

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: P1245182

Luminaire Tested: PRLX-NIM-M-935-06L-U-WO

Issue Date: 1/30/2026

**Test Information**

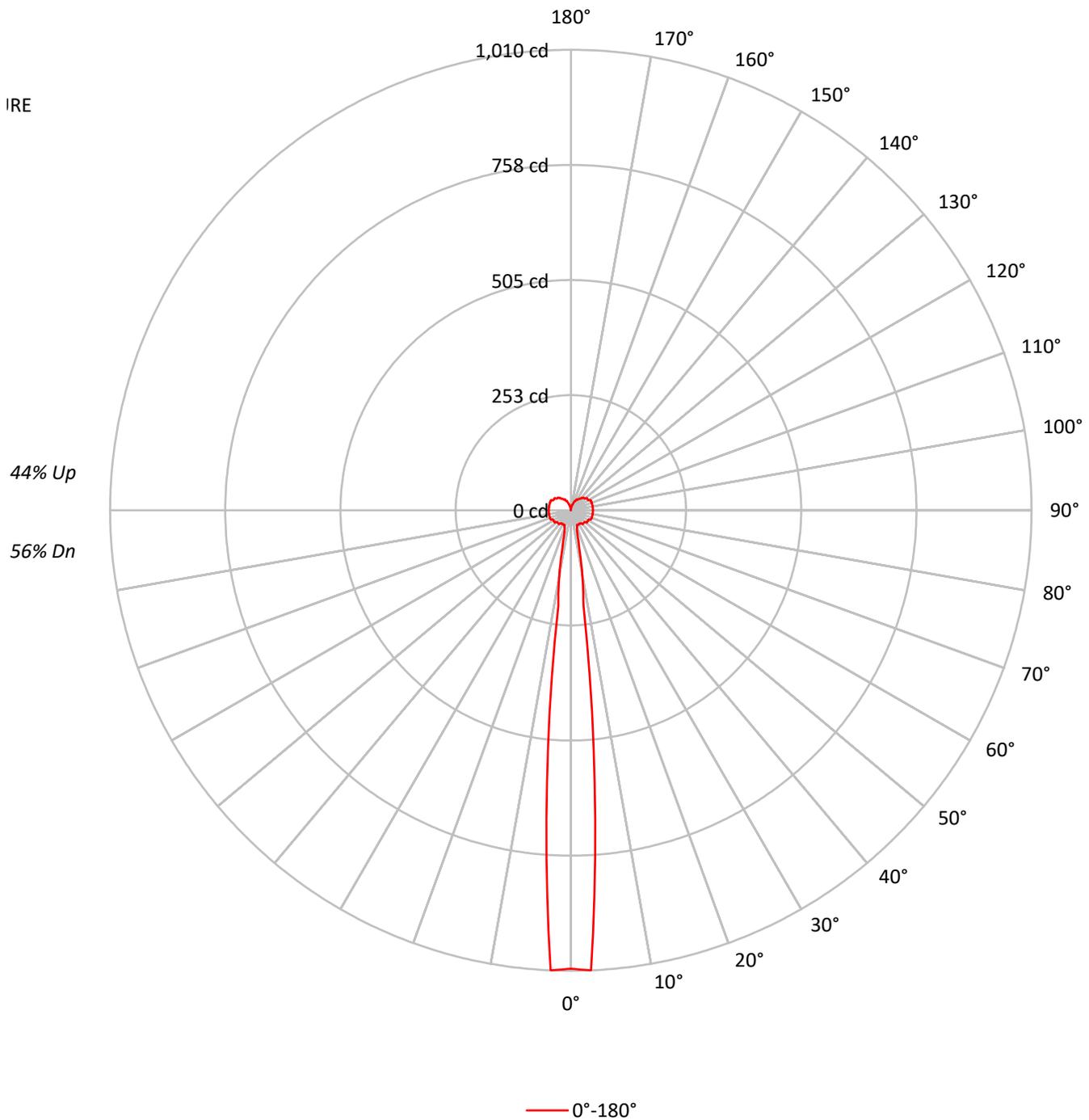
Test Method: LM-79-2019  
Report Number: P1245182  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-935-06L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 572.1 lumens  
Efficiency: N/A  
Efficacy: 26.9 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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): 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: P1245182  
CATALOG NUMBER: PRLX-NIM-M-935-06L-U-WO

### Luminous Intensity Polar Plot





TEST NUMBER: P1245182

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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	89	83	78	88	82	77	73	70	66	63		58	55	53		48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50		50	46	42		40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41		43	39	35		35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	49	41	35	42	35	30		35	30	26		29	25	22	18
6	60	47	39	32	56	44	36	30	38	32	27		32	27	23		27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24		30	25	21		25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22		28	23	19		23	19	17	14
9	49	37	29	24	46	34	27	22	30	24	20		26	21	18		22	18	15	13
10	47	34	27	22	43	32	25	21	28	22	19		24	20	17		21	17	15	13

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

	0°
0°	51519
5°	22586
10°	4358
15°	1434
20°	858
25°	677
30°	612
35°	562
40°	589
45°	555
50°	529
55°	565
60°	548
65°	590
70°	582
75°	578
80°	579
85°	584

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 594 cd/sqm

TEST NUMBER: P1245182

CATALOG NUMBER: PRLX-NIM-M-935-06L-U-WO

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.0	7.0
10°-20°	18.3	3.2
20°-30°	16.6	2.9
30°-40°	22.6	3.9
40°-50°	30.7	5.4
50°-60°	39.1	6.8
60°-70°	46.5	8.1
70°-80°	51.3	9.0
80°-90°	52.9	9.3
90°-100°	52.9	9.3
100°-110°	51.3	9.0
110°-120°	47.6	8.3
120°-130°	39.1	6.8
130°-140°	29.5	5.2
140°-150°	18.8	3.3
150°-160°	10.8	1.9
160°-170°	3.6	0.6
170°-180°	0.3	0.1
0°-30°	74.9	13.1
0°-40°	97.4	17.0
0°-60°	167.3	29.2
0°-90°	318.0	55.6
90°-120°	151.8	26.5
90°-150°	239.3	41.8
90°-180°	254.0	44.4
0°-180°	572.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1005	
5°	600	40
15°	57	18
25°	35	17
35°	35	23
45°	40	31
55°	44	39
65°	48	47
75°	48	51
85°	48	40
90°	48	27
95°	48	40
105°	48	51
115°	48	48
125°	44	39
135°	40	30
145°	31	19
155°	22	11
165°	13	4
175°	0	0
180°	0	

TEST NUMBER: P1245182

CATALOG NUMBER: PRLX-NIM-M-935-06L-U-WO

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1005.3
2.5°	1009.8
5°	599.7
7.5°	211.7
10°	145.5
12.5°	83.8
15°	57.3
17.5°	44.1
20°	39.7
22.5°	35.3
25°	35.3
27.5°	35.3
30°	35.3
32.5°	35.3
35°	35.3
37.5°	35.3
40°	39.7
42.5°	39.7
45°	39.7
47.5°	39.7
50°	39.7
52.5°	44.1
55°	44.1
57.5°	44.1
60°	44.1
62.5°	44.1
65°	48.5
67.5°	48.5
70°	48.5
72.5°	48.5
75°	48.5
77.5°	48.5
80°	48.5
82.5°	48.5
85°	48.5
87.5°	48.5
90°	48.5
92.5°	48.5
95°	48.5
97.5°	48.5
100°	48.5
102.5°	48.5
105°	48.5
107.5°	48.5
110°	48.5



TEST NUMBER: P1245182

CATALOG NUMBER: PRLX-NIM-M-935-06L-U-WO

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	48.5
115°	48.5
117.5°	48.5
120°	44.1
122.5°	44.1
125°	44.1
127.5°	44.1
130°	39.7
132.5°	39.7
135°	39.7
137.5°	35.3
140°	35.3
142.5°	30.9
145°	30.9
147.5°	26.5
150°	26.5
152.5°	26.5
155°	22.0
157.5°	22.0
160°	17.6
162.5°	13.2
165°	13.2
167.5°	8.8
170°	8.8
172.5°	4.4
175°	0.0
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	6.4	6.3	7.3	8.5	5.4	6.4	6.3	7.3	8.5
	3H	8.5	9.5	9.4	10.4	11.6	8.5	9.5	9.4	10.4	11.6
	4H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	6H	11.4	12.2	12.3	13.2	14.4	11.4	12.2	12.3	13.2	14.4
	8H	12.0	12.8	13.0	13.8	15.0	12.0	12.8	13.0	13.8	15.0
	12H	12.7	13.5	13.6	14.4	15.7	12.7	13.5	13.6	14.4	15.7
4H	2H	6.3	7.2	7.2	8.1	9.3	6.3	7.2	7.2	8.1	9.3
	3H	9.5	10.3	10.4	11.3	12.5	9.5	10.3	10.4	11.3	12.5
	4H	11.1	11.8	12.0	12.8	14.0	11.1	11.8	12.0	12.8	14.0
	6H	12.6	13.3	13.6	14.3	15.5	12.6	13.3	13.6	14.3	15.5
	8H	13.4	14.0	14.3	15.0	16.2	13.4	14.0	14.3	15.0	16.2
	12H	14.1	14.7	15.1	15.7	17.0	14.1	14.7	15.1	15.7	17.0
8H	4H	11.6	12.2	12.5	13.2	14.4	11.6	12.2	12.5	13.2	14.4
	6H	13.3	13.9	14.3	14.9	16.1	13.3	13.9	14.3	14.9	16.1
	8H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	12H	15.2	15.6	16.1	16.6	17.9	15.2	15.6	16.1	16.6	17.9
12H	4H	11.7	12.3	12.7	13.2	14.5	11.7	12.3	12.7	13.2	14.5
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.5	14.9	15.5	15.9	17.2	14.5	14.9	15.5	15.9	17.2

(END OF REPORT)