



**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-D5-I3-30-80-OW-MC-W  
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

#### **Test Number**

IES-P00175

#### **Test Date**

Wed Oct 03 10:22:45 2018

The results contained in this report pertain only to the tested sample.  
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ANL-P-6in-D5-I3-30-80-OW-MC-W  
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses  
LED (3000K, 80+ CRI)

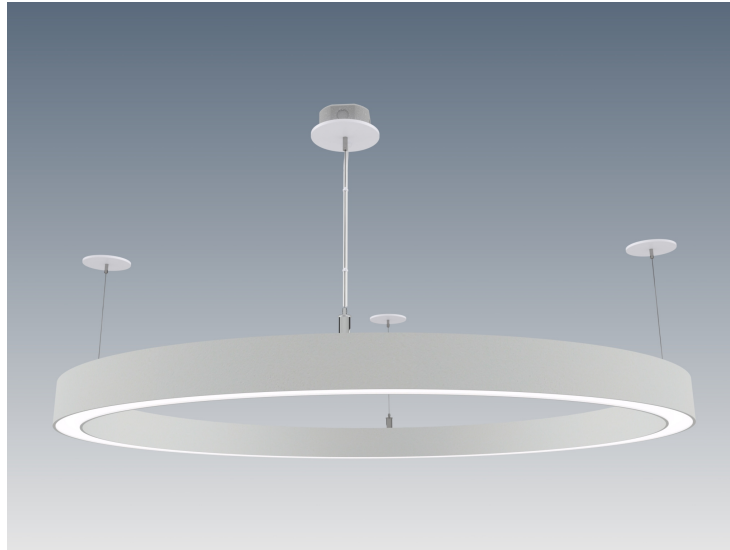


Image may differ slightly from actual unit.

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

**Summary of Results**

**Output:**

<b>Watts:</b>	4.8 W
<b>Lumens:</b>	436.35 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	88.91 lm/W

**Spacing Criterion**

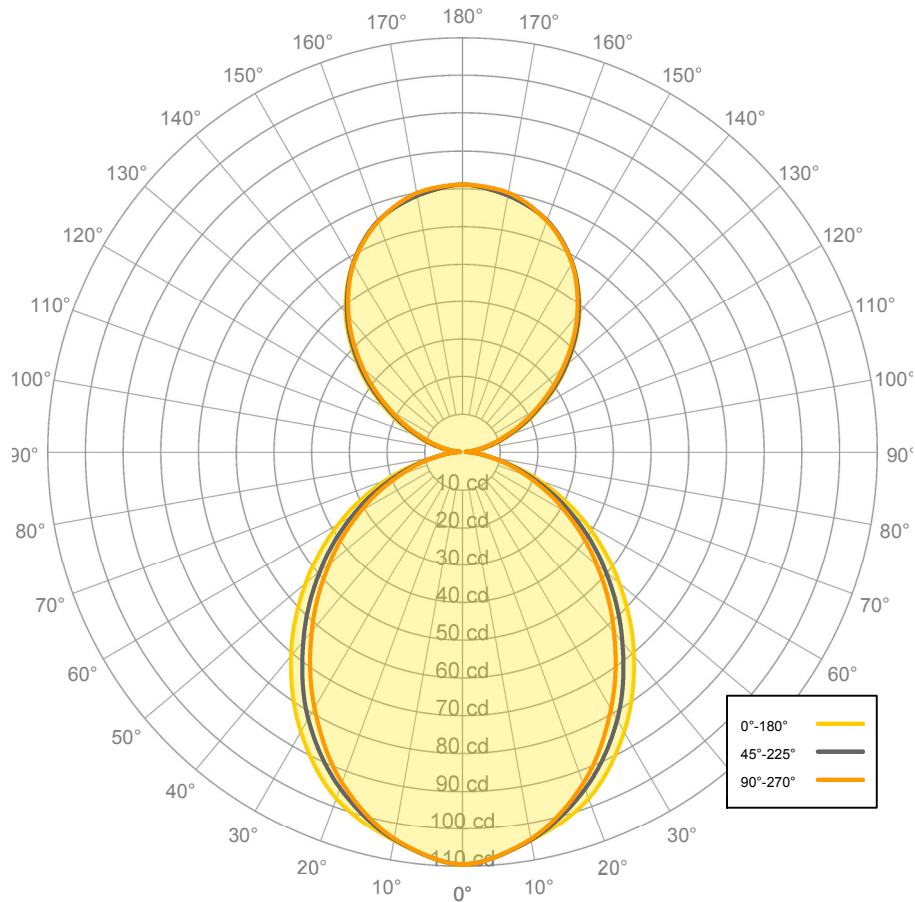
<b>Two luminaires, plane 0°</b>	1.17
<b>Two luminaires, plane 90°</b>	1.09
<b>Four luminaires</b>	1.23

**Full Beam Angle**

<b>0° - 180°</b>	293.27°
<b>90° - 270°</b>	294.16°

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°	18.33	4.20%	90° - 100°	3.21	0.73%
10° - 20°	27.82	6.38%	100° - 110°	9.23	2.11%
20° - 30°	40.35	9.25%	100° - 120°	26.72	6.12%
30° - 40°	45.77	10.49%	120° - 130°	25.93	5.94%
40° - 50°	44.25	10.14%	130° - 140°	31.74	7.27%
50° - 60°	37.13	8.51%	140° - 150°	32.69	7.49%
60° - 70°	25.96	5.95%	150° - 160°	28.13	6.45%
70° - 80°	13.38	3.07%	160° - 170°	18.85	4.32%
80° - 90°	4.08	0.93%	170° - 180°	12.03	2.76%
0° - 90°	257.05	58.91%	0° - 180°	436.35	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	109.60	109.60	109.60	109.60	109.60
10.00°	104.80	105.04	104.69	103.91	104.42
20.00°	97.83	96.60	95.22	94.19	93.69
30.00°	85.72	84.36	82.10	79.59	78.75
40.00°	70.71	69.17	65.92	63.12	62.44
50.00°	54.24	52.78	49.60	47.06	46.29
60.00°	37.85	36.57	33.73	31.72	31.08
70.00°	21.52	20.50	18.61	17.46	17.31
80.00°	7.06	6.78	6.47	6.58	6.72
90.00°	0.87	0.96	0.90	0.79	0.75
100.00°	5.54	5.41	5.08	4.73	4.56
110.00°	13.21	13.12	12.71	12.12	11.85
120.00°	23.92	23.87	23.26	22.57	22.26
130.00°	36.25	36.15	35.78	34.94	34.75
140.00°	48.28	48.07	47.85	47.33	47.23
150.00°	58.11	57.97	58.07	57.90	57.92
160.00°	65.36	65.43	65.42	65.46	65.29
170.00°	69.38	69.51	69.12	69.37	69.84
180.00°	71.01	71.01	71.01	71.01	71.01

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

	0.00°	45.00°	90.00°
0.00°	14,157	14,157	14,157
45.00°	7,023	3,812	3,454
55.00°	5,479	2,662	2,369
65.00°	3,877	1,669	1,473
75.00°	2,140	824	750
85.00°	722	258	247



**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>	477	477	477	477	445	445	445	445	385	385	385	331	331	331	281	281	281	257
	<b>1</b>	437	419	402	387	407	391	377	364	341	330	320	294	286	279	251	245	240	220
	<b>2</b>	400	368	342	320	372	345	322	302	301	283	268	260	247	236	223	214	205	187
	<b>3</b>	366	325	294	269	341	305	277	255	267	246	228	232	216	202	200	188	177	161
	<b>4</b>	336	290	256	230	313	272	242	219	239	215	197	208	190	175	180	166	155	140
	<b>5</b>	310	260	225	199	288	244	213	190	215	191	172	189	169	154	163	149	137	124
	<b>6</b>	286	234	199	174	267	221	189	167	195	170	151	172	152	136	149	134	122	110
	<b>7</b>	266	213	178	154	248	201	170	148	178	153	135	157	137	122	138	122	110	99
	<b>8</b>	248	194	161	138	231	184	153	132	164	139	121	145	125	110	127	111	99	90
	<b>9</b>	231	178	146	124	216	169	140	119	151	127	110	134	114	100	118	102	91	82
<b>10</b>	217	165	133	113	203	156	128	108	140	116	100	125	105	92	111	95	84	75	

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	3 fc	0 ft	0 ft
8 ft	2 fc	0 ft	0 ft
10 ft	1 fc	0 ft	0 ft
12 ft	1 fc	0 ft	0 ft
15 ft	0 fc	0 ft	0 ft