

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: P1245243

Luminaire Tested: PRLX-NIM-S-930-12L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245243  
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-930-12L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

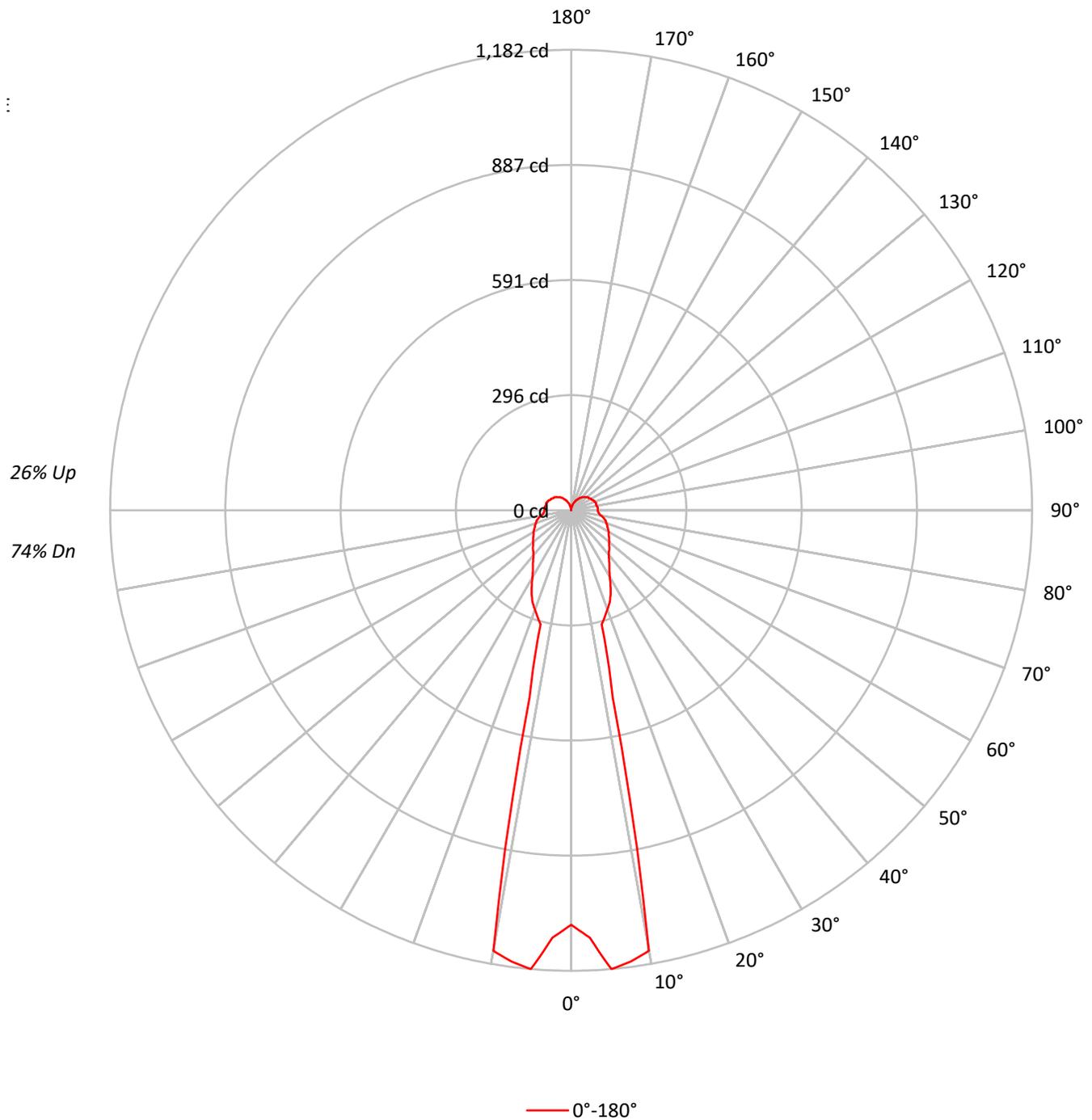
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1262.9 lumens  
Efficiency: N/A  
Efficacy: 43.7 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): 28.9  
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: P1245243

CATALOG NUMBER: PRLX-NIM-S-930-12L-U-LF

### Luminous Intensity Polar Plot





TEST NUMBER: P1245243

CATALOG NUMBER: PRLX-NIM-S-930-12L-U-LF

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52
3	85	74	66	60	80	71	64	58	64	58	53	58	53	49	52	48	45
4	78	67	58	52	74	64	56	50	58	52	47	52	47	43	47	43	40
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30
8	59	47	39	34	56	45	38	33	42	36	31	39	33	30	36	31	28
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26
10	53	41	34	29	51	40	33	28	37	31	27	34	29	26	32	28	24

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

	0°
0°	33648
5°	33205
10°	29198
15°	7088
20°	5914
25°	4923
30°	3889
35°	3227
40°	2757
45°	2495
50°	2260
55°	2087
60°	1971
65°	1828
70°	1737
75°	1653
80°	1491
85°	1420

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2495 cd/sqm

TEST NUMBER: P1245243

CATALOG NUMBER: PRLX-NIM-S-930-12L-U-LF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.3	8.7
10°-20°	117.0	9.3
20°-30°	108.9	8.6
30°-40°	107.3	8.5
40°-50°	106.9	8.5
50°-60°	106.4	8.4
60°-70°	102.5	8.1
70°-80°	93.3	7.4
80°-90°	77.6	6.1
90°-100°	74.2	5.9
100°-110°	69.5	5.5
110°-120°	61.1	4.8
120°-130°	49.9	3.9
130°-140°	37.1	2.9
140°-150°	23.9	1.9
150°-160°	12.4	1.0
160°-170°	4.3	0.3
170°-180°	0.4	0.0
0°-30°	336.1	26.6
0°-40°	443.4	35.1
0°-60°	656.6	52.0
0°-90°	930.0	73.6
90°-120°	204.8	16.2
90°-150°	315.8	25.0
90°-180°	333.0	26.4
0°-180°	1262.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1064	
5°	1182	110
15°	303	117
25°	239	109
35°	171	107
45°	139	107
55°	118	106
65°	102	102
75°	89	93
85°	71	59
90°	68	37
95°	68	55
105°	66	70
115°	62	61
125°	55	50
135°	48	37
145°	39	24
155°	27	12
165°	14	4
175°	2	0
180°	0	

TEST NUMBER: P1245243

CATALOG NUMBER: PRLX-NIM-S-930-12L-U-LF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1063.6
2.5°	1097.7
5°	1182.0
7.5°	1168.4
10°	1147.9
12.5°	491.9
15°	302.9
17.5°	287.0
20°	271.0
22.5°	257.4
25°	239.1
27.5°	218.6
30°	198.1
32.5°	182.2
35°	170.8
37.5°	159.4
40°	150.3
42.5°	143.5
45°	138.9
47.5°	132.1
50°	127.5
52.5°	123.0
55°	118.4
57.5°	113.9
60°	111.6
62.5°	107.0
65°	102.5
67.5°	100.2
70°	95.7
72.5°	93.4
75°	88.8
77.5°	84.3
80°	77.4
82.5°	72.9
85°	70.6
87.5°	68.3
90°	68.3
92.5°	68.3
95°	68.3
97.5°	68.3
100°	66.0
102.5°	66.0
105°	66.0
107.5°	66.0
110°	63.8

TEST NUMBER: P1245243

CATALOG NUMBER: PRLX-NIM-S-930-12L-U-LF

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	63.8
115°	61.5
117.5°	59.2
120°	59.2
122.5°	56.9
125°	54.7
127.5°	54.7
130°	52.4
132.5°	50.1
135°	47.8
137.5°	45.5
140°	43.3
142.5°	41.0
145°	38.7
147.5°	34.2
150°	31.9
152.5°	29.6
155°	27.3
157.5°	22.8
160°	20.5
162.5°	18.2
165°	13.7
167.5°	11.4
170°	9.1
172.5°	4.6
175°	2.3
177.5°	0.0
180°	0.0



TEST NUMBER: P1245243

CATALOG NUMBER: PRLX-NIM-S-930-12L-U-LF

**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	11.1	12.2	11.8	13.0	13.9	11.1	12.2	11.8	13.0	13.9
	3H	13.4	14.5	14.1	15.2	16.1	13.4	14.5	14.1	15.2	16.1
	4H	14.5	15.5	15.2	16.2	17.2	14.5	15.5	15.2	16.2	17.2
	6H	15.5	16.4	16.2	17.1	18.1	15.5	16.4	16.2	17.1	18.1
	8H	15.9	16.8	16.6	17.6	18.5	15.9	16.8	16.6	17.6	18.5
	12H	16.3	17.1	17.1	17.9	18.9	16.3	17.1	17.1	17.9	18.9
4H	2H	11.7	12.7	12.4	13.5	14.4	11.7	12.7	12.4	13.5	14.4
	3H	14.2	15.1	15.0	15.9	16.8	14.2	15.1	15.0	15.9	16.8
	4H	15.4	16.2	16.2	17.0	18.0	15.4	16.2	16.2	17.0	18.0
	6H	16.6	17.3	17.4	18.1	19.1	16.6	17.3	17.4	18.1	19.1
	8H	17.1	17.7	17.9	18.6	19.5	17.1	17.7	17.9	18.6	19.5
	12H	17.6	18.2	18.4	19.0	20.0	17.6	18.2	18.4	19.0	20.0
8H	4H	15.8	16.5	16.6	17.3	18.3	15.8	16.5	16.6	17.3	18.3
	6H	17.1	17.7	18.0	18.6	19.5	17.1	17.7	18.0	18.6	19.5
	8H	17.8	18.3	18.6	19.1	20.1	17.8	18.3	18.6	19.1	20.1
	12H	18.4	18.9	19.3	19.7	20.8	18.4	18.9	19.3	19.7	20.8
12H	4H	15.9	16.5	16.7	17.3	18.3	15.9	16.5	16.7	17.3	18.3
	6H	17.3	17.8	18.1	18.6	19.6	17.3	17.8	18.1	18.6	19.6
	8H	18.0	18.4	18.8	19.3	20.3	18.0	18.4	18.8	19.3	20.3

(END OF REPORT)