

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: P1245414

Luminaire Tested: PRLX-UNA-M-935-01L-U-OW

Issue Date: 1/30/2026

**Test Information**

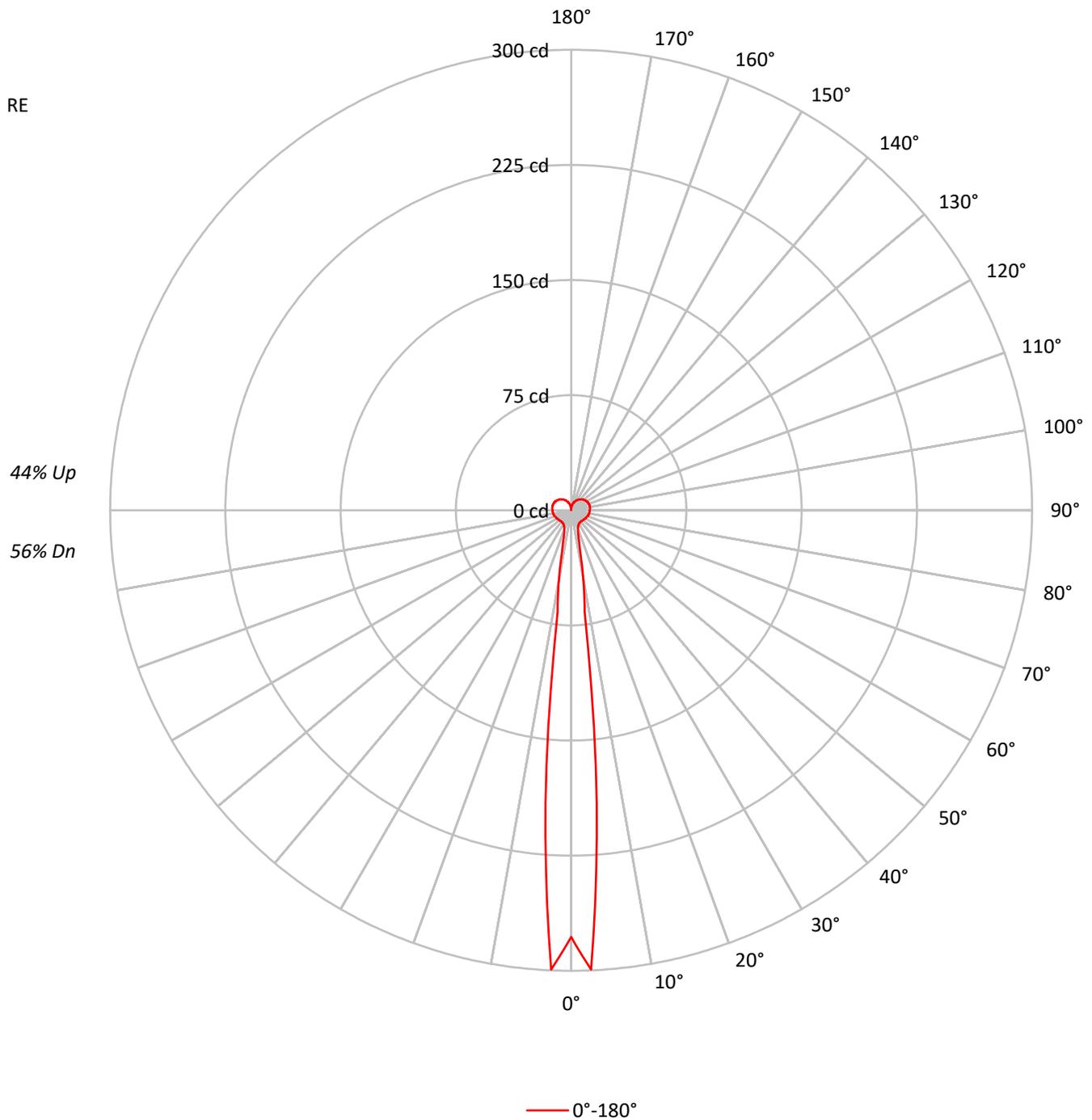
Test Method: LM-79-2019  
Report Number: P1245414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-M-935-01L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 149.1 lumens  
Efficiency: N/A  
Efficacy: 23.7 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	56
1	95	90	84	80	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	37	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°	14242
5°	7209
10°	1384
15°	465
20°	277
25°	213
30°	175
35°	158
40°	144
45°	138
50°	135
55°	132
60°	133
65°	133
70°	136
75°	139
80°	142
85°	145

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 149 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.3	8.3
10°-20°	5.9	4.0
20°-30°	5.1	3.5
30°-40°	6.2	4.1
40°-50°	7.6	5.1
50°-60°	9.3	6.2
60°-70°	10.8	7.3
70°-80°	12.3	8.3
80°-90°	13.1	8.8
90°-100°	13.4	9.0
100°-110°	13.1	8.8
110°-120°	11.9	8.0
120°-130°	10.1	6.8
130°-140°	7.8	5.2
140°-150°	5.4	3.6
150°-160°	3.1	2.1
160°-170°	1.3	0.9
170°-180°	0.2	0.1
0°-30°	23.4	15.7
0°-40°	29.6	19.9
0°-60°	46.5	31.2
0°-90°	82.7	55.5
90°-120°	38.5	25.8
90°-150°	61.7	41.4
90°-180°	66.0	44.3
0°-180°	149.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	278	
5°	191	12
15°	19	6
25°	11	5
35°	10	6
45°	10	8
55°	10	9
65°	11	11
75°	12	12
85°	12	10
90°	12	7
95°	12	10
105°	12	13
115°	12	12
125°	11	10
135°	10	8
145°	8	5
155°	7	3
165°	4	1
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	277.9
2.5°	299.5
5°	191.4
7.5°	66.8
10°	46.2
12.5°	26.5
15°	18.6
17.5°	15.0
20°	12.8
22.5°	11.7
25°	11.1
27.5°	10.5
30°	10.1
32.5°	9.9
35°	9.9
37.5°	9.7
40°	9.7
42.5°	9.7
45°	9.9
47.5°	9.9
50°	10.1
52.5°	10.1
55°	10.3
57.5°	10.5
60°	10.7
62.5°	10.7
65°	10.9
67.5°	11.1
70°	11.3
72.5°	11.5
75°	11.7
77.5°	11.7
80°	11.9
82.5°	12.0
85°	12.0
87.5°	12.0
90°	12.2
92.5°	12.2
95°	12.4
97.5°	12.4
100°	12.4
102.5°	12.4
105°	12.4
107.5°	12.4
110°	12.2



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	12.2
115°	12.0
117.5°	11.9
120°	11.7
122.5°	11.5
125°	11.3
127.5°	10.9
130°	10.7
132.5°	10.3
135°	10.1
137.5°	9.7
140°	9.3
142.5°	8.9
145°	8.5
147.5°	8.1
150°	7.7
152.5°	7.1
155°	6.7
157.5°	6.1
160°	5.7
162.5°	5.1
165°	4.5
167.5°	4.0
170°	3.4
172.5°	2.4
175°	1.4
177.5°	0.6
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	0.1	1.1	1.0	2.1	3.2	0.1	1.1	1.0	2.1	3.2
	3H	3.1	4.1	4.0	5.0	6.2	3.1	4.1	4.0	5.0	6.2
	4H	4.6	5.5	5.5	6.5	7.7	4.6	5.5	5.5	6.5	7.7
	6H	6.1	6.9	7.0	7.9	9.1	6.1	6.9	7.0	7.9	9.1
	8H	6.8	7.6	7.7	8.6	9.8	6.8	7.6	7.7	8.6	9.8
	12H	7.5	8.3	8.4	9.2	10.5	7.5	8.3	8.4	9.2	10.5
4H	2H	0.9	1.8	1.8	2.7	3.9	0.9	1.8	1.8	2.7	3.9
	3H	4.1	4.9	5.0	5.8	7.1	4.1	4.9	5.0	5.8	7.1
	4H	5.7	6.5	6.7	7.4	8.7	5.7	6.5	6.7	7.4	8.7
	6H	7.4	8.0	8.3	9.0	10.2	7.4	8.0	8.3	9.0	10.2
	8H	8.2	8.8	9.1	9.8	11.0	8.2	8.8	9.1	9.8	11.0
	12H	9.0	9.5	9.9	10.5	11.8	9.0	9.5	9.9	10.5	11.8
8H	4H	6.3	6.9	7.2	7.8	9.1	6.3	6.9	7.2	7.8	9.1
	6H	8.1	8.6	9.1	9.6	10.9	8.1	8.6	9.1	9.6	10.9
	8H	9.1	9.5	10.0	10.5	11.8	9.1	9.5	10.0	10.5	11.8
	12H	10.0	10.4	11.0	11.4	12.8	10.0	10.4	11.0	11.4	12.8
12H	4H	6.4	6.9	7.3	7.9	9.2	6.4	6.9	7.3	7.9	9.2
	6H	8.3	8.8	9.3	9.8	11.1	8.3	8.8	9.3	9.8	11.1
	8H	9.3	9.7	10.3	10.7	12.1	9.3	9.7	10.3	10.7	12.1

(END OF REPORT)