



**PICASSO LIGHTING INDUSTRIES, LLC**  
46 Sellers Street, Kearny, NJ 07032  
201.246.8188

## **Indoor Distribution Test Report**

# **Picasso Lighting Industries, LLC**

46 Sellers St.  
Kearny, NJ 07032

### **Photopia Photometric Analysis & Optical Design**

#### **Catalog Number**

ANL-P-6in-D7-I3-30-80-OW-MC-W  
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

#### **Test Number**

IES-P00178

#### **Test Date**

Tue Oct 02 15:06:45 2018

The results contained in this report pertain only to the tested sample.  
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ANL-P-6in-D7-I3-30-80-OW-MC-W  
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses  
LED (3000K, 80+ CRI)

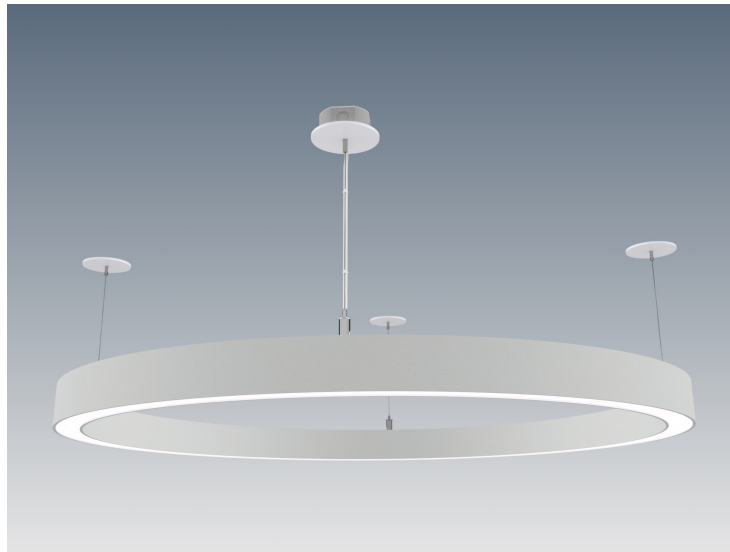


Image may differ slightly from actual unit.

For Lighting Calculations, Plot Modules Along Luminaire Diameter.  
Consult Picasso For Module Qty. & Centerline Diameter.

**Summary of Results**

**Output:**

<b>Watts:</b>	6.28 W
<b>Lumens:</b>	564.88 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	88.02 lm/W

**Spacing Criterion**

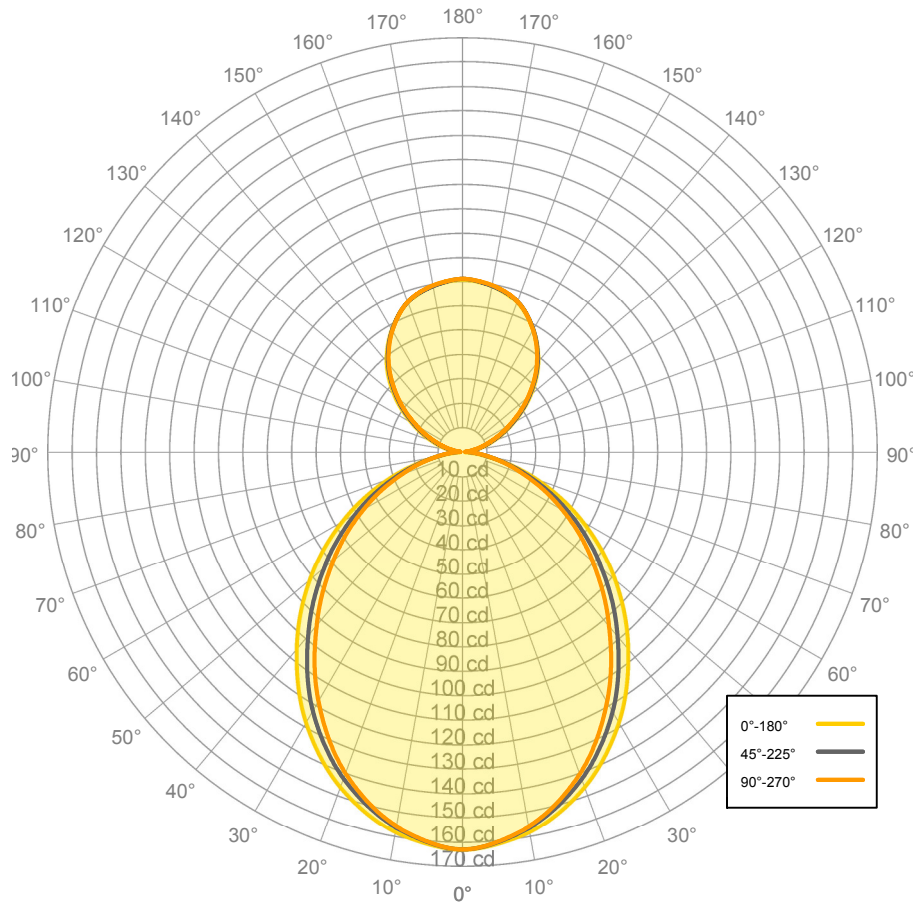
<b>Two luminaires, plane 0°</b>	1.17
<b>Two luminaires, plane 90°</b>	1.1
<b>Four luminaires</b>	1.23

**Full Beam Angle**

<b>0° - 180°</b>	100.03°
<b>90° - 270°</b>	89.74°

Calculated results may not be representative of field performance.  
Ballast factors have not been applied.

**Candela Polar Plot**



**Zonal Lumen Summary**

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	27.42	4.85%	90° - 100°	3.34	0.59%
10° - 20°	41.75	7.39%	100° - 110°	9.21	1.63%
20° - 30°	60.56	10.72%	100° - 120°	26.73	4.73%
30° - 40°	68.66	12.15%	120° - 130°	25.94	4.59%
40° - 50°	66.33	11.74%	130° - 140°	31.73	5.62%
50° - 60°	55.70	9.86%	140° - 150°	32.67	5.78%
60° - 70°	38.94	6.89%	150° - 160°	28.14	4.98%
70° - 80°	20.05	3.55%	160° - 170°	18.89	3.34%
80° - 90°	6.01	1.06%	170° - 180°	12.03	2.13%
0° - 90°	385.42	68.23%	0° - 180°	564.88	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	163.27	163.27	163.27	163.27	163.27
10.00°	158.47	157.81	156.82	155.93	156.24
20.00°	146.35	145.23	142.95	141.10	140.66
30.00°	128.23	126.61	123.10	119.87	118.49
40.00°	105.66	103.66	98.80	94.79	93.36
50.00°	81.67	79.22	74.41	70.48	69.28
60.00°	56.82	54.79	50.61	47.61	46.70
70.00°	32.14	30.69	28.02	26.20	25.93
80.00°	10.55	10.10	9.76	9.86	10.01
90.00°	1.05	1.21	1.20	1.06	1.02
100.00°	5.45	5.42	5.05	4.73	4.53
110.00°	13.32	13.10	12.64	12.10	11.89
120.00°	23.97	23.83	23.37	22.62	22.35
130.00°	36.49	36.09	35.58	34.81	34.93
140.00°	48.39	48.09	47.84	47.37	47.33
150.00°	57.88	58.07	57.94	57.72	57.72
160.00°	65.47	65.75	65.66	65.60	65.68
170.00°	69.45	69.45	69.11	69.33	69.44
180.00°	71.02	71.02	71.02	71.02	71.02

**Average Luminaire Luminance [cd/m²]**

	0.00°	45.00°	90.00°
0.00°	21,089	21,089	21,089
45.00°	10,529	5,716	5,167
55.00°	8,239	3,994	3,551
65.00°	5,809	2,508	2,211
75.00°	3,197	1,241	1,121
85.00°	1,055	383	364



**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

<b>RCR</b>	<b>pfc</b>	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	<b>pcc</b>	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	<b>pw</b>	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	<b>0</b>	630	630	630	630	594	594	594	594	528	528	528	467	467	467	412	412	412	385
	<b>1</b>	578	554	532	513	545	524	505	488	467	453	440	416	405	395	368	360	353	330
	<b>2</b>	529	487	453	424	498	462	431	405	413	390	369	369	351	335	327	314	302	281
	<b>3</b>	485	431	390	357	456	409	372	343	367	338	314	329	306	287	293	275	260	242
	<b>4</b>	446	385	340	306	419	365	325	294	329	297	271	296	270	249	264	244	228	210
	<b>5</b>	411	345	300	266	387	329	287	256	297	263	237	268	240	219	240	218	201	185
	<b>6</b>	380	312	266	234	359	298	256	226	270	236	210	244	216	194	220	197	179	165
	<b>7</b>	354	284	239	207	334	271	230	201	247	212	187	224	195	174	202	179	161	148
	<b>8</b>	330	260	216	186	311	249	208	180	227	193	169	206	178	158	187	164	147	134
	<b>9</b>	308	239	197	168	292	229	190	163	210	177	153	191	164	144	174	151	134	123
<b>10</b>	290	221	180	153	274	212	174	149	195	162	140	178	151	132	163	140	123	113	

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	5 fc	13 ft	13 ft
8 ft	3 fc	18 ft	18 ft
10 ft	2 fc	22 ft	22 ft
12 ft	1 fc	26 ft	26 ft
15 ft	1 fc	33 ft	33 ft