

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: P1245467

Luminaire Tested: PRLX-UNA-S-930-09L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-S-930-09L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

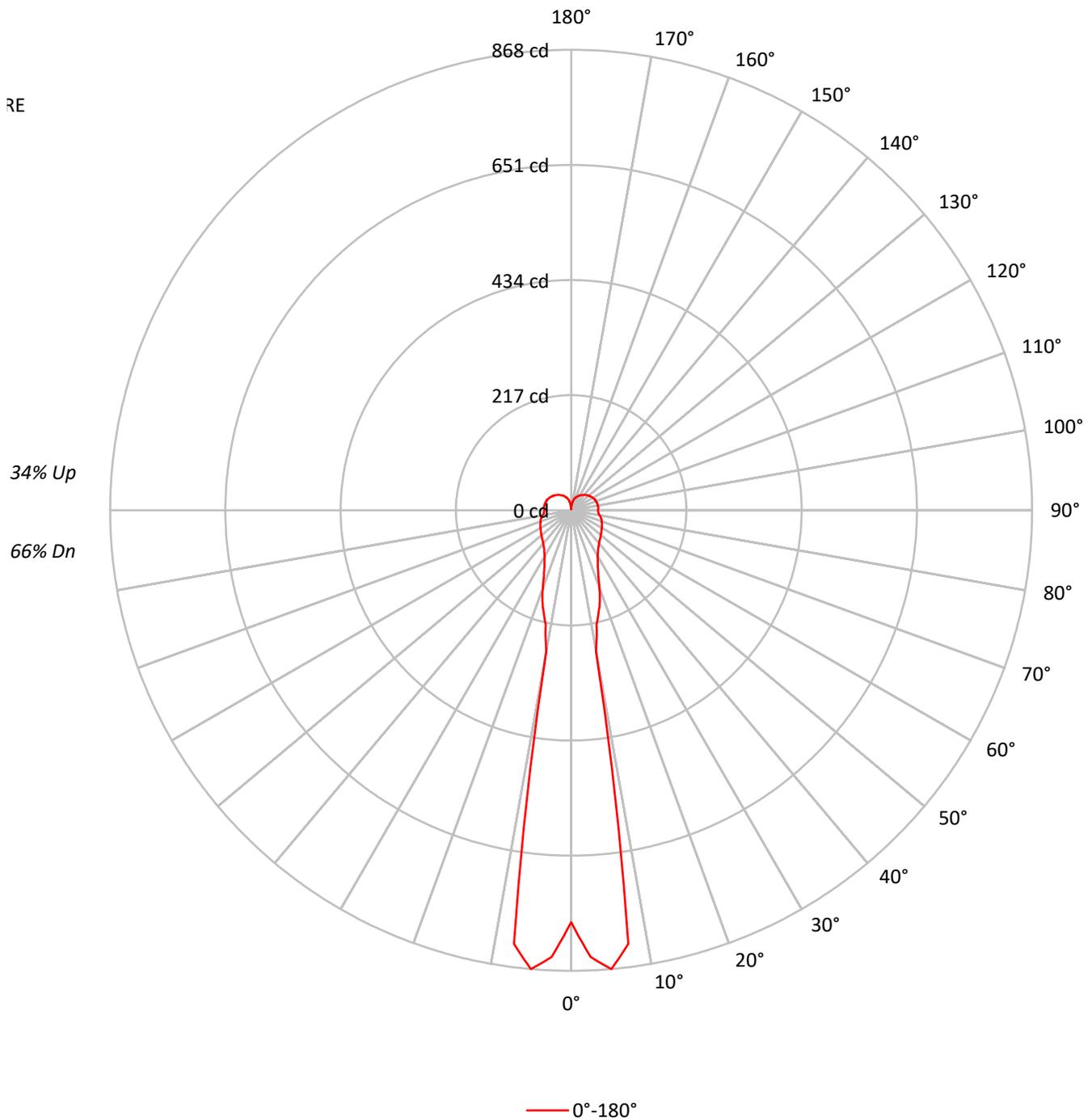
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 812.0 lumens  
Efficiency: N/A  
Efficacy: 38.1 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34  
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')  
CIE Type: Semi-Direct

Input Watts (W): 21.3  
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

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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	111	111	111	111	105	105	105	105	92	92	92		81	81	81		71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71		68	65	63		59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58		59	55	52		52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49		53	48	44		46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43		48	43	39		42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38		44	38	34		38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34		40	35	31		36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31		37	32	28		33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28		35	30	26		31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26		33	28	24		30	26	23	21
10	51	39	32	27	48	37	30	26	34	28	24		31	26	23		28	24	21	19

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

	0°
0°	38024
5°	35285
10°	9451
15°	6164
20°	4335
25°	3028
30°	2359
35°	1974
40°	1734
45°	1567
50°	1435
55°	1337
60°	1265
65°	1203
70°	1152
75°	1108
80°	1046
85°	1018

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1567 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.3	8.4
10°-20°	56.2	6.9
20°-30°	55.8	6.9
30°-40°	56.0	6.9
40°-50°	59.5	7.3
50°-60°	62.4	7.7
60°-70°	63.3	7.8
70°-80°	61.7	7.6
80°-90°	56.5	7.0
90°-100°	55.8	6.9
100°-110°	53.5	6.6
110°-120°	48.4	6.0
120°-130°	40.5	5.0
130°-140°	31.4	3.9
140°-150°	22.1	2.7
150°-160°	13.5	1.7
160°-170°	6.2	0.8
170°-180°	1.0	0.1
0°-30°	180.2	22.2
0°-40°	236.3	29.1
0°-60°	358.1	44.1
0°-90°	539.6	66.5
90°-120°	157.6	19.4
90°-150°	251.6	31.0
90°-180°	272.0	33.5
0°-180°	812.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	776	
5°	868	68
15°	200	56
25°	119	56
35°	88	56
45°	77	60
55°	69	62
65°	64	63
75°	58	62
85°	52	43
90°	51	28
95°	52	42
105°	51	53
115°	49	48
125°	45	41
135°	40	31
145°	35	22
155°	29	14
165°	22	6
175°	8	1
180°	2	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	776.2
2.5°	842.8
5°	868.2
7.5°	824.3
10°	270.4
12.5°	221.0
15°	199.7
17.5°	179.8
20°	155.8
22.5°	133.8
25°	118.7
27.5°	108.4
30°	99.5
32.5°	94.0
35°	88.5
37.5°	85.1
40°	81.7
42.5°	78.9
45°	76.9
47.5°	74.8
50°	72.7
52.5°	71.4
55°	69.3
57.5°	67.9
60°	66.6
62.5°	65.2
65°	63.8
67.5°	62.5
70°	61.1
72.5°	60.4
75°	58.3
77.5°	57.0
80°	54.2
82.5°	52.2
85°	51.5
87.5°	50.8
90°	50.8
92.5°	50.8
95°	51.5
97.5°	51.5
100°	50.8
102.5°	50.8
105°	50.8
107.5°	50.1
110°	50.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	49.4
115°	48.7
117.5°	48.0
120°	47.4
122.5°	46.0
125°	45.3
127.5°	43.9
130°	43.2
132.5°	41.9
135°	40.5
137.5°	39.1
140°	37.7
142.5°	36.4
145°	35.0
147.5°	33.6
150°	32.3
152.5°	30.9
155°	28.8
157.5°	27.5
160°	25.4
162.5°	24.0
165°	22.0
167.5°	19.2
170°	15.8
172.5°	12.4
175°	8.2
177.5°	4.1
180°	2.1



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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	9.0	10.1	9.8	10.9	11.9	9.0	10.1	9.8	10.9	11.9
	3H	11.5	12.5	12.3	13.3	14.3	11.5	12.5	12.3	13.3	14.3
	4H	12.6	13.6	13.5	14.4	15.5	12.6	13.6	13.5	14.4	15.5
	6H	13.8	14.6	14.6	15.5	16.6	13.8	14.6	14.6	15.5	16.6
	8H	14.3	15.1	15.1	16.0	17.0	14.3	15.1	15.1	16.0	17.0
	12H	14.8	15.6	15.6	16.4	17.5	14.8	15.6	15.6	16.4	17.5
4H	2H	9.7	10.6	10.5	11.4	12.5	9.7	10.6	10.5	11.4	12.5
	3H	12.3	13.1	13.2	14.0	15.1	12.3	13.1	13.2	14.0	15.1
	4H	13.6	14.4	14.5	15.3	16.4	13.6	14.4	14.5	15.3	16.4
	6H	14.9	15.6	15.8	16.5	17.6	14.9	15.6	15.8	16.5	17.6
	8H	15.5	16.1	16.4	17.0	18.1	15.5	16.1	16.4	17.0	18.1
	12H	16.1	16.7	17.0	17.6	18.7	16.1	16.7	17.0	17.6	18.7
8H	4H	14.1	14.7	14.9	15.6	16.7	14.1	14.7	14.9	15.6	16.7
	6H	15.5	16.1	16.4	17.0	18.1	15.5	16.1	16.4	17.0	18.1
	8H	16.3	16.7	17.2	17.7	18.8	16.3	16.7	17.2	17.7	18.8
	12H	17.0	17.5	17.9	18.4	19.5	17.0	17.5	17.9	18.4	19.5
12H	4H	14.1	14.7	15.0	15.6	16.7	14.1	14.7	15.0	15.6	16.7
	6H	15.7	16.2	16.6	17.1	18.2	15.7	16.2	16.6	17.1	18.2
	8H	16.5	16.9	17.4	17.8	19.0	16.5	16.9	17.4	17.8	19.0

(END OF REPORT)