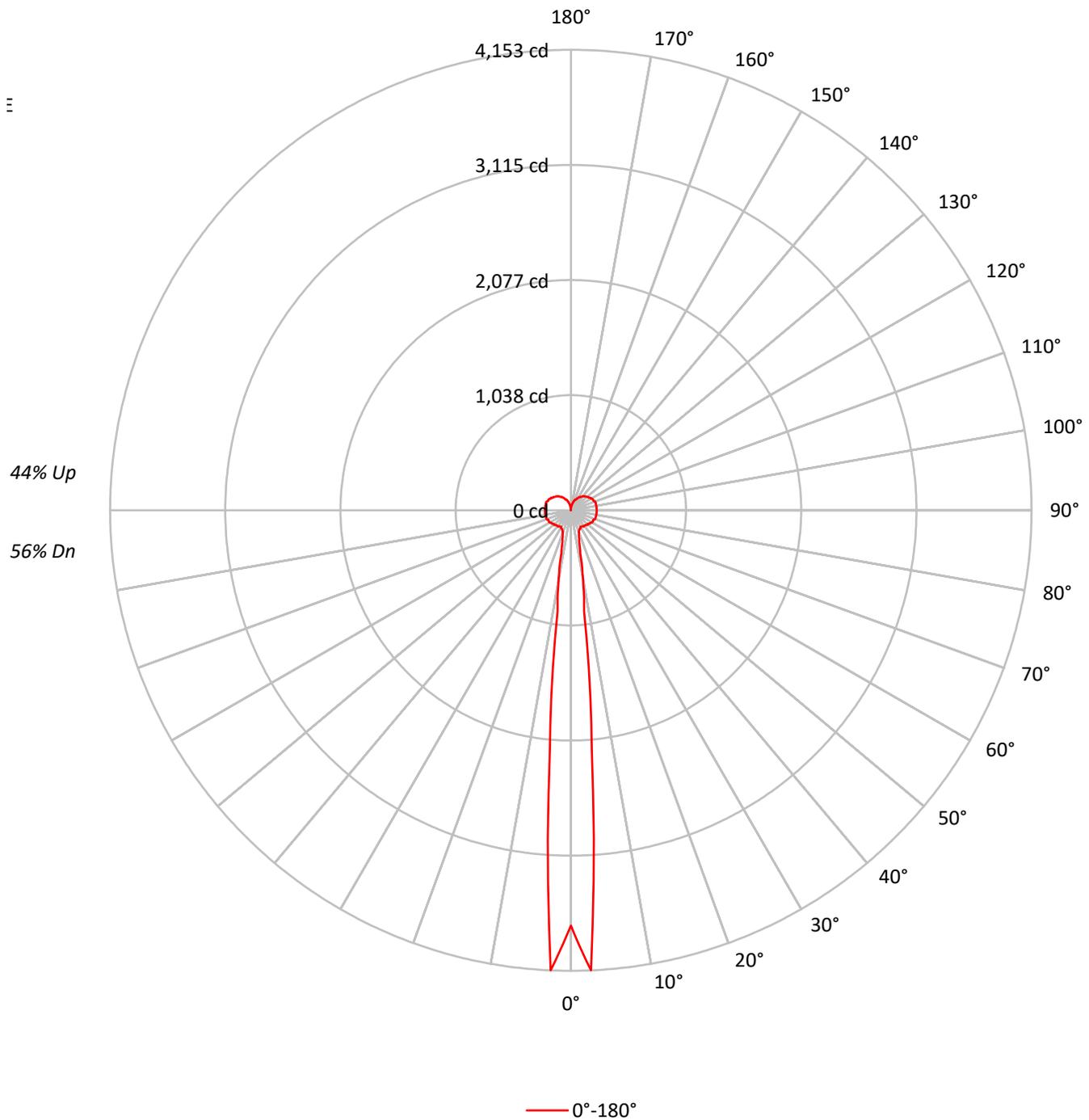
Test Method: LM-79-2019  
Report Number: P1245061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-930-27L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2706.7 lumens  
Efficiency: N/A  
Efficacy: 39.0 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): 69.4  
Input Voltage (V): NR  
Input Current (Ain): 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: P1245061  
CATALOG NUMBER: PRLX-NIM-L-930-27L-U-NR

### 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°	118497
5°	53654
10°	12775
15°	5065
20°	3210
25°	2565
30°	2200
35°	2042
40°	2046
45°	1943
50°	1979
55°	2029
60°	2090
65°	2056
70°	2145
75°	2144
80°	2158
85°	2190

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2239 cd/sqm

TEST NUMBER: P1245061

CATALOG NUMBER: PRLX-NIM-L-930-27L-U-NR

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.8	5.9
10°-20°	90.2	3.3
20°-30°	87.7	3.2
30°-40°	112.6	4.2
40°-50°	147.7	5.5
50°-60°	185.4	6.9
60°-70°	220.9	8.2
70°-80°	246.1	9.1
80°-90°	253.8	9.4
90°-100°	253.8	9.4
100°-110°	246.1	9.1
110°-120°	219.5	8.1
120°-130°	180.2	6.7
130°-140°	137.6	5.1
140°-150°	92.6	3.4
150°-160°	50.9	1.9
160°-170°	20.5	0.8
170°-180°	2.5	0.1
0°-30°	336.8	12.4
0°-40°	449.3	16.6
0°-60°	782.4	28.9
0°-90°	1503.1	55.5
90°-120°	719.3	26.6
90°-150°	1129.8	41.7
90°-180°	1204.0	44.5
0°-180°	2706.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3746	
5°	2175	159
15°	291	90
25°	186	88
35°	174	113
45°	186	148
55°	209	185
65°	221	221
75°	233	246
85°	233	190
90°	233	127
95°	233	190
105°	233	246
115°	221	219
125°	198	180
135°	174	138
145°	151	93
155°	105	51
165°	70	20
175°	12	2
180°	0	

TEST NUMBER: P1245061

CATALOG NUMBER: PRLX-NIM-L-930-27L-U-NR

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3745.6
2.5°	4152.7
5°	2175.2
7.5°	919.0
10°	628.1
12.5°	395.5
15°	290.8
17.5°	244.3
20°	209.4
22.5°	197.7
25°	186.1
27.5°	186.1
30°	174.5
32.5°	174.5
35°	174.5
37.5°	186.1
40°	186.1
42.5°	186.1
45°	186.1
47.5°	197.7
50°	197.7
52.5°	197.7
55°	209.4
57.5°	209.4
60°	221.0
62.5°	221.0
65°	221.0
67.5°	221.0
70°	232.6
72.5°	232.6
75°	232.6
77.5°	232.6
80°	232.6
82.5°	232.6
85°	232.6
87.5°	232.6
90°	232.6
92.5°	232.6
95°	232.6
97.5°	232.6
100°	232.6
102.5°	232.6
105°	232.6
107.5°	232.6
110°	232.6

TEST NUMBER: P1245061

CATALOG NUMBER: PRLX-NIM-L-930-27L-U-NR

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	221.0
115°	221.0
117.5°	221.0
120°	209.4
122.5°	209.4
125°	197.7
127.5°	197.7
130°	186.1
132.5°	186.1
135°	174.5
137.5°	174.5
140°	162.9
142.5°	151.2
145°	151.2
147.5°	139.6
150°	128.0
152.5°	116.3
155°	104.7
157.5°	104.7
160°	93.1
162.5°	81.4
165°	69.8
167.5°	58.2
170°	46.5
172.5°	34.9
175°	11.6
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	9.9	10.9	10.8	11.9	13.0	9.9	10.9	10.8	11.9	13.0
	3H	13.0	13.9	13.9	14.9	16.1	13.0	13.9	13.9	14.9	16.1
	4H	14.5	15.4	15.4	16.3	17.5	14.5	15.4	15.4	16.3	17.5
	6H	15.9	16.8	16.8	17.7	18.9	15.9	16.8	16.8	17.7	18.9
	8H	16.6	17.4	17.5	18.4	19.6	16.6	17.4	17.5	18.4	19.6
	12H	17.2	18.0	18.2	19.0	20.2	17.2	18.0	18.2	19.0	20.2
4H	2H	10.7	11.6	11.6	12.5	13.8	10.7	11.6	11.6	12.5	13.8
	3H	14.0	14.8	14.9	15.7	16.9	14.0	14.8	14.9	15.7	16.9
	4H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
	6H	17.2	17.8	18.1	18.8	20.1	17.2	17.8	18.1	18.8	20.1
	8H	18.0	18.6	18.9	19.5	20.8	18.0	18.6	18.9	19.5	20.8
	12H	18.7	19.3	19.7	20.3	21.5	18.7	19.3	19.7	20.3	21.5
8H	4H	16.1	16.7	17.1	17.7	19.0	16.1	16.7	17.1	17.7	19.0
	6H	17.9	18.4	18.9	19.5	20.7	17.9	18.4	18.9	19.5	20.7
	8H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6
	12H	19.8	20.2	20.7	21.2	22.5	19.8	20.2	20.7	21.2	22.5
12H	4H	16.2	16.8	17.2	17.8	19.1	16.2	16.8	17.2	17.8	19.1
	6H	18.1	18.6	19.1	19.6	20.9	18.1	18.6	19.1	19.6	20.9
	8H	19.1	19.5	20.1	20.5	21.8	19.1	19.5	20.1	20.5	21.8

(END OF REPORT)