

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: P1245254

Luminaire Tested: PRLX-NIM-S-935-05L-U-WO

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-935-05L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

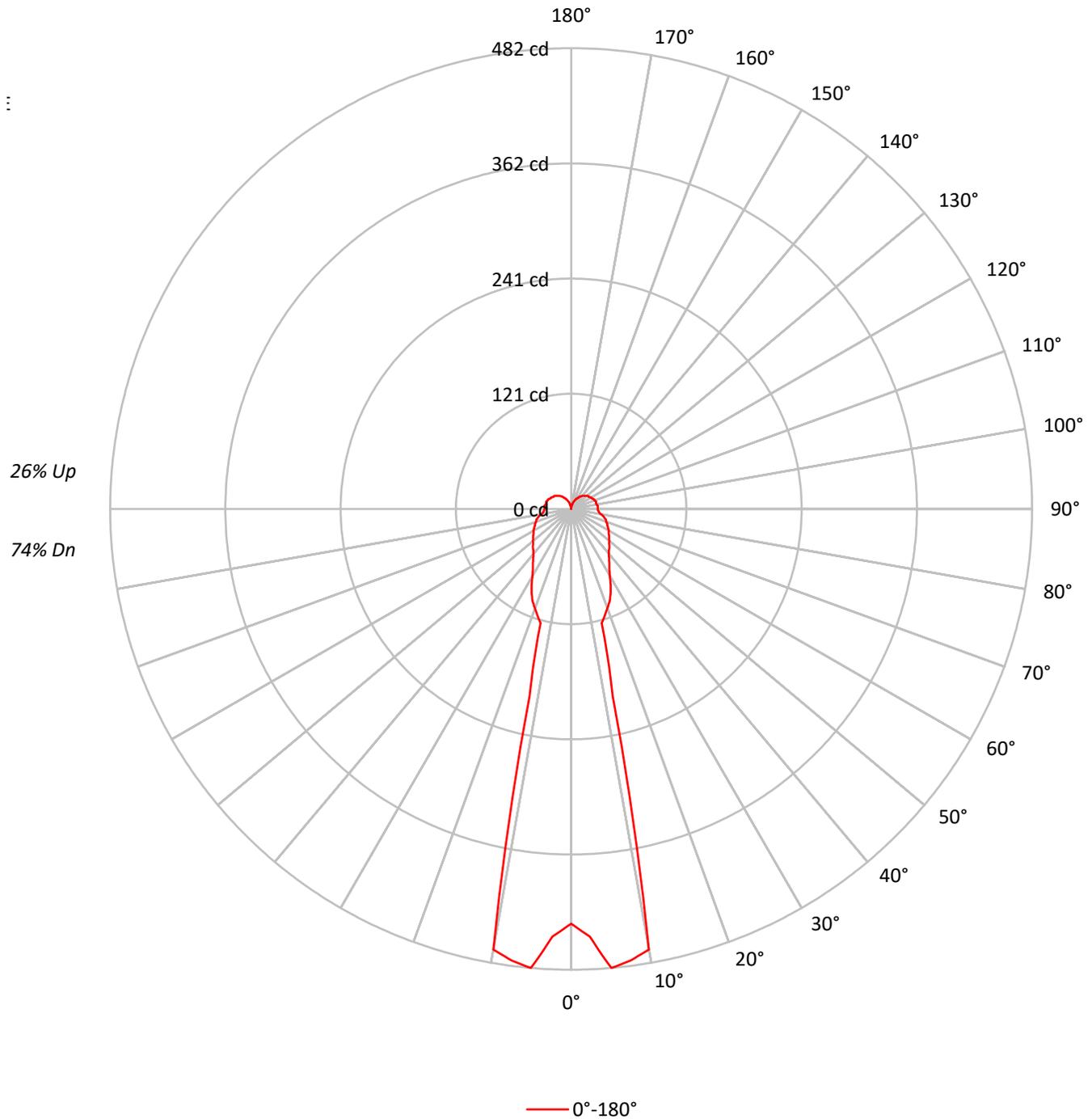
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 515.0 lumens  
Efficiency: N/A  
Efficacy: 46.4 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')  
CIE Type: Semi-Direct

Input Watts (W): 11.1  
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	113	113	113	113	107	107	107	107	96	96	96		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

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

	0°
0°	13721
5°	13540
10°	11904
15°	2890
20°	2411
25°	2008
30°	1586
35°	1315
40°	1125
45°	1017
50°	922
55°	851
60°	804
65°	745
70°	708
75°	674
80°	609
85°	579

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1017 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	8.7
10°-20°	47.7	9.3
20°-30°	44.4	8.6
30°-40°	43.7	8.5
40°-50°	43.6	8.5
50°-60°	43.4	8.4
60°-70°	41.8	8.1
70°-80°	38.1	7.4
80°-90°	31.7	6.2
90°-100°	30.3	5.9
100°-110°	28.3	5.5
110°-120°	24.9	4.8
120°-130°	20.3	3.9
130°-140°	15.1	2.9
140°-150°	9.8	1.9
150°-160°	5.1	1.0
160°-170°	1.7	0.3
170°-180°	0.2	0.0
0°-30°	137.0	26.6
0°-40°	180.8	35.1
0°-60°	267.7	52.0
0°-90°	379.2	73.6
90°-120°	83.5	16.2
90°-150°	128.8	25.0
90°-180°	136.0	26.4
0°-180°	515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	434	
5°	482	45
15°	124	48
25°	98	44
35°	70	44
45°	57	44
55°	48	43
65°	42	42
75°	36	38
85°	29	24
90°	28	15
95°	28	23
105°	27	28
115°	25	25
125°	22	20
135°	20	15
145°	16	10
155°	11	5
165°	6	2
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	433.7
2.5°	447.6
5°	482.0
7.5°	476.4
10°	468.0
12.5°	200.6
15°	123.5
17.5°	117.0
20°	110.5
22.5°	104.9
25°	97.5
27.5°	89.2
30°	80.8
32.5°	74.3
35°	69.6
37.5°	65.0
40°	61.3
42.5°	58.5
45°	56.6
47.5°	53.9
50°	52.0
52.5°	50.1
55°	48.3
57.5°	46.4
60°	45.5
62.5°	43.6
65°	41.8
67.5°	40.9
70°	39.0
72.5°	38.1
75°	36.2
77.5°	34.4
80°	31.6
82.5°	29.7
85°	28.8
87.5°	27.9
90°	27.9
92.5°	27.9
95°	27.9
97.5°	27.9
100°	26.9
102.5°	26.9
105°	26.9
107.5°	26.9
110°	26.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	26.0
115°	25.1
117.5°	24.1
120°	24.1
122.5°	23.2
125°	22.3
127.5°	22.3
130°	21.4
132.5°	20.4
135°	19.5
137.5°	18.6
140°	17.6
142.5°	16.7
145°	15.8
147.5°	13.9
150°	13.0
152.5°	12.1
155°	11.1
157.5°	9.3
160°	8.4
162.5°	7.4
165°	5.6
167.5°	4.6
170°	3.7
172.5°	1.9
175°	0.9
177.5°	0.0
180°	0.0



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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	8.0	9.1	8.7	9.9	10.8	8.0	9.1	8.7	9.9	10.8
	3H	10.3	11.3	11.0	12.1	13.0	10.3	11.3	11.0	12.1	13.0
	4H	11.4	12.4	12.1	13.1	14.0	11.4	12.4	12.1	13.1	14.0
	6H	12.3	13.3	13.1	14.0	15.0	12.3	13.3	13.1	14.0	15.0
	8H	12.8	13.6	13.5	14.4	15.4	12.8	13.6	13.5	14.4	15.4
	12H	13.2	14.0	14.0	14.8	15.8	13.2	14.0	14.0	14.8	15.8
4H	2H	8.6	9.6	9.3	10.3	11.3	8.6	9.6	9.3	10.3	11.3
	3H	11.1	12.0	11.9	12.8	13.7	11.1	12.0	11.9	12.8	13.7
	4H	12.3	13.1	13.1	13.9	14.9	12.3	13.1	13.1	13.9	14.9
	6H	13.5	14.2	14.3	15.0	16.0	13.5	14.2	14.3	15.0	16.0
	8H	14.0	14.6	14.8	15.4	16.4	14.0	14.6	14.8	15.4	16.4
	12H	14.5	15.1	15.3	15.9	16.9	14.5	15.1	15.3	15.9	16.9
8H	4H	12.7	13.4	13.5	14.2	15.2	12.7	13.4	13.5	14.2	15.2
	6H	14.0	14.6	14.8	15.4	16.4	14.0	14.6	14.8	15.4	16.4
	8H	14.7	15.2	15.5	16.0	17.0	14.7	15.2	15.5	16.0	17.0
	12H	15.3	15.8	16.2	16.6	17.7	15.3	15.8	16.2	16.6	17.7
12H	4H	12.8	13.4	13.6	14.2	15.2	12.8	13.4	13.6	14.2	15.2
	6H	14.1	14.6	15.0	15.5	16.5	14.1	14.6	15.0	15.5	16.5
	8H	14.8	15.3	15.7	16.1	17.2	14.8	15.3	15.7	16.1	17.2

(END OF REPORT)