

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: P1244790

Luminaire Tested: PRLX-MIN-L-927-09L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244790  
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-927-09L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

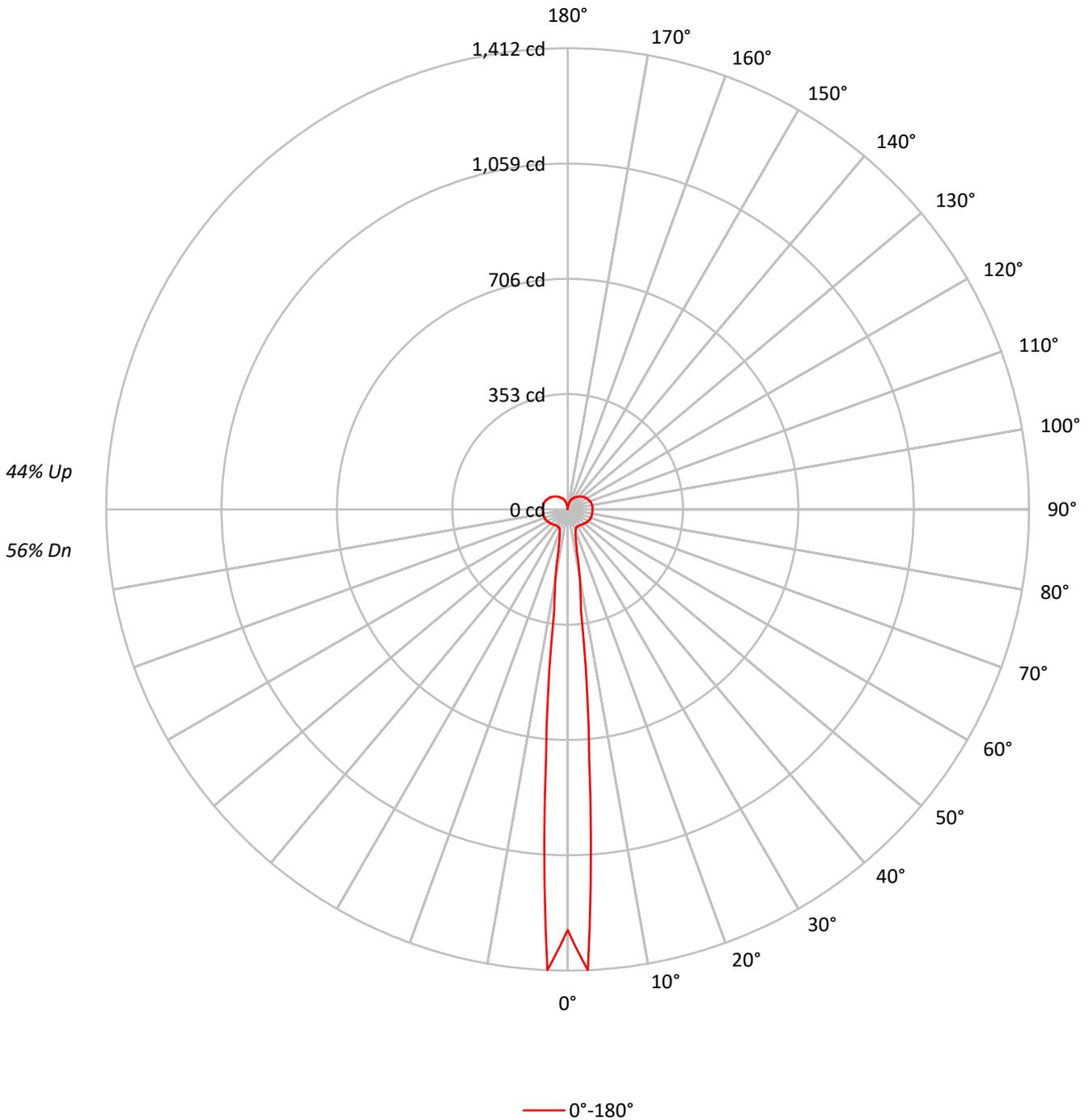
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 887.9 lumens  
Efficiency: N/A  
Efficacy: 39.3 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): 22.6  
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	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°	40722
5°	18675
10°	4353
15°	1662
20°	1073
25°	855
30°	759
35°	709
40°	686
45°	674
50°	670
55°	674
60°	679
65°	688
70°	695
75°	702
80°	703
85°	717

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 734 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	6.1
10°-20°	29.9	3.4
20°-30°	29.1	3.3
30°-40°	38.2	4.3
40°-50°	50.1	5.6
50°-60°	62.4	7.0
60°-70°	73.4	8.3
70°-80°	80.2	9.0
80°-90°	83.0	9.3
90°-100°	83.1	9.4
100°-110°	79.0	8.9
110°-120°	69.9	7.9
120°-130°	57.6	6.5
130°-140°	43.4	4.9
140°-150°	29.3	3.3
150°-160°	17.2	1.9
160°-170°	7.1	0.8
170°-180°	0.7	0.1
0°-30°	113.3	12.8
0°-40°	151.5	17.1
0°-60°	264.1	29.7
0°-90°	500.6	56.4
90°-120°	232.0	26.1
90°-150°	362.3	40.8
90°-180°	387.0	43.6
0°-180°	887.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1287	
5°	757	54
15°	95	30
25°	62	29
35°	61	38
45°	65	50
55°	70	62
65°	74	73
75°	76	80
85°	76	62
90°	76	42
95°	76	62
105°	75	79
115°	70	70
125°	64	58
135°	56	43
145°	46	29
155°	37	17
165°	25	7
175°	4	1
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1287.2
2.5°	1412.0
5°	757.1
7.5°	308.1
10°	214.0
12.5°	131.1
15°	95.4
17.5°	79.4
20°	70.0
22.5°	65.1
25°	62.0
27.5°	60.6
30°	60.2
32.5°	60.2
35°	60.6
37.5°	61.1
40°	62.4
42.5°	63.3
45°	64.6
47.5°	66.0
50°	66.9
52.5°	68.2
55°	69.6
57.5°	70.9
60°	71.8
62.5°	73.1
65°	74.0
67.5°	74.9
70°	75.3
72.5°	75.8
75°	76.2
77.5°	75.8
80°	75.8
82.5°	75.8
85°	76.2
87.5°	76.2
90°	76.2
92.5°	76.2
95°	76.2
97.5°	76.2
100°	75.8
102.5°	75.3
105°	74.9
107.5°	74.0
110°	73.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	71.8
115°	70.4
117.5°	69.1
120°	67.3
122.5°	66.0
125°	64.2
127.5°	62.4
130°	60.2
132.5°	58.4
135°	56.2
137.5°	53.5
140°	51.3
142.5°	49.0
145°	46.4
147.5°	44.1
150°	41.9
152.5°	39.2
155°	37.0
157.5°	34.3
160°	31.7
162.5°	28.5
165°	25.0
167.5°	20.1
170°	13.8
172.5°	8.5
175°	3.6
177.5°	0.9
180°	0.4



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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	6.3	7.3	7.1	8.2	9.4	6.3	7.3	7.1	8.2	9.4
	3H	9.3	10.2	10.1	11.1	12.3	9.3	10.2	10.1	11.1	12.3
	4H	10.7	11.6	11.6	12.5	13.7	10.7	11.6	11.6	12.5	13.7
	6H	12.1	12.9	13.0	13.9	15.1	12.1	12.9	13.0	13.9	15.1
	8H	12.7	13.6	13.7	14.5	15.7	12.7	13.6	13.7	14.5	15.7
	12H	13.4	14.2	14.3	15.1	16.4	13.4	14.2	14.3	15.1	16.4
4H	2H	7.0	7.9	7.9	8.9	10.1	7.0	7.9	7.9	8.9	10.1
	3H	10.2	11.0	11.1	12.0	13.2	10.2	11.0	11.1	12.0	13.2
	4H	11.8	12.5	12.7	13.5	14.7	11.8	12.5	12.7	13.5	14.7
	6H	13.3	14.0	14.3	15.0	16.2	13.3	14.0	14.3	15.0	16.2
	8H	14.1	14.7	15.0	15.7	16.9	14.1	14.7	15.0	15.7	16.9
	12H	14.9	15.4	15.8	16.4	17.7	14.9	15.4	15.8	16.4	17.7
8H	4H	12.3	12.9	13.2	13.9	15.1	12.3	12.9	13.2	13.9	15.1
	6H	14.1	14.6	15.0	15.6	16.8	14.1	14.6	15.0	15.6	16.8
	8H	15.0	15.4	15.9	16.4	17.7	15.0	15.4	15.9	16.4	17.7
	12H	15.9	16.3	16.9	17.3	18.6	15.9	16.3	16.9	17.3	18.6
12H	4H	12.4	13.0	13.4	14.0	15.2	12.4	13.0	13.4	14.0	15.2
	6H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	8H	15.2	15.7	16.2	16.7	18.0	15.2	15.7	16.2	16.7	18.0

(END OF REPORT)