

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: P1245487

Luminaire Tested: PRLX-UNA-S-935-12L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245487  
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-935-12L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

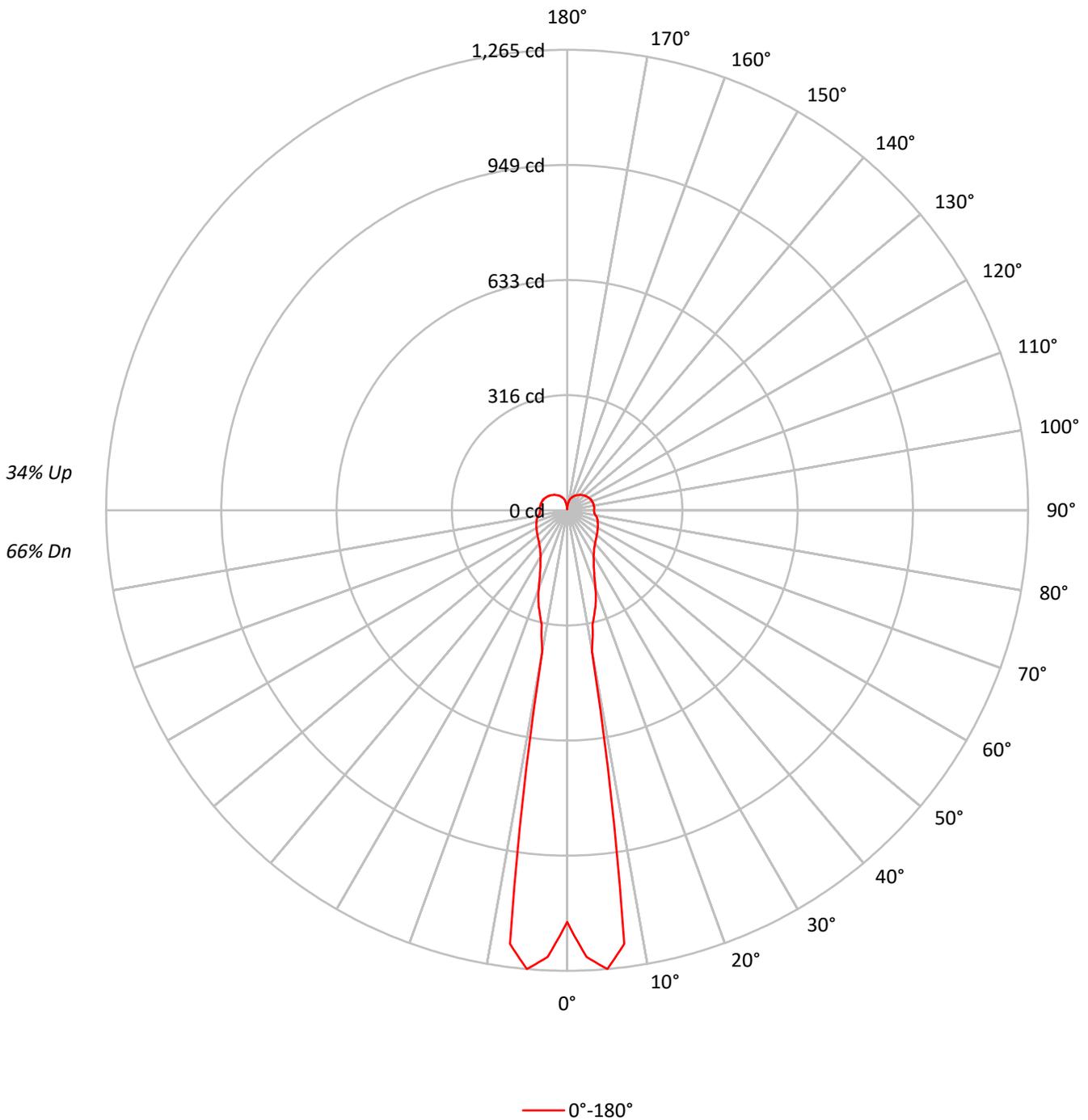
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1183.1 lumens  
Efficiency: N/A  
Efficacy: 40.9 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): 28.9  
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	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°	55400
5°	51407
10°	13771
15°	8982
20°	6316
25°	4413
30°	3438
35°	2878
40°	2525
45°	2282
50°	2093
55°	1948
60°	1843
65°	1754
70°	1679
75°	1616
80°	1525
85°	1483

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2282 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.5	8.4
10°-20°	81.9	6.9
20°-30°	81.3	6.9
30°-40°	81.7	6.9
40°-50°	86.7	7.3
50°-60°	90.9	7.7
60°-70°	92.3	7.8
70°-80°	89.9	7.6
80°-90°	82.2	7.0
90°-100°	81.3	6.9
100°-110°	77.9	6.6
110°-120°	70.5	6.0
120°-130°	59.0	5.0
130°-140°	45.8	3.9
140°-150°	32.1	2.7
150°-160°	19.7	1.7
160°-170°	9.1	0.8
170°-180°	1.5	0.1
0°-30°	262.6	22.2
0°-40°	344.3	29.1
0°-60°	521.9	44.1
0°-90°	786.3	66.5
90°-120°	229.7	19.4
90°-150°	366.6	31.0
90°-180°	397.0	33.6
0°-180°	1183.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1131	
5°	1265	99
15°	291	82
25°	173	81
35°	129	82
45°	112	87
55°	101	91
65°	93	92
75°	85	90
85°	75	62
90°	74	41
95°	75	61
105°	74	78
115°	71	71
125°	66	59
135°	59	46
145°	51	32
155°	42	20
165°	32	9
175°	12	1
180°	3	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1130.9
2.5°	1227.9
5°	1264.9
7.5°	1200.9
10°	394.0
12.5°	322.0
15°	291.0
17.5°	262.0
20°	227.0
22.5°	195.0
25°	173.0
27.5°	158.0
30°	145.0
32.5°	137.0
35°	129.0
37.5°	124.0
40°	119.0
42.5°	115.0
45°	112.0
47.5°	109.0
50°	106.0
52.5°	104.0
55°	101.0
57.5°	99.0
60°	97.0
62.5°	95.0
65°	93.0
67.5°	91.0
70°	89.0
72.5°	88.0
75°	85.0
77.5°	83.0
80°	79.0
82.5°	76.0
85°	75.0
87.5°	74.0
90°	74.0
92.5°	74.0
95°	75.0
97.5°	75.0
100°	74.0
102.5°	74.0
105°	74.0
107.5°	73.0
110°	73.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	72.0
115°	71.0
117.5°	70.0
120°	69.0
122.5°	67.0
125°	66.0
127.5°	64.0
130°	63.0
132.5°	61.0
135°	59.0
137.5°	57.0
140°	55.0
142.5°	53.0
145°	51.0
147.5°	49.0
150°	47.0
152.5°	45.0
155°	42.0
157.5°	40.0
160°	37.0
162.5°	35.0
165°	32.0
167.5°	28.0
170°	23.0
172.5°	18.0
175°	12.0
177.5°	6.0
180°	3.0



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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	10.3	11.4	11.1	12.2	13.3	10.3	11.4	11.1	12.2	13.3
	3H	12.8	13.8	13.6	14.6	15.6	12.8	13.8	13.6	14.6	15.6
	4H	14.0	14.9	14.8	15.7	16.8	14.0	14.9	14.8	15.7	16.8
	6H	15.1	15.9	15.9	16.8	17.9	15.1	15.9	15.9	16.8	17.9
	8H	15.6	16.4	16.4	17.3	18.3	15.6	16.4	16.4	17.3	18.3
	12H	16.1	16.9	16.9	17.7	18.8	16.1	16.9	16.9	17.7	18.8
4H	2H	11.0	11.9	11.8	12.7	13.8	11.0	11.9	11.8	12.7	13.8
	3H	13.6	14.4	14.5	15.3	16.4	13.6	14.4	14.5	15.3	16.4
	4H	15.0	15.7	15.8	16.6	17.7	15.0	15.7	15.8	16.6	17.7
	6H	16.2	16.9	17.1	17.8	18.9	16.2	16.9	17.1	17.8	18.9
	8H	16.8	17.5	17.7	18.3	19.4	16.8	17.5	17.7	18.3	19.4
	12H	17.4	18.0	18.3	18.9	20.0	17.4	18.0	18.3	18.9	20.0
8H	4H	15.4	16.0	16.2	16.9	18.0	15.4	16.0	16.2	16.9	18.0
	6H	16.8	17.4	17.7	18.3	19.4	16.8	17.4	17.7	18.3	19.4
	8H	17.6	18.1	18.5	19.0	20.1	17.6	18.1	18.5	19.0	20.1
	12H	18.3	18.8	19.2	19.7	20.9	18.3	18.8	19.2	19.7	20.9
12H	4H	15.5	16.0	16.3	16.9	18.0	15.5	16.0	16.3	16.9	18.0
	6H	17.0	17.5	17.9	18.4	19.5	17.0	17.5	17.9	18.4	19.5
	8H	17.8	18.2	18.7	19.1	20.3	17.8	18.2	18.7	19.1	20.3

(END OF REPORT)