

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: P1244854

Luminaire Tested: PRLX-MIN-L-935-27L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: Prenalux  
Catalog Number: PRLX-MIN-L-935-27L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

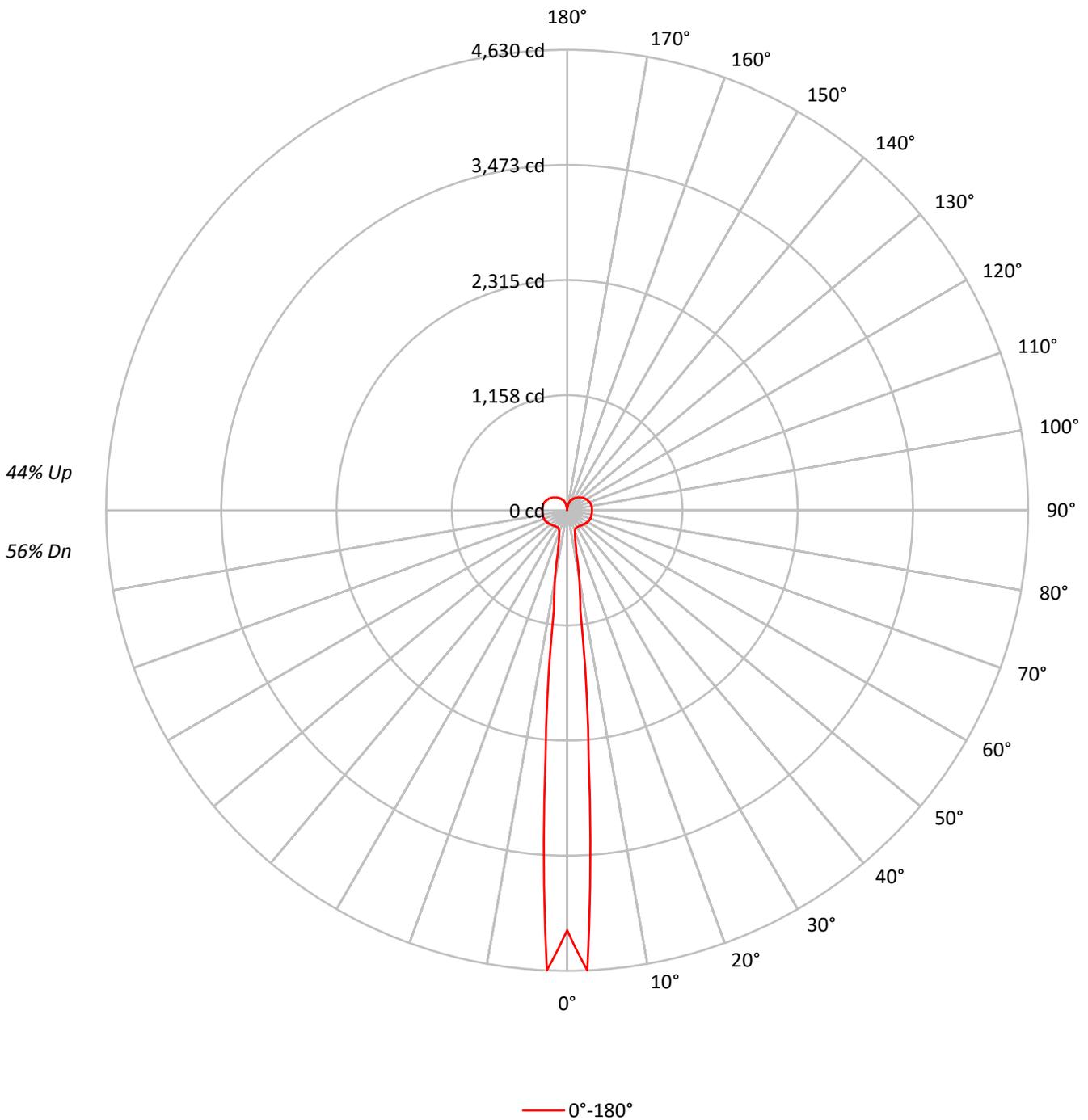
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2912.0 lumens  
Efficiency: N/A  
Efficacy: 42.0 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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 (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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	133537
5°	61236
10°	14274
15°	5450
20°	3518
25°	2801
30°	2489
35°	2326
40°	2250
45°	2213
50°	2196
55°	2210
60°	2226
65°	2258
70°	2279
75°	2304
80°	2307
85°	2353

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2407 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.1	6.1
10°-20°	98.0	3.4
20°-30°	95.5	3.3
30°-40°	125.3	4.3
40°-50°	164.3	5.6
50°-60°	204.6	7.0
60°-70°	240.6	8.3
70°-80°	263.2	9.0
80°-90°	272.2	9.3
90°-100°	272.6	9.4
100°-110°	259.1	8.9
110°-120°	229.2	7.9
120°-130°	188.8	6.5
130°-140°	142.4	4.9
140°-150°	96.2	3.3
150°-160°	56.4	1.9
160°-170°	23.2	0.8
170°-180°	2.3	0.1
0°-30°	371.6	12.8
0°-40°	496.9	17.1
0°-60°	865.9	29.7
0°-90°	1641.9	56.4
90°-120°	760.9	26.1
90°-150°	1188.3	40.8
90°-180°	1270.0	43.6
0°-180°	2912.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4221	
5°	2483	178
15°	313	98
25°	203	96
35°	199	125
45°	212	164
55°	228	205
65°	243	241
75°	250	263
85°	250	204
90°	250	137
95°	250	204
105°	246	259
115°	231	229
125°	210	189
135°	184	142
145°	152	96
155°	121	56
165°	82	23
175°	12	2
180°	2	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4221.0
2.5°	4630.3
5°	2482.6
7.5°	1010.3
10°	701.8
12.5°	429.8
15°	312.9
17.5°	260.2
20°	229.5
22.5°	213.5
25°	203.2
27.5°	198.8
30°	197.4
32.5°	197.4
35°	198.8
37.5°	200.3
40°	204.7
42.5°	207.6
45°	212.0
47.5°	216.4
50°	219.3
52.5°	223.7
55°	228.1
57.5°	232.5
60°	235.4
62.5°	239.8
65°	242.7
67.5°	245.6
70°	247.1
72.5°	248.6
75°	250.0
77.5°	248.6
80°	248.6
82.5°	248.6
85°	250.0
87.5°	250.0
90°	250.0
92.5°	250.0
95°	250.0
97.5°	250.0
100°	248.6
102.5°	247.1
105°	245.6
107.5°	242.7
110°	239.8



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	235.4
115°	231.0
117.5°	226.6
120°	220.8
122.5°	216.4
125°	210.5
127.5°	204.7
130°	197.4
132.5°	191.5
135°	184.2
137.5°	175.4
140°	168.1
142.5°	160.8
145°	152.1
147.5°	144.7
150°	137.4
152.5°	128.7
155°	121.4
157.5°	112.6
160°	103.8
162.5°	93.6
165°	81.9
167.5°	65.8
170°	45.3
172.5°	27.8
175°	11.7
177.5°	2.9
180°	1.5



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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	10.4	11.4	11.3	12.3	13.5	10.4	11.4	11.3	12.3	13.5
	3H	13.4	14.3	14.3	15.3	16.4	13.4	14.3	14.3	15.3	16.4
	4H	14.8	15.7	15.7	16.7	17.9	14.8	15.7	15.7	16.7	17.9
	6H	16.2	17.1	17.1	18.0	19.2	16.2	17.1	17.1	18.0	19.2
	8H	16.9	17.7	17.8	18.6	19.9	16.9	17.7	17.8	18.6	19.9
	12H	17.5	18.3	18.5	19.3	20.5	17.5	18.3	18.5	19.3	20.5
4H	2H	11.2	12.1	12.1	13.0	14.2	11.2	12.1	12.1	13.0	14.2
	3H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	4H	15.9	16.7	16.8	17.6	18.8	15.9	16.7	16.8	17.6	18.8
	6H	17.5	18.1	18.4	19.1	20.3	17.5	18.1	18.4	19.1	20.3
	8H	18.2	18.9	19.2	19.8	21.1	18.2	18.9	19.2	19.8	21.1
	12H	19.0	19.6	19.9	20.5	21.8	19.0	19.6	19.9	20.5	21.8
8H	4H	16.4	17.0	17.4	18.0	19.3	16.4	17.0	17.4	18.0	19.3
	6H	18.2	18.7	19.1	19.7	21.0	18.2	18.7	19.1	19.7	21.0
	8H	19.1	19.6	20.1	20.6	21.8	19.1	19.6	20.1	20.6	21.8
	12H	20.0	20.5	21.0	21.5	22.8	20.0	20.5	21.0	21.5	22.8
12H	4H	16.5	17.1	17.5	18.1	19.3	16.5	17.1	17.5	18.1	19.3
	6H	18.4	18.9	19.3	19.8	21.1	18.4	18.9	19.3	19.8	21.1
	8H	19.3	19.8	20.3	20.8	22.1	19.3	19.8	20.3	20.8	22.1

(END OF REPORT)