

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: P1245245

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245245  
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-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

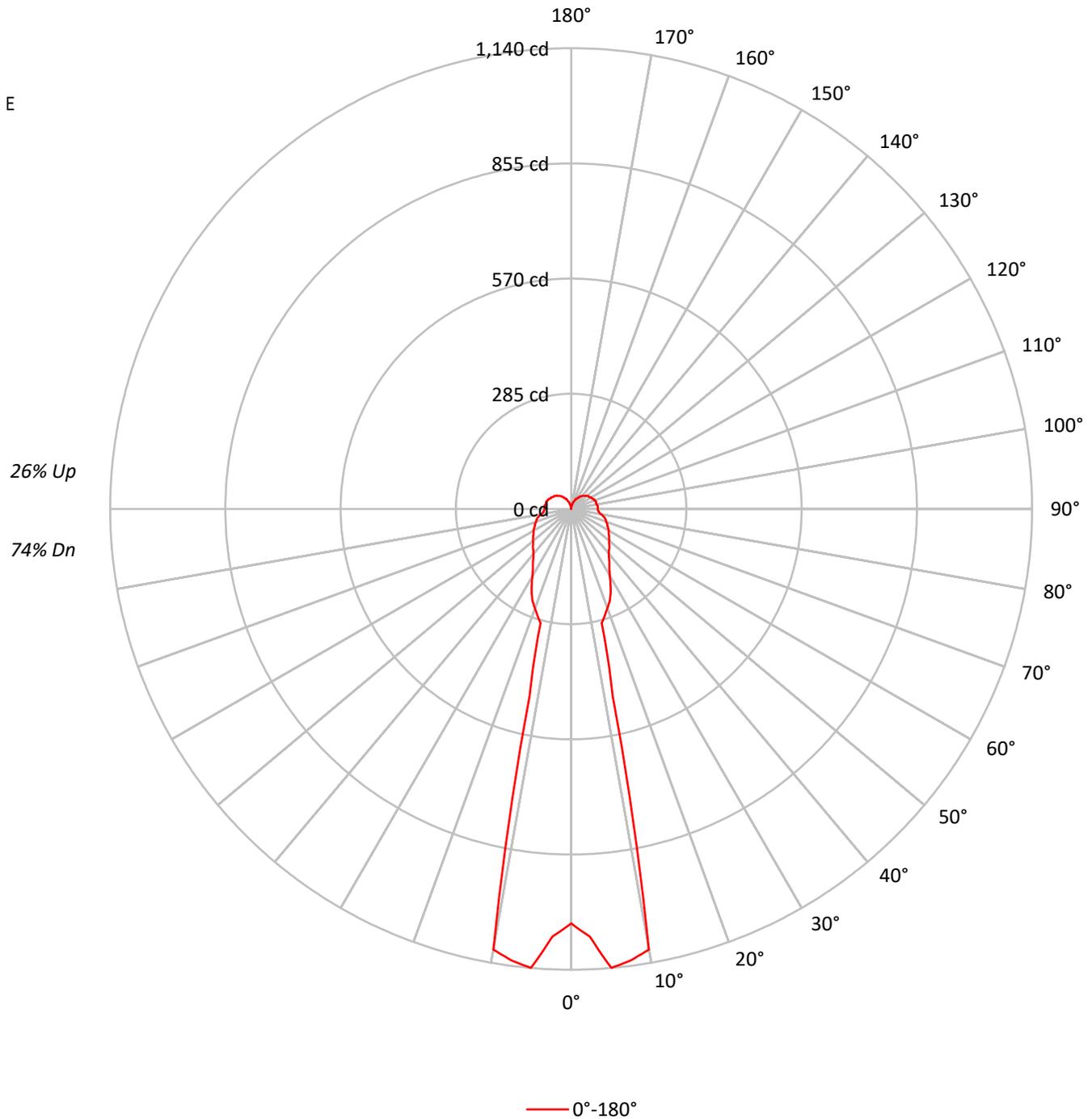
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1218.0 lumens  
Efficiency: N/A  
Efficacy: 42.1 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

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### 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°	32449
5°	32022
10°	28158
15°	6836
20°	5704
25°	4748
30°	3751
35°	3112
40°	2660
45°	2407
50°	2180
55°	2013
60°	1900
65°	1762
70°	1673
75°	1596
80°	1439
85°	1370

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2407 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.3	8.7
10°-20°	112.8	9.3
20°-30°	105.0	8.6
30°-40°	103.4	8.5
40°-50°	103.1	8.5
50°-60°	102.6	8.4
60°-70°	98.8	8.1
70°-80°	90.0	7.4
80°-90°	74.9	6.1
90°-100°	71.6	5.9
100°-110°	67.1	5.5
110°-120°	58.9	4.8
120°-130°	48.1	3.9
130°-140°	35.8	2.9
140°-150°	23.1	1.9
150°-160°	12.0	1.0
160°-170°	4.1	0.3
170°-180°	0.4	0.0
0°-30°	324.1	26.6
0°-40°	427.6	35.1
0°-60°	633.2	52.0
0°-90°	896.9	73.6
90°-120°	197.6	16.2
90°-150°	304.5	25.0
90°-180°	321.0	26.4
0°-180°	1218.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1026	
5°	1140	106
15°	292	113
25°	231	105
35°	165	103
45°	134	103
55°	114	103
65°	99	99
75°	86	90
85°	68	57
90°	66	36
95°	66	54
105°	64	67
115°	59	59
125°	53	48
135°	46	36
145°	37	23
155°	26	12
165°	13	4
175°	2	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1025.7
2.5°	1058.6
5°	1139.9
7.5°	1126.7
10°	1107.0
12.5°	474.4
15°	292.1
17.5°	276.7
20°	261.4
22.5°	248.2
25°	230.6
27.5°	210.8
30°	191.1
32.5°	175.7
35°	164.7
37.5°	153.7
40°	145.0
42.5°	138.4
45°	134.0
47.5°	127.4
50°	123.0
52.5°	118.6
55°	114.2
57.5°	109.8
60°	107.6
62.5°	103.2
65°	98.8
67.5°	96.6
70°	92.2
72.5°	90.0
75°	85.7
77.5°	81.3
80°	74.7
82.5°	70.3
85°	68.1
87.5°	65.9
90°	65.9
92.5°	65.9
95°	65.9
97.5°	65.9
100°	63.7
102.5°	63.7
105°	63.7
107.5°	63.7
110°	61.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	61.5
115°	59.3
117.5°	57.1
120°	57.1
122.5°	54.9
125°	52.7
127.5°	52.7
130°	50.5
132.5°	48.3
135°	46.1
137.5°	43.9
140°	41.7
142.5°	39.5
145°	37.3
147.5°	32.9
150°	30.7
152.5°	28.6
155°	26.4
157.5°	22.0
160°	19.8
162.5°	17.6
165°	13.2
167.5°	11.0
170°	8.8
172.5°	4.4
175°	2.2
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	11.0	12.1	11.7	12.9	13.8	11.0	12.1	11.7	12.9	13.8
	3H	13.3	14.3	14.0	15.1	16.0	13.3	14.3	14.0	15.1	16.0
	4H	14.4	15.3	15.1	16.1	17.0	14.4	15.3	15.1	16.1	17.0
	6H	15.3	16.3	16.1	17.0	18.0	15.3	16.3	16.1	17.0	18.0
	8H	15.8	16.6	16.5	17.4	18.4	15.8	16.6	16.5	17.4	18.4
	12H	16.2	17.0	16.9	17.8	18.8	16.2	17.0	16.9	17.8	18.8
4H	2H	11.6	12.6	12.3	13.3	14.3	11.6	12.6	12.3	13.3	14.3
	3H	14.1	14.9	14.9	15.7	16.7	14.1	14.9	14.9	15.7	16.7
	4H	15.3	16.1	16.1	16.9	17.9	15.3	16.1	16.1	16.9	17.9
	6H	16.5	17.1	17.2	18.0	18.9	16.5	17.1	17.2	18.0	18.9
	8H	17.0	17.6	17.8	18.4	19.4	17.0	17.6	17.8	18.4	19.4
	12H	17.5	18.1	18.3	18.9	19.9	17.5	18.1	18.3	18.9	19.9
8H	4H	15.7	16.4	16.5	17.2	18.2	15.7	16.4	16.5	17.2	18.2
	6H	17.0	17.6	17.8	18.4	19.4	17.0	17.6	17.8	18.4	19.4
	8H	17.6	18.1	18.5	19.0	20.0	17.6	18.1	18.5	19.0	20.0
	12H	18.3	18.8	19.2	19.6	20.7	18.3	18.8	19.2	19.6	20.7
12H	4H	15.8	16.4	16.6	17.2	18.2	15.8	16.4	16.6	17.2	18.2
	6H	17.1	17.6	18.0	18.5	19.5	17.1	17.6	18.0	18.5	19.5
	8H	17.8	18.3	18.7	19.1	20.2	17.8	18.3	18.7	19.1	20.2

(END OF REPORT)