



**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-I5-30-80-OW-MC-W  
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

#### **Test Number**

IES-P00176

#### **Test Date**

Tue Oct 02 15:33:24 2018

The results contained in this report pertain only to the tested sample.  
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ANL-P-6in-D5-I5-30-80-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>	5.5 W
<b>Lumens:</b>	513.14 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	91.34 lm/W

**Spacing Criterion**

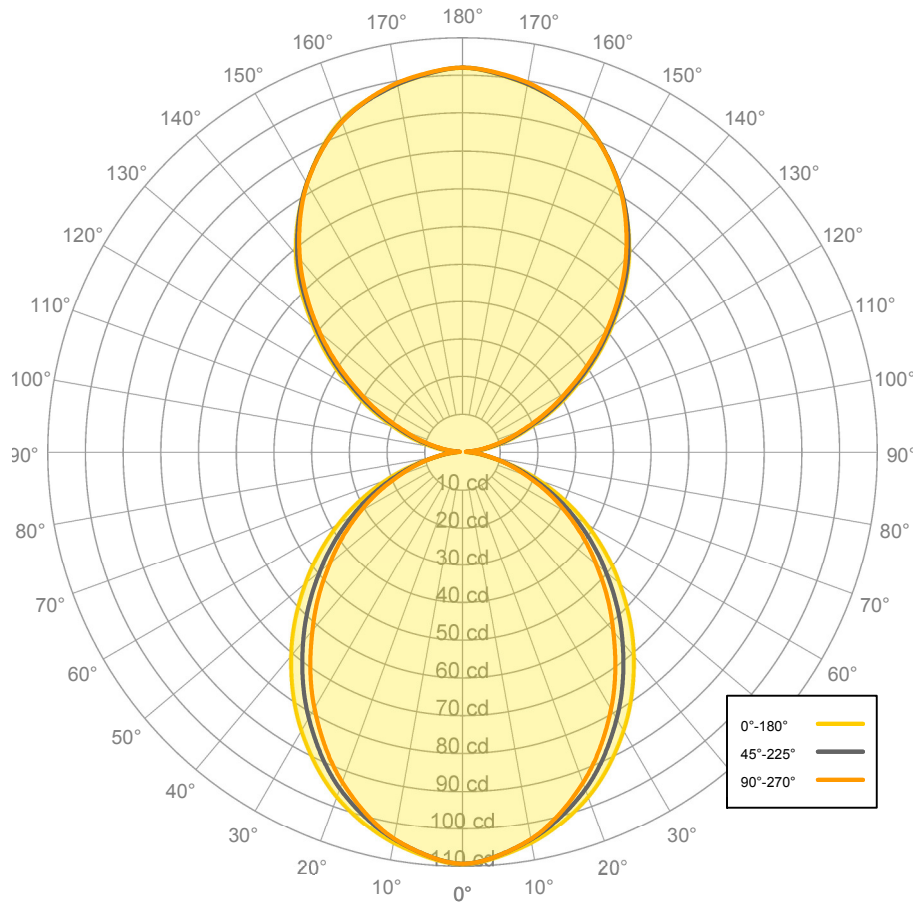
<b>Two luminaires, plane 0°</b>	1.17
<b>Two luminaires, plane 90°</b>	1.09
<b>Four luminaires</b>	1.23

**Full Beam Angle**

<b>0° - 180°</b>	263.65°
<b>90° - 270°</b>	265.66°

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	3.57%	90° - 100°	4.43	0.86%
10° - 20°	27.86	5.43%	100° - 110°	13.16	2.56%
20° - 30°	40.33	7.86%	100° - 120°	38.20	7.44%
30° - 40°	45.72	8.91%	120° - 130°	37.05	7.22%
40° - 50°	44.23	8.62%	130° - 140°	45.32	8.83%
50° - 60°	37.13	7.24%	140° - 150°	46.67	9.09%
60° - 70°	25.96	5.06%	150° - 160°	40.16	7.83%
70° - 80°	13.38	2.61%	160° - 170°	26.96	5.25%
80° - 90°	4.15	0.81%	170° - 180°	17.25	3.36%
0° - 90°	257.10	50.10%	0° - 180°	513.14	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	109.44	109.44	109.44	109.44	109.44
10.00°	105.42	105.16	104.60	104.32	104.44
20.00°	97.43	97.07	95.36	94.29	93.50
30.00°	85.42	84.36	81.80	79.48	78.80
40.00°	70.68	68.96	66.02	63.22	62.17
50.00°	54.33	52.85	49.62	47.01	46.11
60.00°	37.93	36.55	33.73	31.69	31.17
70.00°	21.46	20.49	18.67	17.47	17.30
80.00°	7.03	6.81	6.47	6.56	6.67
90.00°	1.12	1.15	1.02	0.90	0.84
100.00°	7.80	7.68	7.21	6.69	6.56
110.00°	19.08	18.72	18.10	17.30	16.97
120.00°	34.37	34.23	33.31	32.26	31.82
130.00°	51.58	51.68	50.80	49.93	49.72
140.00°	68.80	68.69	68.43	67.77	67.40
150.00°	82.56	82.95	82.71	82.61	82.58
160.00°	93.81	93.60	93.50	93.28	93.44
170.00°	99.14	99.28	99.19	99.55	99.58
180.00°	102.05	102.05	102.05	102.05	102.05

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

	0.00°	45.00°	90.00°
0.00°	14,136	14,136	14,136
45.00°	7,026	3,816	3,440
55.00°	5,489	2,663	2,366
65.00°	3,878	1,671	1,475
75.00°	2,133	826	748
85.00°	742	262	248



**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>	550	550	550	550	507	507	507	507	428	428	428	355	355	355	288	288	288	257
	<b>1</b>	504	482	463	445	464	446	429	414	378	366	355	315	307	299	257	252	247	220
	<b>2</b>	460	423	393	367	424	392	366	343	333	314	297	279	265	253	229	219	211	187
	<b>3</b>	421	374	337	308	387	347	315	289	296	272	252	249	231	216	205	192	182	161
	<b>4</b>	386	332	293	263	356	309	274	247	264	238	217	223	203	187	185	170	159	140
	<b>5</b>	356	297	257	227	327	277	241	214	238	210	189	202	181	164	168	152	140	124
	<b>6</b>	328	268	227	198	303	250	214	187	215	187	166	183	162	145	153	137	125	110
	<b>7</b>	304	243	203	175	281	227	191	166	196	168	147	168	146	130	141	125	112	99
	<b>8</b>	283	221	182	156	262	207	172	148	180	152	132	154	133	117	130	114	102	90
	<b>9</b>	264	203	165	140	244	190	156	133	166	138	119	143	121	106	121	105	93	82
<b>10</b>	248	187	151	126	229	175	143	120	153	127	109	133	112	97	113	97	85	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