

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: P1245300

Luminaire Tested: PRLX-UNA-L-927-16L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245300  
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-927-16L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

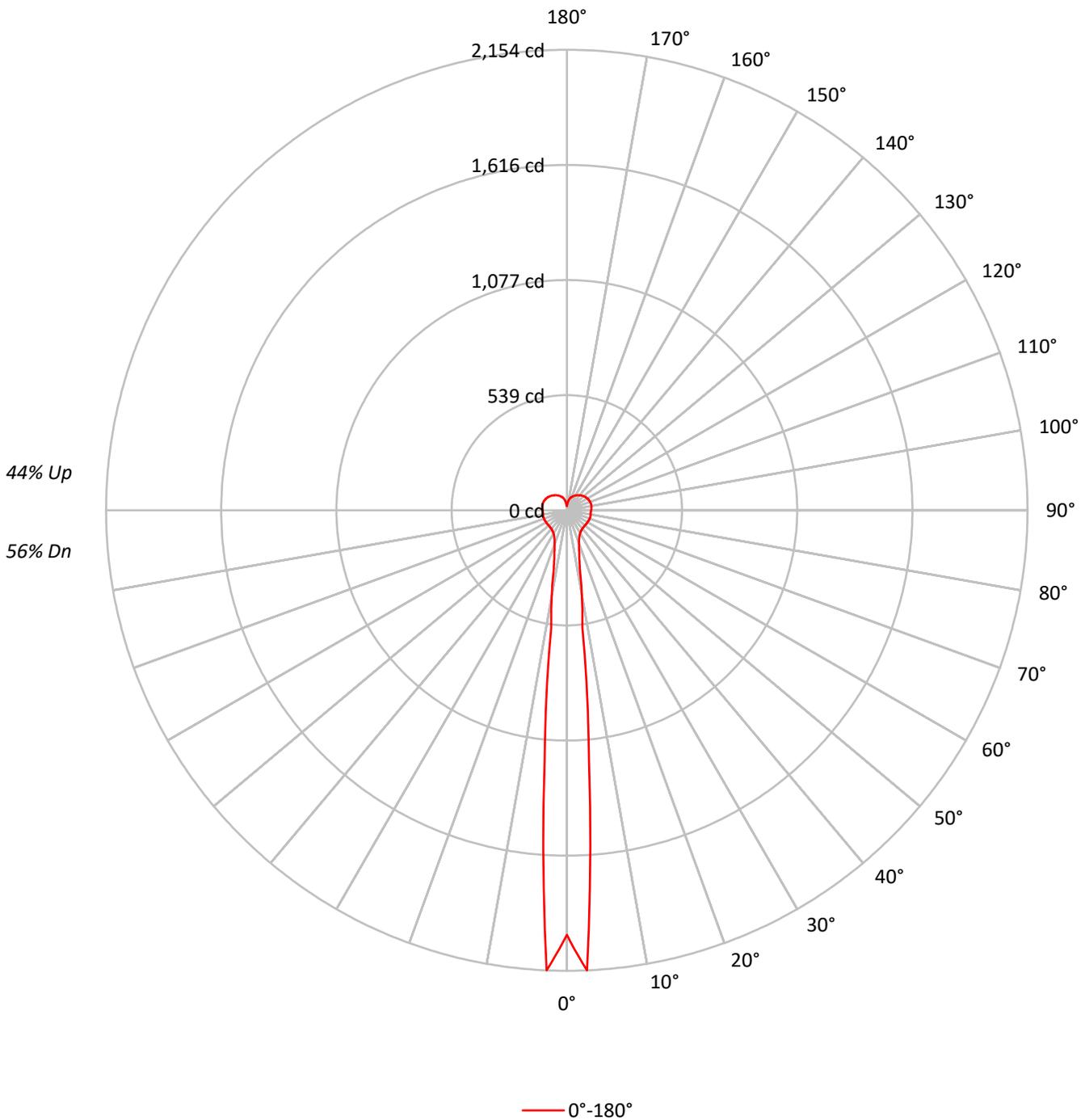
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1476.0 lumens  
Efficiency: N/A  
Efficacy: 38.0 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): 38.8  
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	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°	62801
5°	29434
10°	8274
15°	3887
20°	2562
25°	1902
30°	1566
35°	1368
40°	1234
45°	1158
50°	1104
55°	1074
60°	1055
65°	1050
70°	1048
75°	1052
80°	1042
85°	1057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1158 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.5	6.0
10°-20°	66.4	4.5
20°-30°	64.7	4.4
30°-40°	73.6	5.0
40°-50°	86.0	5.8
50°-60°	99.7	6.8
60°-70°	112.0	7.6
70°-80°	120.3	8.2
80°-90°	122.9	8.3
90°-100°	126.0	8.5
100°-110°	123.3	8.4
110°-120°	112.7	7.6
120°-130°	96.1	6.5
130°-140°	75.7	5.1
140°-150°	54.2	3.7
150°-160°	34.1	2.3
160°-170°	16.6	1.1
170°-180°	3.4	0.2
0°-30°	219.5	14.9
0°-40°	293.1	19.9
0°-60°	478.7	32.4
0°-90°	833.9	56.5
90°-120°	362.0	24.5
90°-150°	588.0	39.8
90°-180°	642.0	43.5
0°-180°	1476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1985	
5°	1193	88
15°	223	66
25°	138	65
35°	117	74
45°	111	86
55°	111	100
65°	113	112
75°	114	120
85°	112	92
90°	114	62
95°	116	95
105°	117	123
115°	114	113
125°	107	96
135°	98	76
145°	86	54
155°	73	34
165°	58	17
175°	30	3
180°	20	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1985.1
2.5°	2154.2
5°	1193.3
7.5°	553.4
10°	406.8
12.5°	280.0
15°	223.2
17.5°	190.2
20°	167.1
22.5°	149.9
25°	138.0
27.5°	130.1
30°	124.2
32.5°	120.2
35°	116.9
37.5°	114.2
40°	112.3
42.5°	111.6
45°	110.9
47.5°	110.3
50°	110.3
52.5°	110.9
55°	110.9
57.5°	111.6
60°	111.6
62.5°	112.3
65°	112.9
67.5°	113.6
70°	113.6
72.5°	114.2
75°	114.2
77.5°	113.6
80°	112.3
82.5°	112.3
85°	112.3
87.5°	112.9
90°	113.6
92.5°	114.9
95°	115.6
97.5°	116.2
100°	116.9
102.5°	116.9
105°	116.9
107.5°	116.2
110°	115.6

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	114.9
115°	113.6
117.5°	112.3
120°	110.9
122.5°	109.0
125°	107.0
127.5°	105.0
130°	103.0
132.5°	100.4
135°	97.7
137.5°	95.1
140°	91.8
142.5°	89.2
145°	85.9
147.5°	83.2
150°	79.9
152.5°	76.6
155°	73.3
157.5°	70.0
160°	66.0
162.5°	62.7
165°	58.1
167.5°	52.8
170°	46.2
172.5°	39.0
175°	30.4
177.5°	22.5
180°	19.8



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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	7.7	8.7	8.6	9.6	10.8	7.7	8.7	8.6	9.6	10.8
	3H	10.5	11.4	11.4	12.4	13.6	10.5	11.4	11.4	12.4	13.6
	4H	11.9	12.8	12.8	13.7	14.9	11.9	12.8	12.8	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	16.8	13.9	14.7	14.8	15.6	16.8
	12H	14.5	15.3	15.4	16.2	17.4	14.5	15.3	15.4	16.2	17.4
4H	2H	8.4	9.3	9.3	10.2	11.4	8.4	9.3	9.3	10.2	11.4
	3H	11.4	12.2	12.3	13.2	14.4	11.4	12.2	12.3	13.2	14.4
	4H	13.0	13.7	13.9	14.6	15.9	13.0	13.7	13.9	14.6	15.9
	6H	14.5	15.1	15.4	16.1	17.3	14.5	15.1	15.4	16.1	17.3
	8H	15.2	15.8	16.1	16.8	18.0	15.2	15.8	16.1	16.8	18.0
	12H	15.9	16.5	16.9	17.5	18.7	15.9	16.5	16.9	17.5	18.7
8H	4H	13.5	14.1	14.4	15.0	16.3	13.5	14.1	14.4	15.0	16.3
	6H	15.2	15.7	16.1	16.7	17.9	15.2	15.7	16.1	16.7	17.9
	8H	16.0	16.5	17.0	17.5	18.8	16.0	16.5	17.0	17.5	18.8
	12H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
12H	4H	13.5	14.1	14.5	15.1	16.3	13.5	14.1	14.5	15.1	16.3
	6H	15.3	15.8	16.3	16.8	18.1	15.3	15.8	16.3	16.8	18.1
	8H	16.3	16.7	17.3	17.7	19.0	16.3	16.7	17.3	17.7	19.0

(END OF REPORT)