

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: P1245376

Luminaire Tested: PRLX-UNA-L-940-20L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245376  
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-940-20L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

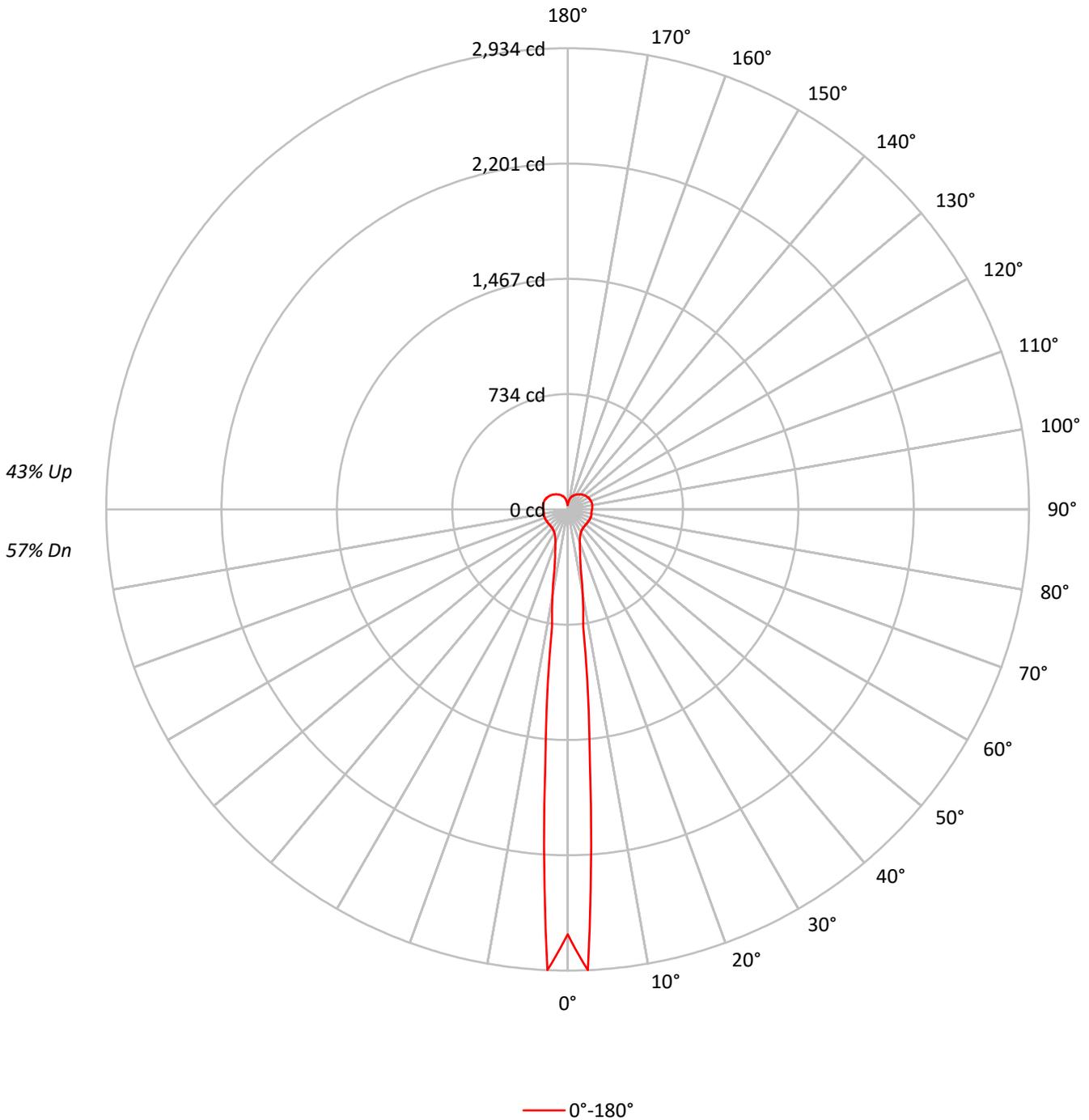
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2010.1 lumens  
Efficiency: N/A  
Efficacy: 41.4 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): 48.6  
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	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°	85523
5°	40085
10°	11268
15°	5295
20°	3488
25°	2592
30°	2132
35°	1863
40°	1681
45°	1577
50°	1504
55°	1464
60°	1437
65°	1431
70°	1427
75°	1434
80°	1419
85°	1439

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1577 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.5	6.0
10°-20°	90.4	4.5
20°-30°	88.1	4.4
30°-40°	100.2	5.0
40°-50°	117.1	5.8
50°-60°	135.8	6.8
60°-70°	152.6	7.6
70°-80°	163.9	8.2
80°-90°	167.3	8.3
90°-100°	171.6	8.5
100°-110°	168.0	8.4
110°-120°	153.5	7.6
120°-130°	130.8	6.5
130°-140°	103.1	5.1
140°-150°	73.8	3.7
150°-160°	46.4	2.3
160°-170°	22.6	1.1
170°-180°	4.6	0.2
0°-30°	298.9	14.9
0°-40°	399.1	19.9
0°-60°	652.0	32.4
0°-90°	1135.8	56.5
90°-120°	493.0	24.5
90°-150°	800.8	39.8
90°-180°	874.0	43.5
0°-180°	2010.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2703	
5°	1625	120
15°	304	90
25°	188	88
35°	159	100
45°	151	117
55°	151	136
65°	154	153
75°	156	164
85°	153	125
90°	155	85
95°	157	129
105°	159	168
115°	155	153
125°	146	131
135°	133	103
145°	117	74
155°	100	46
165°	79	23
175°	41	5
180°	27	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2703.3
2.5°	2933.6
5°	1625.1
7.5°	753.6
10°	554.0
12.5°	381.3
15°	304.0
17.5°	259.0
20°	227.5
22.5°	204.1
25°	188.0
27.5°	177.2
30°	169.1
32.5°	163.7
35°	159.2
37.5°	155.6
40°	152.9
42.5°	152.0
45°	151.1
47.5°	150.2
50°	150.2
52.5°	151.1
55°	151.1
57.5°	152.0
60°	152.0
62.5°	152.9
65°	153.8
67.5°	154.7
70°	154.7
72.5°	155.6
75°	155.6
77.5°	154.7
80°	152.9
82.5°	152.9
85°	152.9
87.5°	153.8
90°	154.7
92.5°	156.5
95°	157.4
97.5°	158.3
100°	159.2
102.5°	159.2
105°	159.2
107.5°	158.3
110°	157.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	156.5
115°	154.7
117.5°	152.9
120°	151.1
122.5°	148.4
125°	145.7
127.5°	143.0
130°	140.3
132.5°	136.7
135°	133.1
137.5°	129.5
140°	125.0
142.5°	121.4
145°	116.9
147.5°	113.3
150°	108.8
152.5°	104.3
155°	99.8
157.5°	95.3
160°	89.9
162.5°	85.4
165°	79.1
167.5°	71.9
170°	63.0
172.5°	53.1
175°	41.4
177.5°	30.6
180°	27.0



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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	8.7	9.8	9.6	10.7	11.8	8.7	9.8	9.6	10.7	11.8
	3H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	4H	13.0	13.8	13.9	14.8	16.0	13.0	13.8	13.9	14.8	16.0
	6H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	8H	14.9	15.7	15.9	16.7	17.9	14.9	15.7	15.9	16.7	17.9
	12H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
4H	2H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	3H	12.5	13.3	13.4	14.2	15.4	12.5	13.3	13.4	14.2	15.4
	4H	14.0	14.7	15.0	15.7	16.9	14.0	14.7	15.0	15.7	16.9
	6H	15.5	16.2	16.5	17.2	18.4	15.5	16.2	16.5	17.2	18.4
	8H	16.3	16.9	17.2	17.8	19.1	16.3	16.9	17.2	17.8	19.1
	12H	17.0	17.6	18.0	18.5	19.8	17.0	17.6	18.0	18.5	19.8
8H	4H	14.5	15.1	15.5	16.1	17.3	14.5	15.1	15.5	16.1	17.3
	6H	16.2	16.7	17.2	17.8	19.0	16.2	16.7	17.2	17.8	19.0
	8H	17.1	17.6	18.1	18.6	19.8	17.1	17.6	18.1	18.6	19.8
	12H	18.0	18.4	19.0	19.4	20.7	18.0	18.4	19.0	19.4	20.7
12H	4H	14.6	15.2	15.6	16.2	17.4	14.6	15.2	15.6	16.2	17.4
	6H	16.4	16.9	17.4	17.9	19.2	16.4	16.9	17.4	17.9	19.2
	8H	17.4	17.8	18.3	18.8	20.1	17.4	17.8	18.3	18.8	20.1

(END OF REPORT)