

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: P1245354

Luminaire Tested: PRLX-UNA-L-935-23L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245354  
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-935-23L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 7  
Light Source: -  
Ballast/Driver: -

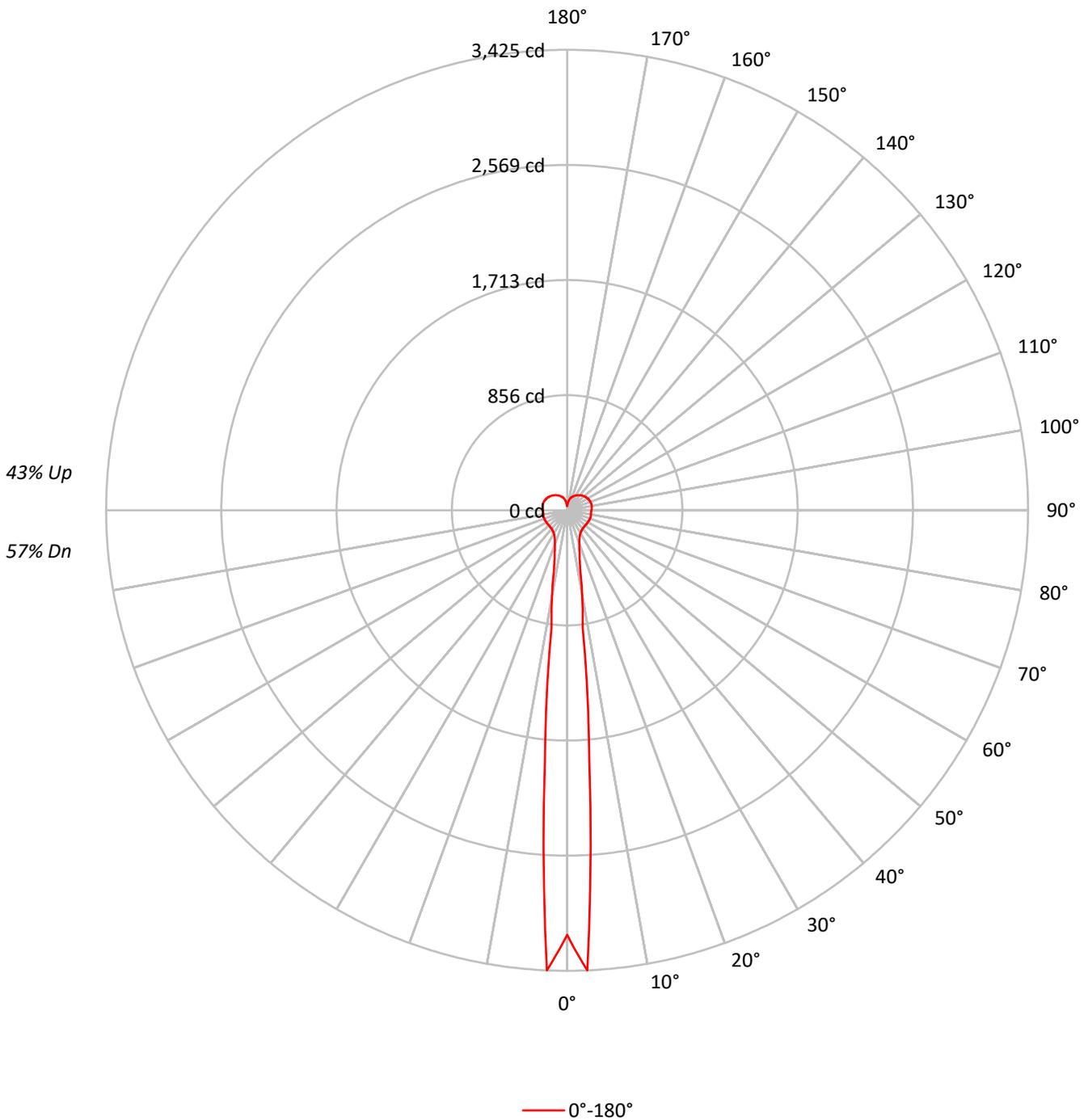
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2347.1 lumens  
Efficiency: N/A  
Efficacy: 40.3 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 (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°	99863
5°	46804
10°	13158
15°	6181
20°	4073
25°	3026
30°	2489
35°	2175
40°	1962
45°	1841
50°	1756
55°	1709
60°	1678
65°	1671
70°	1666
75°	1675
80°	1656
85°	1680

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1841 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.7	6.0
10°-20°	105.5	4.5
20°-30°	102.8	4.4
30°-40°	117.0	5.0
40°-50°	136.7	5.8
50°-60°	158.5	6.8
60°-70°	178.1	7.6
70°-80°	191.4	8.2
80°-90°	195.3	8.3
90°-100°	200.4	8.5
100°-110°	196.1	8.4
110°-120°	179.2	7.6
120°-130°	152.7	6.5
130°-140°	120.4	5.1
140°-150°	86.2	3.7
150°-160°	54.2	2.3
160°-170°	26.4	1.1
170°-180°	5.4	0.2
0°-30°	349.0	14.9
0°-40°	466.0	19.9
0°-60°	761.3	32.4
0°-90°	1326.1	56.5
90°-120°	575.7	24.5
90°-150°	935.0	39.8
90°-180°	1021.0	43.5
0°-180°	2347.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3157	
5°	1898	141
15°	355	106
25°	220	103
35°	186	117
45°	176	137
55°	176	159
65°	180	178
75°	182	191
85°	178	146
90°	181	99
95°	184	151
105°	186	196
115°	181	179
125°	170	153
135°	155	120
145°	136	86
155°	117	54
165°	92	26
175°	48	5
180°	32	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3156.6
2.5°	3425.4
5°	1897.5
7.5°	880.0
10°	646.9
12.5°	445.2
15°	354.9
17.5°	302.4
20°	265.7
22.5°	238.4
25°	219.5
27.5°	206.9
30°	197.4
32.5°	191.1
35°	185.9
37.5°	181.7
40°	178.5
42.5°	177.5
45°	176.4
47.5°	175.4
50°	175.4
52.5°	176.4
55°	176.4
57.5°	177.5
60°	177.5
62.5°	178.5
65°	179.6
67.5°	180.6
70°	180.6
72.5°	181.7
75°	181.7
77.5°	180.6
80°	178.5
82.5°	178.5
85°	178.5
87.5°	179.6
90°	180.6
92.5°	182.7
95°	183.8
97.5°	184.8
100°	185.9
102.5°	185.9
105°	185.9
107.5°	184.8
110°	183.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	182.7
115°	180.6
117.5°	178.5
120°	176.4
122.5°	173.3
125°	170.1
127.5°	167.0
130°	163.8
132.5°	159.6
135°	155.4
137.5°	151.2
140°	146.0
142.5°	141.8
145°	136.5
147.5°	132.3
150°	127.1
152.5°	121.8
155°	116.6
157.5°	111.3
160°	105.0
162.5°	99.8
165°	92.4
167.5°	84.0
170°	73.5
172.5°	62.0
175°	48.3
177.5°	35.7
180°	31.5



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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	9.3	10.3	10.2	11.2	12.4	9.3	10.3	10.2	11.2	12.4
	3H	12.1	13.1	13.0	14.0	15.2	12.1	13.1	13.0	14.0	15.2
	4H	13.5	14.4	14.4	15.3	16.5	13.5	14.4	14.4	15.3	16.5
	6H	14.8	15.7	15.8	16.6	17.8	14.8	15.7	15.8	16.6	17.8
	8H	15.5	16.3	16.4	17.2	18.4	15.5	16.3	16.4	17.2	18.4
	12H	16.1	16.9	17.0	17.8	19.1	16.1	16.9	17.0	17.8	19.1
4H	2H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	3H	13.0	13.8	14.0	14.8	16.0	13.0	13.8	14.0	14.8	16.0
	4H	14.6	15.3	15.5	16.2	17.5	14.6	15.3	15.5	16.2	17.5
	6H	16.1	16.7	17.0	17.7	18.9	16.1	16.7	17.0	17.7	18.9
	8H	16.8	17.4	17.8	18.4	19.6	16.8	17.4	17.8	18.4	19.6
	12H	17.5	18.1	18.5	19.1	20.3	17.5	18.1	18.5	19.1	20.3
8H	4H	15.1	15.7	16.0	16.6	17.9	15.1	15.7	16.0	16.6	17.9
	6H	16.8	17.3	17.7	18.3	19.5	16.8	17.3	17.7	18.3	19.5
	8H	17.6	18.1	18.6	19.1	20.4	17.6	18.1	18.6	19.1	20.4
	12H	18.6	19.0	19.5	20.0	21.3	18.6	19.0	19.5	20.0	21.3
12H	4H	15.2	15.7	16.1	16.7	18.0	15.2	15.7	16.1	16.7	18.0
	6H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
	8H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6

(END OF REPORT)