

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: P1245250

Luminaire Tested: PRLX-NIM-S-935-02L-U-WO

Issue Date: 1/30/2026

**Test Information**

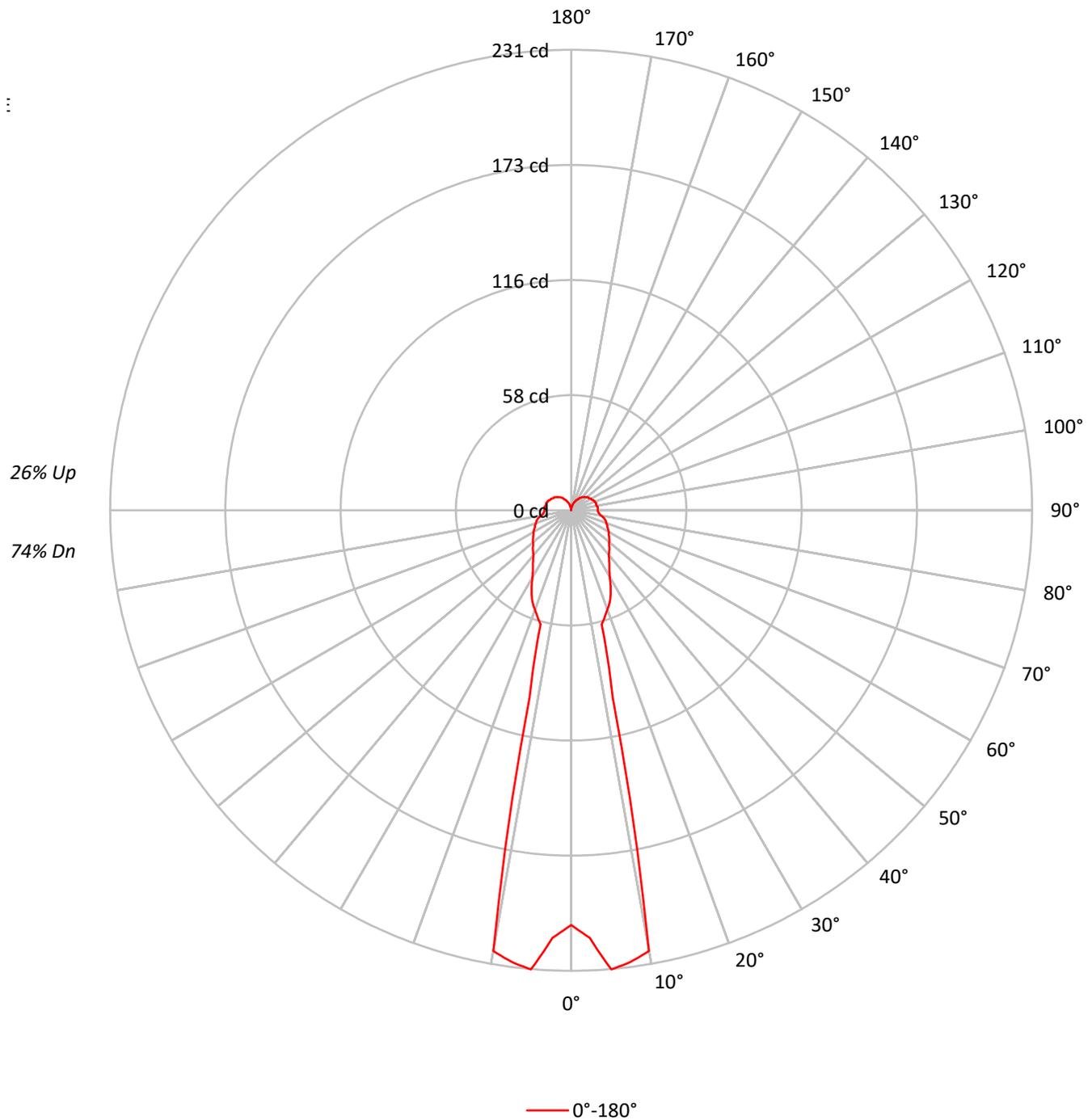
Test Method: LM-79-2019  
Report Number: P1245250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-935-02L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 247.1 lumens  
Efficiency: N/A  
Efficacy: 39.2 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): 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		
RC	80					70						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°	6580
5°	6495
10°	5710
15°	1385
20°	1157
25°	964
30°	760
35°	631
40°	539
45°	489
50°	441
55°	409
60°	385
65°	357
70°	339
75°	324
80°	291
85°	278

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 489 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.6	8.7
10°-20°	22.9	9.3
20°-30°	21.3	8.6
30°-40°	21.0	8.5
40°-50°	20.9	8.5
50°-60°	20.8	8.4
60°-70°	20.0	8.1
70°-80°	18.3	7.4
80°-90°	15.2	6.2
90°-100°	14.6	5.9
100°-110°	13.6	5.5
110°-120°	12.0	4.8
120°-130°	9.7	3.9
130°-140°	7.3	2.9
140°-150°	4.7	1.9
150°-160°	2.4	1.0
160°-170°	0.8	0.3
170°-180°	0.1	0.0
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0°-30°	65.7	26.6
0°-40°	86.7	35.1
0°-60°	128.4	52.0
0°-90°	181.9	73.6
90°-120°	40.1	16.2
90°-150°	61.8	25.0
90°-180°	65.0	26.3
0°-180°	247.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	208	
5°	231	22
15°	59	23
25°	47	21
35°	33	21
45°	27	21
55°	23	21
65°	20	20
75°	17	18
85°	14	12
90°	13	7
95°	13	11
105°	13	14
115°	12	12
125°	11	10
135°	9	7
145°	8	5
155°	5	2
165°	3	1
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	208.0
2.5°	214.7
5°	231.2
7.5°	228.5
10°	224.5
12.5°	96.2
15°	59.2
17.5°	56.1
20°	53.0
22.5°	50.3
25°	46.8
27.5°	42.8
30°	38.7
32.5°	35.6
35°	33.4
37.5°	31.2
40°	29.4
42.5°	28.1
45°	27.2
47.5°	25.8
50°	24.9
52.5°	24.1
55°	23.2
57.5°	22.3
60°	21.8
62.5°	20.9
65°	20.0
67.5°	19.6
70°	18.7
72.5°	18.3
75°	17.4
77.5°	16.5
80°	15.1
82.5°	14.3
85°	13.8
87.5°	13.4
90°	13.4
92.5°	13.4
95°	13.4
97.5°	13.4
100°	12.9
102.5°	12.9
105°	12.9
107.5°	12.9
110°	12.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	12.5
115°	12.0
117.5°	11.6
120°	11.6
122.5°	11.1
125°	10.7
127.5°	10.7
130°	10.2
132.5°	9.8
135°	9.4
137.5°	8.9
140°	8.5
142.5°	8.0
145°	7.6
147.5°	6.7
150°	6.2
152.5°	5.8
155°	5.3
157.5°	4.5
160°	4.0
162.5°	3.6
165°	2.7
167.5°	2.2
170°	1.8
172.5°	0.9
175°	0.4
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	5.4	6.6	6.2	7.3	8.2	5.4	6.6	6.2	7.3	8.2
	3H	7.7	8.8	8.5	9.5	10.5	7.7	8.8	8.5	9.5	10.5
	4H	8.8	9.8	9.6	10.6	11.5	8.8	9.8	9.6	10.6	11.5
	6H	9.8	10.7	10.5	11.5	12.4	9.8	10.7	10.5	11.5	12.4
	8H	10.2	11.1	11.0	11.9	12.8	10.2	11.1	11.0	11.9	12.8
	12H	10.6	11.5	11.4	12.3	13.2	10.6	11.5	11.4	12.3	13.2
4H	2H	6.0	7.0	6.8	7.8	8.7	6.0	7.0	6.8	7.8	8.7
	3H	8.6	9.4	9.3	10.2	11.1	8.6	9.4	9.3	10.2	11.1
	4H	9.8	10.6	10.6	11.4	12.3	9.8	10.6	10.6	11.4	12.3
	6H	10.9	11.6	11.7	12.4	13.4	10.9	11.6	11.7	12.4	13.4
	8H	11.4	12.1	12.2	12.9	13.9	11.4	12.1	12.2	12.9	13.9
	12H	11.9	12.5	12.7	13.4	14.4	11.9	12.5	12.7	13.4	14.4
8H	4H	10.2	10.8	11.0	11.6	12.6	10.2	10.8	11.0	11.6	12.6
	6H	11.5	12.0	12.3	12.9	13.9	11.5	12.0	12.3	12.9	13.9
	8H	12.1	12.6	12.9	13.5	14.5	12.1	12.6	12.9	13.5	14.5
	12H	12.8	13.2	13.6	14.1	15.1	12.8	13.2	13.6	14.1	15.1
12H	4H	10.2	10.8	11.0	11.7	12.7	10.2	10.8	11.0	11.7	12.7
	6H	11.6	12.1	12.4	12.9	14.0	11.6	12.1	12.4	12.9	14.0
	8H	12.3	12.7	13.1	13.6	14.7	12.3	12.7	13.1	13.6	14.7

(END OF REPORT)