

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: P1245262

Luminaire Tested: PRLX-NIM-S-935-09L-U-WO

Issue Date: 1/30/2026

**Test Information**

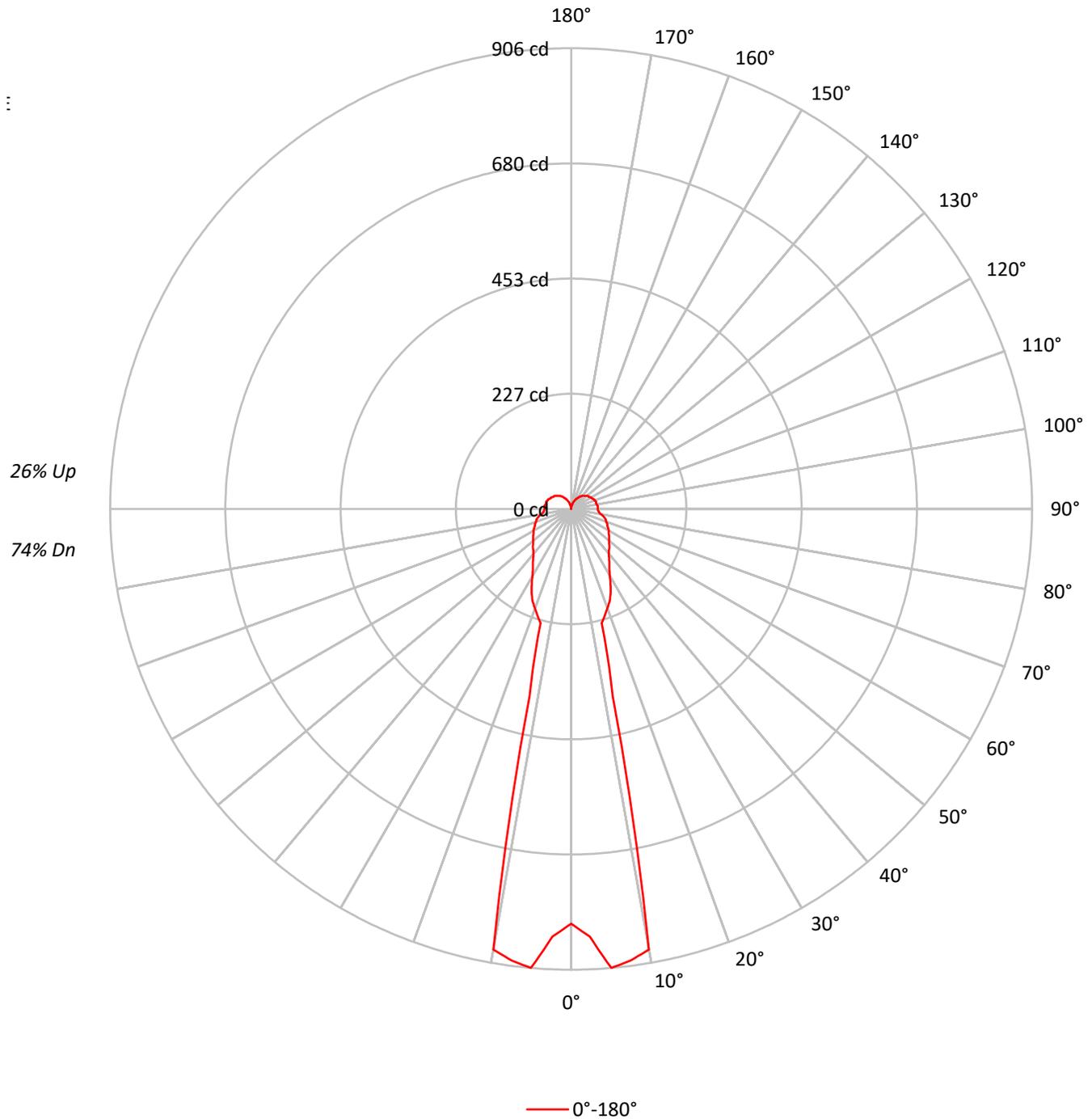
Test Method: LM-79-2019  
Report Number: P1245262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-935-09L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 45.4 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): 21.3  
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

TEST NUMBER: P1245262  
CATALOG NUMBER: PRLX-NIM-S-935-09L-U-WO

### 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°	25790
5°	25449
10°	22376
15°	5434
20°	4533
25°	3774
30°	2982
35°	2473
40°	2113
45°	1913
50°	1731
55°	1600
60°	1510
65°	1400
70°	1330
75°	1268
80°	1142
85°	1088

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1913 cd/sqm

TEST NUMBER: P1245262

CATALOG NUMBER: PRLX-NIM-S-935-09L-U-WO

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.5	8.7
10°-20°	89.6	9.3
20°-30°	83.5	8.6
30°-40°	82.2	8.5
40°-50°	81.9	8.5
50°-60°	81.5	8.4
60°-70°	78.5	8.1
70°-80°	71.5	7.4
80°-90°	59.5	6.1
90°-100°	56.9	5.9
100°-110°	53.3	5.5
110°-120°	46.8	4.8
120°-130°	38.2	3.9
130°-140°	28.5	2.9
140°-150°	18.3	1.9
150°-160°	9.5	1.0
160°-170°	3.3	0.3
170°-180°	0.3	0.0
0°-30°	257.6	26.6
0°-40°	339.8	35.1
0°-60°	503.3	52.0
0°-90°	712.8	73.6
90°-120°	157.1	16.2
90°-150°	242.1	25.0
90°-180°	255.0	26.3
0°-180°	968.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	815	
5°	906	85
15°	232	90
25°	183	83
35°	131	82
45°	106	82
55°	91	82
65°	78	79
75°	68	72
85°	54	45
90°	52	29
95°	52	43
105°	51	53
115°	47	47
125°	42	38
135°	37	28
145°	30	18
155°	21	10
165°	10	3
175°	2	0
180°	0	

TEST NUMBER: P1245262

CATALOG NUMBER: PRLX-NIM-S-935-09L-U-WO

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	815.2
2.5°	841.3
5°	905.9
7.5°	895.5
10°	879.7
12.5°	377.0
15°	232.2
17.5°	219.9
20°	207.7
22.5°	197.2
25°	183.3
27.5°	167.6
30°	151.9
32.5°	139.6
35°	130.9
37.5°	122.2
40°	115.2
42.5°	110.0
45°	106.5
47.5°	101.2
50°	97.7
52.5°	94.3
55°	90.8
57.5°	87.3
60°	85.5
62.5°	82.0
65°	78.5
67.5°	76.8
70°	73.3
72.5°	71.6
75°	68.1
77.5°	64.6
80°	59.3
82.5°	55.9
85°	54.1
87.5°	52.4
90°	52.4
92.5°	52.4
95°	52.4
97.5°	52.4
100°	50.6
102.5°	50.6
105°	50.6
107.5°	50.6
110°	48.9

TEST NUMBER: P1245262

CATALOG NUMBER: PRLX-NIM-S-935-09L-U-WO

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	48.9
115°	47.1
117.5°	45.4
120°	45.4
122.5°	43.6
125°	41.9
127.5°	41.9
130°	40.1
132.5°	38.4
135°	36.7
137.5°	34.9
140°	33.2
142.5°	31.4
145°	29.7
147.5°	26.2
150°	24.4
152.5°	22.7
155°	20.9
157.5°	17.5
160°	15.7
162.5°	14.0
165°	10.5
167.5°	8.7
170°	7.0
172.5°	3.5
175°	1.7
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	10.2	11.3	10.9	12.1	13.0	10.2	11.3	10.9	12.1	13.0
	3H	12.5	13.5	13.2	14.3	15.2	12.5	13.5	13.2	14.3	15.2
	4H	13.6	14.5	14.3	15.3	16.2	13.6	14.5	14.3	15.3	16.2
	6H	14.5	15.5	15.3	16.2	17.2	14.5	15.5	15.3	16.2	17.2
	8H	15.0	15.8	15.7	16.6	17.6	15.0	15.8	15.7	16.6	17.6
	12H	15.4	16.2	16.1	17.0	18.0	15.4	16.2	16.1	17.0	18.0
4H	2H	10.8	11.8	11.5	12.5	13.5	10.8	11.8	11.5	12.5	13.5
	3H	13.3	14.1	14.1	14.9	15.9	13.3	14.1	14.1	14.9	15.9
	4H	14.5	15.3	15.3	16.1	17.1	14.5	15.3	15.3	16.1	17.1
	6H	15.7	16.3	16.4	17.2	18.1	15.7	16.3	16.4	17.2	18.1
	8H	16.2	16.8	17.0	17.6	18.6	16.2	16.8	17.0	17.6	18.6
	12H	16.7	17.3	17.5	18.1	19.1	16.7	17.3	17.5	18.1	19.1
8H	4H	14.9	15.6	15.7	16.4	17.4	14.9	15.6	15.7	16.4	17.4
	6H	16.2	16.8	17.0	17.6	18.6	16.2	16.8	17.0	17.6	18.6
	8H	16.8	17.3	17.7	18.2	19.2	16.8	17.3	17.7	18.2	19.2
	12H	17.5	18.0	18.4	18.8	19.9	17.5	18.0	18.4	18.8	19.9
12H	4H	15.0	15.6	15.8	16.4	17.4	15.0	15.6	15.8	16.4	17.4
	6H	16.3	16.8	17.2	17.7	18.7	16.3	16.8	17.2	17.7	18.7
	8H	17.0	17.5	17.9	18.3	19.4	17.0	17.5	17.9	18.3	19.4

(END OF REPORT)