

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: P1245307

Luminaire Tested: PRLX-UNA-L-927-23L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245307  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-927-23L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 7  
Light Source: -  
Ballast/Driver: -

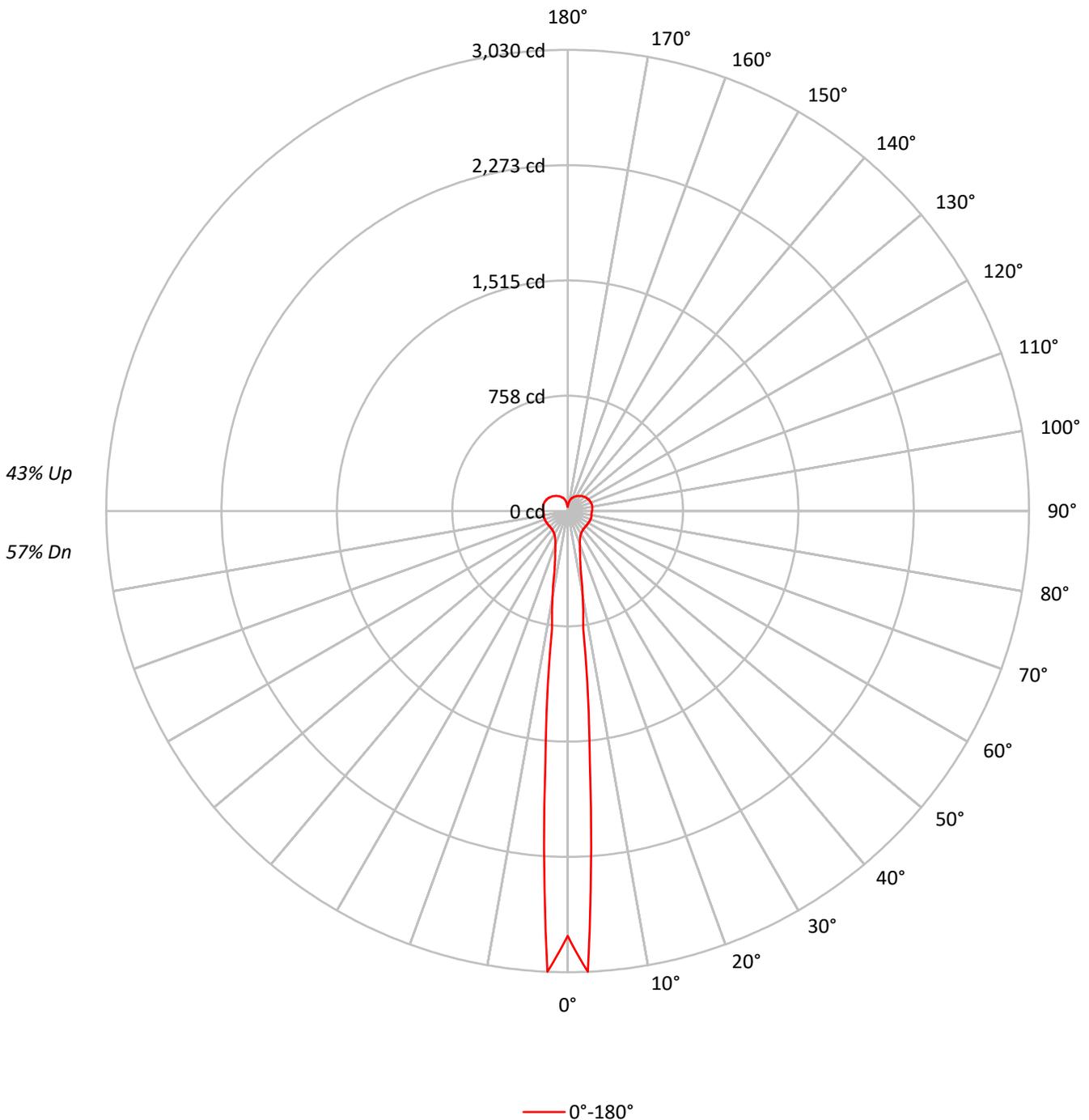
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2076.0 lumens  
Efficiency: N/A  
Efficacy: 35.7 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 58.2  
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

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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51	51	47	44	42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13

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

	0°
0°	88332
5°	41400
10°	11638
15°	5467
20°	3603
25°	2676
30°	2202
35°	1924
40°	1736
45°	1628
50°	1553
55°	1511
60°	1485
65°	1477
70°	1474
75°	1481
80°	1465
85°	1486

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.4	6.0
10°-20°	93.3	4.5
20°-30°	90.9	4.4
30°-40°	103.5	5.0
40°-50°	120.9	5.8
50°-60°	140.2	6.8
60°-70°	157.6	7.6
70°-80°	169.3	8.2
80°-90°	172.8	8.3
90°-100°	177.2	8.5
100°-110°	173.4	8.4
110°-120°	158.5	7.6
120°-130°	135.1	6.5
130°-140°	106.6	5.1
140°-150°	76.2	3.7
150°-160°	47.9	2.3
160°-170°	23.3	1.1
170°-180°	4.8	0.2
0°-30°	308.7	14.9
0°-40°	412.2	19.9
0°-60°	673.3	32.4
0°-90°	1172.9	56.5
90°-120°	509.2	24.5
90°-150°	827.0	39.8
90°-180°	903.0	43.5
0°-180°	2076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2792	
5°	1678	124
15°	314	93
25°	194	91
35°	164	104
45°	156	121
55°	156	140
65°	159	158
75°	161	169
85°	158	129
90°	160	88
95°	162	133
105°	164	173
115°	160	159
125°	150	135
135°	138	107
145°	121	76
155°	103	48
165°	82	23
175°	43	5
180°	28	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2792.1
2.5°	3029.9
5°	1678.4
7.5°	778.4
10°	572.2
12.5°	393.8
15°	313.9
17.5°	267.5
20°	235.0
22.5°	210.8
25°	194.1
27.5°	183.0
30°	174.6
32.5°	169.0
35°	164.4
37.5°	160.7
40°	157.9
42.5°	157.0
45°	156.0
47.5°	155.1
50°	155.1
52.5°	156.0
55°	156.0
57.5°	157.0
60°	157.0
62.5°	157.9
65°	158.8
67.5°	159.8
70°	159.8
72.5°	160.7
75°	160.7
77.5°	159.8
80°	157.9
82.5°	157.9
85°	157.9
87.5°	158.8
90°	159.8
92.5°	161.6
95°	162.5
97.5°	163.5
100°	164.4
102.5°	164.4
105°	164.4
107.5°	163.5
110°	162.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	161.6
115°	159.8
117.5°	157.9
120°	156.0
122.5°	153.3
125°	150.5
127.5°	147.7
130°	144.9
132.5°	141.2
135°	137.5
137.5°	133.8
140°	129.1
142.5°	125.4
145°	120.7
147.5°	117.0
150°	112.4
152.5°	107.7
155°	103.1
157.5°	98.5
160°	92.9
162.5°	88.2
165°	81.7
167.5°	74.3
170°	65.0
172.5°	54.8
175°	42.7
177.5°	31.6
180°	27.9



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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	8.9	9.9	9.7	10.8	12.0	8.9	9.9	9.7	10.8	12.0
	3H	11.7	12.6	12.6	13.5	14.7	11.7	12.6	12.6	13.5	14.7
	4H	13.1	14.0	14.0	14.9	16.1	13.1	14.0	14.0	14.9	16.1
	6H	14.4	15.2	15.3	16.2	17.4	14.4	15.2	15.3	16.2	17.4
	8H	15.1	15.8	16.0	16.8	18.0	15.1	15.8	16.0	16.8	18.0
	12H	15.7	16.4	16.6	17.4	18.6	15.7	16.4	16.6	17.4	18.6
4H	2H	9.6	10.5	10.5	11.4	12.6	9.6	10.5	10.5	11.4	12.6
	3H	12.6	13.4	13.5	14.3	15.6	12.6	13.4	13.5	14.3	15.6
	4H	14.1	14.9	15.1	15.8	17.1	14.1	14.9	15.1	15.8	17.1
	6H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	8H	16.4	17.0	17.3	18.0	19.2	16.4	17.0	17.3	18.0	19.2
	12H	17.1	17.7	18.1	18.7	19.9	17.1	17.7	18.1	18.7	19.9
8H	4H	14.6	15.2	15.6	16.2	17.5	14.6	15.2	15.6	16.2	17.5
	6H	16.3	16.9	17.3	17.9	19.1	16.3	16.9	17.3	17.9	19.1
	8H	17.2	17.7	18.2	18.7	19.9	17.2	17.7	18.2	18.7	19.9
	12H	18.1	18.5	19.1	19.5	20.8	18.1	18.5	19.1	19.5	20.8
12H	4H	14.7	15.3	15.7	16.3	17.5	14.7	15.3	15.7	16.3	17.5
	6H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3
	8H	17.5	17.9	18.5	18.9	20.2	17.5	17.9	18.5	18.9	20.2

(END OF REPORT)