

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: P1244794

Luminaire Tested: PRLX-MIN-L-927-12L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244794  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-L-927-12L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

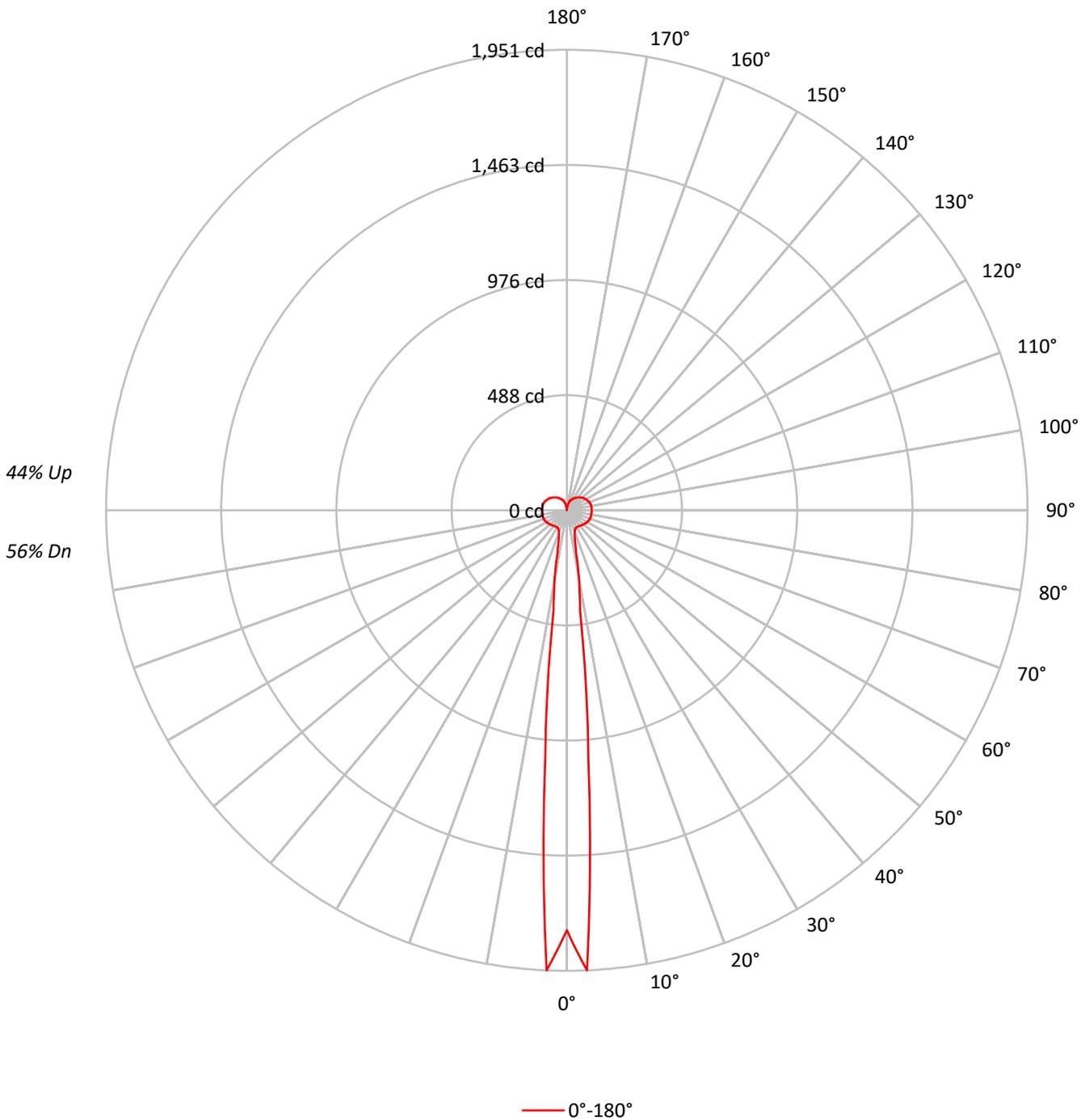
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1226.9 lumens  
Efficiency: N/A  
Efficacy: 40.2 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 30.5  
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	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

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

	0°
0°	56265
5°	25803
10°	6014
15°	2296
20°	1483
25°	1180
30°	1049
35°	980
40°	947
45°	932
50°	925
55°	931
60°	938
65°	952
70°	960
75°	970
80°	971
85°	991

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1014 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.0	6.1
10°-20°	41.3	3.4
20°-30°	40.2	3.3
30°-40°	52.8	4.3
40°-50°	69.2	5.6
50°-60°	86.2	7.0
60°-70°	101.4	8.3
70°-80°	110.8	9.0
80°-90°	114.6	9.3
90°-100°	114.8	9.4
100°-110°	109.2	8.9
110°-120°	96.6	7.9
120°-130°	79.5	6.5
130°-140°	60.0	4.9
140°-150°	40.6	3.3
150°-160°	23.7	1.9
160°-170°	9.8	0.8
170°-180°	0.9	0.1
0°-30°	156.6	12.8
0°-40°	209.4	17.1
0°-60°	364.9	29.7
0°-90°	691.7	56.4
90°-120°	320.6	26.1
90°-150°	500.7	40.8
90°-180°	535.0	43.6
0°-180°	1226.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1778	
5°	1046	75
15°	132	41
25°	86	40
35°	84	53
45°	89	69
55°	96	86
65°	102	101
75°	105	111
85°	105	86
90°	105	58
95°	105	86
105°	104	109
115°	97	97
125°	89	80
135°	78	60
145°	64	41
155°	51	24
165°	34	10
175°	5	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1778.5
2.5°	1951.0
5°	1046.1
7.5°	425.7
10°	295.7
12.5°	181.1
15°	131.8
17.5°	109.7
20°	96.7
22.5°	89.9
25°	85.6
27.5°	83.8
30°	83.2
32.5°	83.2
35°	83.8
37.5°	84.4
40°	86.2
42.5°	87.5
45°	89.3
47.5°	91.2
50°	92.4
52.5°	94.3
55°	96.1
57.5°	98.0
60°	99.2
62.5°	101.0
65°	102.3
67.5°	103.5
70°	104.1
72.5°	104.7
75°	105.3
77.5°	104.7
80°	104.7
82.5°	104.7
85°	105.3
87.5°	105.3
90°	105.3
92.5°	105.3
95°	105.3
97.5°	105.3
100°	104.7
102.5°	104.1
105°	103.5
107.5°	102.3
110°	101.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	99.2
115°	97.3
117.5°	95.5
120°	93.0
122.5°	91.2
125°	88.7
127.5°	86.2
130°	83.2
132.5°	80.7
135°	77.6
137.5°	73.9
140°	70.8
142.5°	67.8
145°	64.1
147.5°	61.0
150°	57.9
152.5°	54.2
155°	51.1
157.5°	47.4
160°	43.7
162.5°	39.4
165°	34.5
167.5°	27.7
170°	19.1
172.5°	11.7
175°	4.9
177.5°	1.2
180°	0.6



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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	7.4	8.4	8.3	9.3	10.5	7.4	8.4	8.3	9.3	10.5
	3H	10.4	11.3	11.3	12.3	13.4	10.4	11.3	11.3	12.3	13.4
	4H	11.8	12.7	12.7	13.7	14.9	11.8	12.7	12.7	13.7	14.9
	6H	13.2	14.1	14.1	15.0	16.2	13.2	14.1	14.1	15.0	16.2
	8H	13.9	14.7	14.8	15.6	16.9	13.9	14.7	14.8	15.6	16.9
	12H	14.5	15.3	15.5	16.3	17.5	14.5	15.3	15.5	16.3	17.5
4H	2H	8.2	9.1	9.1	10.0	11.2	8.2	9.1	9.1	10.0	11.2
	3H	11.3	12.1	12.2	13.1	14.3	11.3	12.1	12.2	13.1	14.3
	4H	12.9	13.7	13.8	14.6	15.8	12.9	13.7	13.8	14.6	15.8
	6H	14.5	15.1	15.4	16.1	17.3	14.5	15.1	15.4	16.1	17.3
	8H	15.2	15.9	16.2	16.8	18.1	15.2	15.9	16.2	16.8	18.1
	12H	16.0	16.6	16.9	17.5	18.8	16.0	16.6	16.9	17.5	18.8
8H	4H	13.4	14.0	14.4	15.0	16.3	13.4	14.0	14.4	15.0	16.3
	6H	15.2	15.7	16.1	16.7	18.0	15.2	15.7	16.1	16.7	18.0
	8H	16.1	16.6	17.1	17.6	18.8	16.1	16.6	17.1	17.6	18.8
	12H	17.0	17.5	18.0	18.4	19.8	17.0	17.5	18.0	18.4	19.8
12H	4H	13.5	14.1	14.5	15.1	16.3	13.5	14.1	14.5	15.1	16.3
	6H	15.4	15.8	16.3	16.8	18.1	15.4	15.8	16.3	16.8	18.1
	8H	16.3	16.8	17.3	17.8	19.1	16.3	16.8	17.3	17.8	19.1

(END OF REPORT)