

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: P1245258

Luminaire Tested: PRLX-NIM-S-935-07L-U-WO

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245258  
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-935-07L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

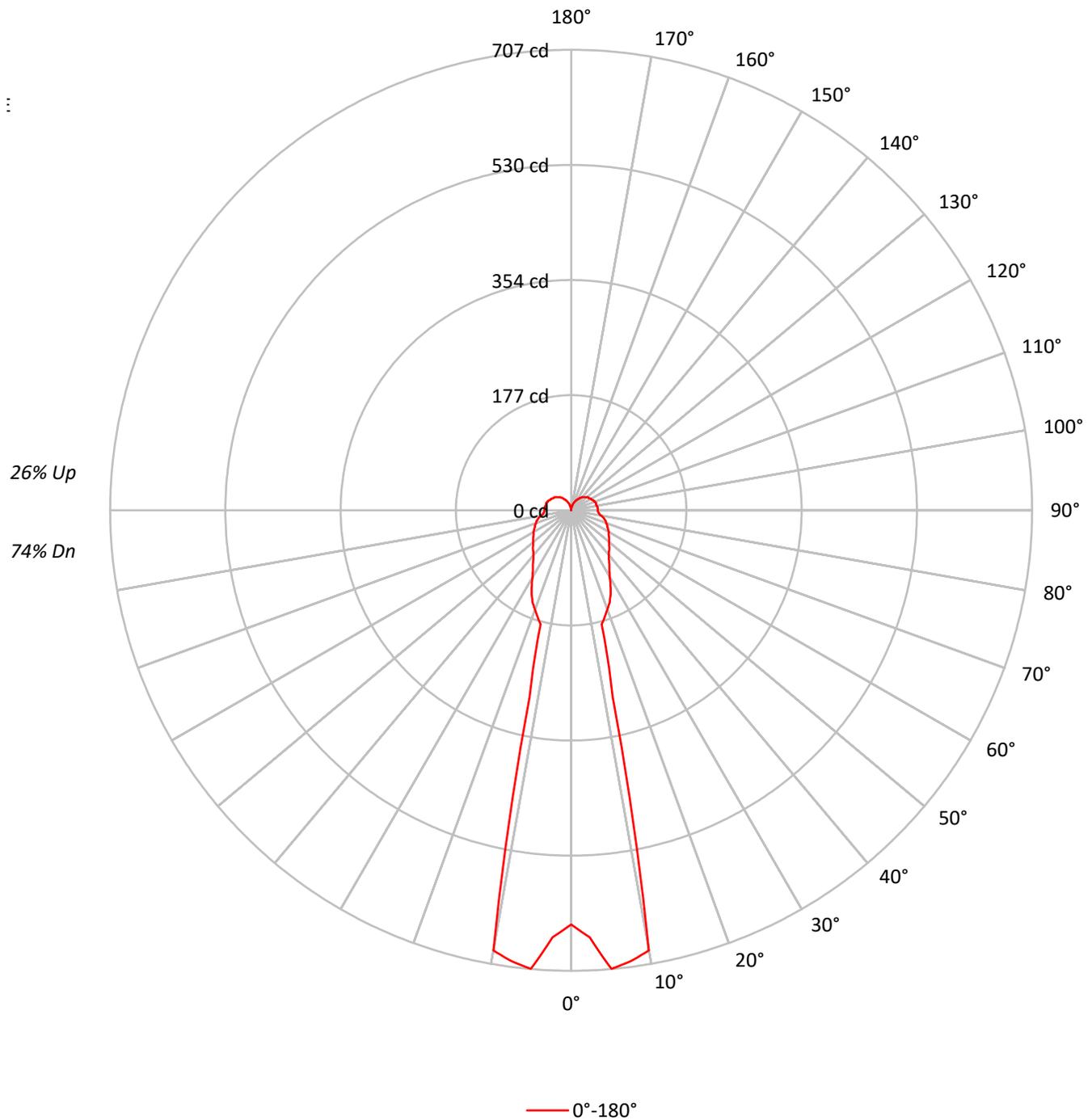
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 755.0 lumens  
Efficiency: N/A  
Efficacy: 46.6 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): 16.2  
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

TEST NUMBER: P1245258

CATALOG NUMBER: PRLX-NIM-S-935-07L-U-WO

### Luminous Intensity Polar Plot



TEST NUMBER: P1245258

CATALOG NUMBER: PRLX-NIM-S-935-07L-U-WO

**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°	20114
5°	19850
10°	17454
15°	4238
20°	3535
25°	2944
30°	2324
35°	1929
40°	1649
45°	1491
50°	1350
55°	1248
60°	1178
65°	1093
70°	1038
75°	989
80°	892
85°	849

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1491 cd/sqm

TEST NUMBER: P1245258

CATALOG NUMBER: PRLX-NIM-S-935-07L-U-WO

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.9	8.7
10°-20°	69.9	9.3
20°-30°	65.1	8.6
30°-40°	64.1	8.5
40°-50°	63.9	8.5
50°-60°	63.6	8.4
60°-70°	61.3	8.1
70°-80°	55.8	7.4
80°-90°	46.4	6.1
90°-100°	44.3	5.9
100°-110°	41.6	5.5
110°-120°	36.5	4.8
120°-130°	29.8	3.9
130°-140°	22.2	2.9
140°-150°	14.3	1.9
150°-160°	7.4	1.0
160°-170°	2.6	0.3
170°-180°	0.2	0.0
0°-30°	200.9	26.6
0°-40°	265.0	35.1
0°-60°	392.5	52.0
0°-90°	556.0	73.6
90°-120°	122.5	16.2
90°-150°	188.8	25.0
90°-180°	199.0	26.4
0°-180°	755.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	636	
5°	707	66
15°	181	70
25°	143	65
35°	102	64
45°	83	64
55°	71	64
65°	61	61
75°	53	56
85°	42	35
90°	41	22
95°	41	33
105°	40	42
115°	37	37
125°	33	30
135°	29	22
145°	23	14
155°	16	7
165°	8	3
175°	1	0
180°	0	

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CATALOG NUMBER: PRLX-NIM-S-935-07L-U-WO

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	635.8
2.5°	656.2
5°	706.6
7.5°	698.4
10°	686.2
12.5°	294.1
15°	181.1
17.5°	171.5
20°	162.0
22.5°	153.8
25°	143.0
27.5°	130.7
30°	118.4
32.5°	108.9
35°	102.1
37.5°	95.3
40°	89.9
42.5°	85.8
45°	83.0
47.5°	79.0
50°	76.2
52.5°	73.5
55°	70.8
57.5°	68.1
60°	66.7
62.5°	64.0
65°	61.3
67.5°	59.9
70°	57.2
72.5°	55.8
75°	53.1
77.5°	50.4
80°	46.3
82.5°	43.6
85°	42.2
87.5°	40.8
90°	40.8
92.5°	40.8
95°	40.8
97.5°	40.8
100°	39.5
102.5°	39.5
105°	39.5
107.5°	39.5
110°	38.1

TEST NUMBER: P1245258

CATALOG NUMBER: PRLX-NIM-S-935-07L-U-WO

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	38.1
115°	36.8
117.5°	35.4
120°	35.4
122.5°	34.0
125°	32.7
127.5°	32.7
130°	31.3
132.5°	30.0
135°	28.6
137.5°	27.2
140°	25.9
142.5°	24.5
145°	23.1
147.5°	20.4
150°	19.1
152.5°	17.7
155°	16.3
157.5°	13.6
160°	12.3
162.5°	10.9
165°	8.2
167.5°	6.8
170°	5.4
172.5°	2.7
175°	1.4
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	9.3	10.5	10.0	11.2	12.1	9.3	10.5	10.0	11.2	12.1
	3H	11.6	12.7	12.4	13.4	14.3	11.6	12.7	12.4	13.4	14.3
	4H	12.7	13.7	13.4	14.4	15.4	12.7	13.7	13.4	14.4	15.4
	6H	13.7	14.6	14.4	15.4	16.3	13.7	14.6	14.4	15.4	16.3
	8H	14.1	15.0	14.9	15.8	16.7	14.1	15.0	14.9	15.8	16.7
	12H	14.5	15.4	15.3	16.1	17.1	14.5	15.4	15.3	16.1	17.1
4H	2H	9.9	10.9	10.7	11.7	12.6	9.9	10.9	10.7	11.7	12.6
	3H	12.4	13.3	13.2	14.1	15.0	12.4	13.3	13.2	14.1	15.0
	4H	13.7	14.4	14.4	15.2	16.2	13.7	14.4	14.4	15.2	16.2
	6H	14.8	15.5	15.6	16.3	17.3	14.8	15.5	15.6	16.3	17.3
	8H	15.3	16.0	16.1	16.8	17.8	15.3	16.0	16.1	16.8	17.8
	12H	15.8	16.4	16.6	17.2	18.2	15.8	16.4	16.6	17.2	18.2
8H	4H	14.0	14.7	14.8	15.5	16.5	14.0	14.7	14.8	15.5	16.5
	6H	15.4	15.9	16.2	16.8	17.8	15.4	15.9	16.2	16.8	17.8
	8H	16.0	16.5	16.8	17.3	18.3	16.0	16.5	16.8	17.3	18.3
	12H	16.7	17.1	17.5	18.0	19.0	16.7	17.1	17.5	18.0	19.0
12H	4H	14.1	14.7	14.9	15.5	16.5	14.1	14.7	14.9	15.5	16.5
	6H	15.5	16.0	16.3	16.8	17.9	15.5	16.0	16.3	16.8	17.9
	8H	16.2	16.6	17.0	17.5	18.5	16.2	16.6	17.0	17.5	18.5

(END OF REPORT)