

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: P1245385

Luminaire Tested: PRLX-UNA-M-927-01L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245385  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-M-927-01L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

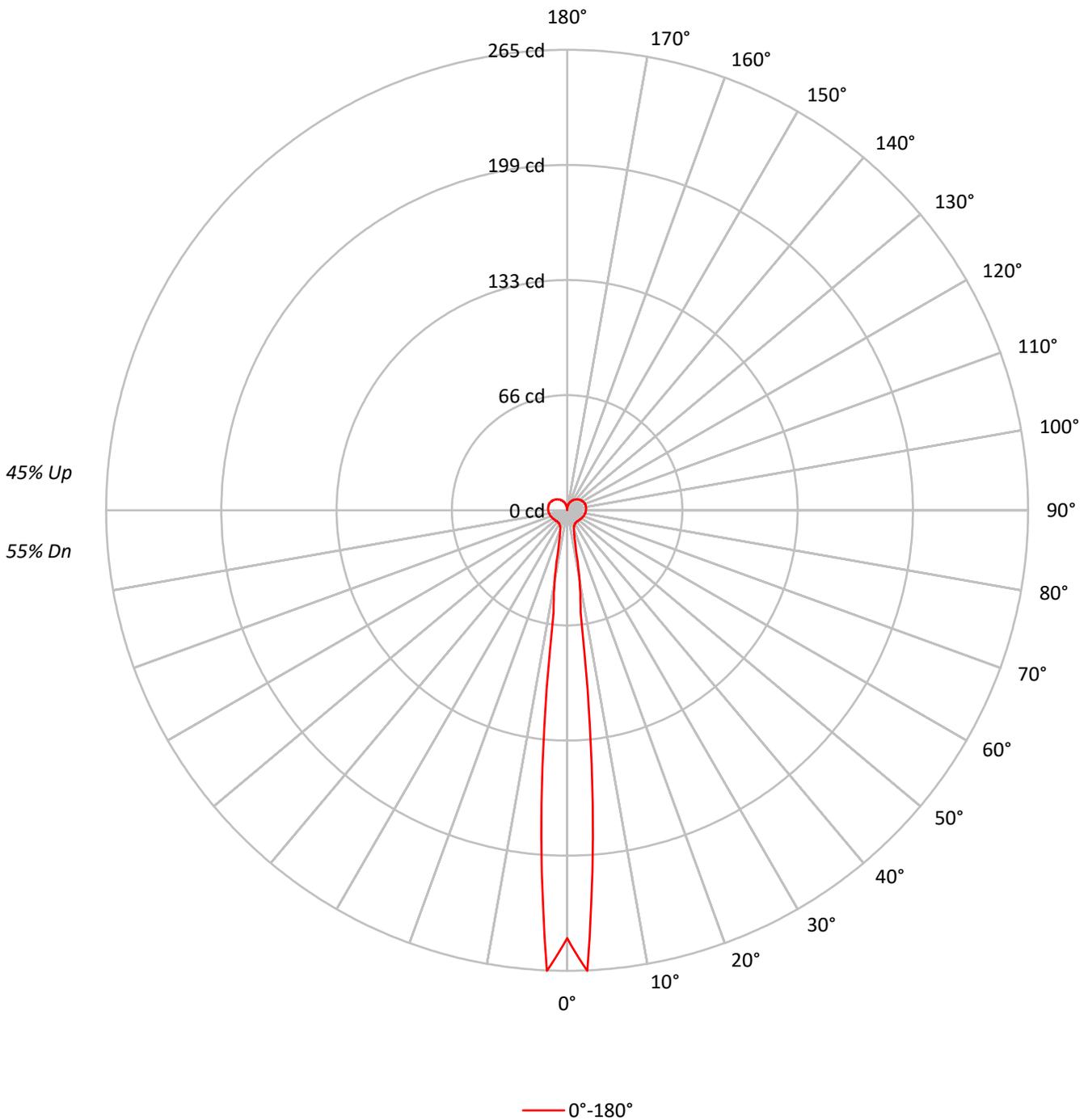
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 132.1 lumens  
Efficiency: N/A  
Efficacy: 21.0 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 6.3  
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	95	90	84	79	88	83	78	74	70	67	64	59	56	54	48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

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

	0°
0°	12617
5°	6388
10°	1228
15°	413
20°	246
25°	188
30°	154
35°	140
40°	128
45°	123
50°	119
55°	117
60°	118
65°	117
70°	120
75°	123
80°	125
85°	129

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 134 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	8.3
10°-20°	5.3	4.0
20°-30°	4.5	3.4
30°-40°	5.5	4.2
40°-50°	6.8	5.1
50°-60°	8.2	6.2
60°-70°	9.6	7.3
70°-80°	10.9	8.2
80°-90°	11.7	8.8
90°-100°	12.0	9.1
100°-110°	11.6	8.8
110°-120°	10.6	8.0
120°-130°	8.9	6.7
130°-140°	6.9	5.2
140°-150°	4.7	3.6
150°-160°	2.8	2.1
160°-170°	1.2	0.9
170°-180°	0.2	0.1
0°-30°	20.7	15.7
0°-40°	26.2	19.8
0°-60°	41.2	31.2
0°-90°	73.3	55.5
90°-120°	34.2	25.9
90°-150°	54.7	41.4
90°-180°	59.0	44.7
0°-180°	132.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	246	
5°	170	11
15°	16	5
25°	10	5
35°	9	5
45°	9	7
55°	9	8
65°	10	10
75°	10	11
85°	11	9
90°	11	6
95°	11	9
105°	11	12
115°	11	11
125°	10	9
135°	9	7
145°	8	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	246.2
2.5°	265.3
5°	169.6
7.5°	59.2
10°	41.0
12.5°	23.5
15°	16.5
17.5°	13.3
20°	11.4
22.5°	10.3
25°	9.8
27.5°	9.3
30°	8.9
32.5°	8.8
35°	8.8
37.5°	8.6
40°	8.6
42.5°	8.6
45°	8.8
47.5°	8.8
50°	8.9
52.5°	8.9
55°	9.1
57.5°	9.3
60°	9.5
62.5°	9.5
65°	9.6
67.5°	9.8
70°	10.0
72.5°	10.2
75°	10.3
77.5°	10.3
80°	10.5
82.5°	10.7
85°	10.7
87.5°	10.7
90°	10.9
92.5°	10.9
95°	11.0
97.5°	11.0
100°	11.0
102.5°	11.0
105°	11.0
107.5°	11.0
110°	10.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	10.9
115°	10.7
117.5°	10.5
120°	10.3
122.5°	10.2
125°	10.0
127.5°	9.6
130°	9.5
132.5°	9.1
135°	8.9
137.5°	8.6
140°	8.2
142.5°	7.9
145°	7.5
147.5°	7.2
150°	6.8
152.5°	6.3
155°	6.0
157.5°	5.4
160°	5.1
162.5°	4.6
165°	4.0
167.5°	3.5
170°	3.0
172.5°	2.1
175°	1.2
177.5°	0.5
180°	0.2



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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	0.0	0.7	0.6	1.6	2.8	0.0	0.7	0.6	1.6	2.8
	3H	2.7	3.6	3.6	4.6	5.8	2.7	3.6	3.6	4.6	5.8
	4H	4.2	5.1	5.1	6.0	7.2	4.2	5.1	5.1	6.0	7.2
	6H	5.7	6.5	6.6	7.4	8.6	5.7	6.5	6.6	7.4	8.6
	8H	6.4	7.2	7.3	8.1	9.3	6.4	7.2	7.3	8.1	9.3
	12H	7.1	7.8	8.0	8.8	10.0	7.1	7.8	8.0	8.8	10.0
4H	2H	0.5	1.3	1.4	2.3	3.5	0.5	1.3	1.4	2.3	3.5
	3H	3.7	4.4	4.6	5.4	6.6	3.7	4.4	4.6	5.4	6.6
	4H	5.3	6.0	6.2	7.0	8.2	5.3	6.0	6.2	7.0	8.2
	6H	6.9	7.6	7.9	8.5	9.8	6.9	7.6	7.9	8.5	9.8
	8H	7.7	8.3	8.7	9.3	10.6	7.7	8.3	8.7	9.3	10.6
	12H	8.5	9.1	9.5	10.1	11.4	8.5	9.1	9.5	10.1	11.4
8H	4H	5.8	6.4	6.8	7.4	8.7	5.8	6.4	6.8	7.4	8.7
	6H	7.7	8.2	8.6	9.2	10.4	7.7	8.2	8.6	9.2	10.4
	8H	8.6	9.1	9.6	10.1	11.4	8.6	9.1	9.6	10.1	11.4
	12H	9.6	10.0	10.6	11.0	12.3	9.6	10.0	10.6	11.0	12.3
12H	4H	5.9	6.5	6.9	7.5	8.7	5.9	6.5	6.9	7.5	8.7
	6H	7.8	8.3	8.8	9.3	10.6	7.8	8.3	8.8	9.3	10.6
	8H	8.9	9.3	9.9	10.3	11.6	8.9	9.3	9.9	10.3	11.6

(END OF REPORT)