



**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-PS-6in-D10-30-80-OW-W  
ANELLO - 6" Module Pendant/Surface Direct - Opal Lens

#### **Test Number**

IES-P00193

#### **Test Date**

Tue Nov 13 14:26:09 2018

The results contained in this report pertain only to the tested sample.  
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ANL-PS-6in-D10-30-80-OW-W  
ANELLO - 6" Module Pendant/Surface Direct - Opal Lens  
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>	5.98 W
<b>Lumens:</b>	507.05 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	84.36 lm/W

**Spacing Criterion**

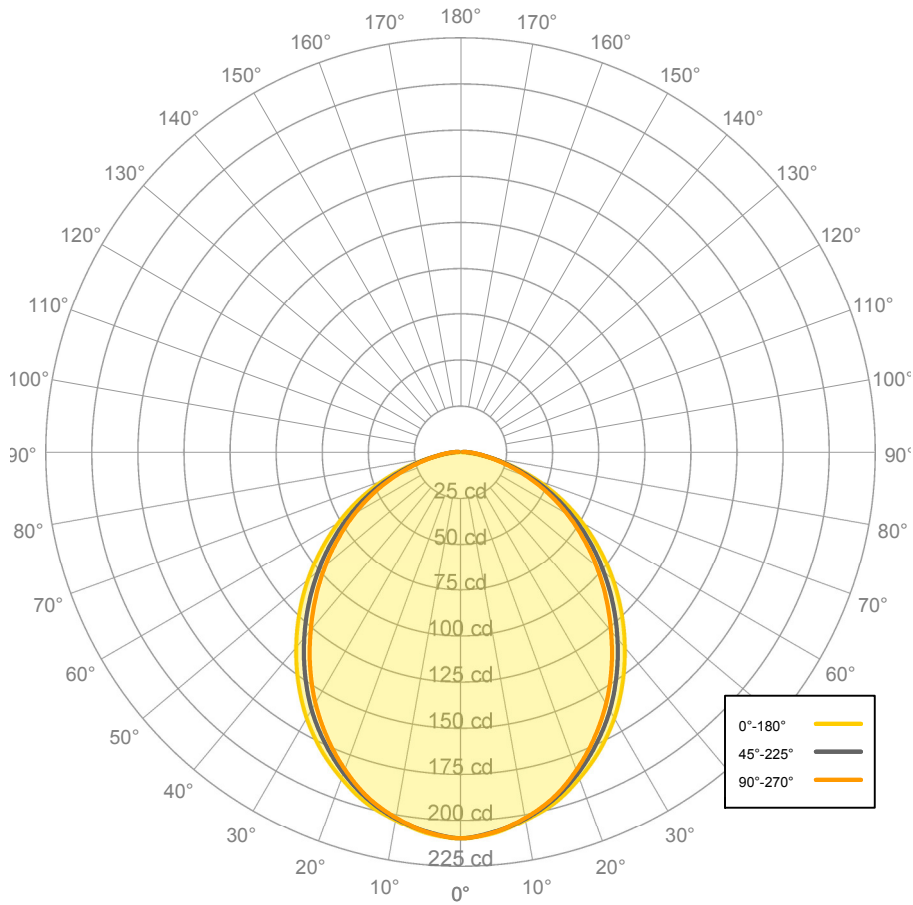
<b>Two luminaires, plane 0°</b>	1.18
<b>Two luminaires, plane 90°</b>	1.13
<b>Four luminaires</b>	1.26

**Full Beam Angle**

<b>0° - 180°</b>	101.85°
<b>90° - 270°</b>	94.14°

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°	23.58	4.65%	90° - 100°	0.29	0.06%
10° - 20°	54.87	10.82%	100° - 110°	0.00	0.00%
20° - 30°	80.19	15.82%	100° - 120°	0.00	0.00%
30° - 40°	92.04	18.15%	120° - 130°	0.00	0.00%
40° - 50°	90.06	17.76%	130° - 140°	0.00	0.00%
50° - 60°	76.74	15.13%	140° - 150°	0.00	0.00%
60° - 70°	54.68	10.78%	150° - 160°	0.00	0.00%
70° - 80°	27.85	5.49%	160° - 170°	0.00	0.00%
80° - 90°	7.04	1.39%	170° - 180°	0.00	0.00%
0° - 90°	507.05	100.00%	0° - 180°	507.05	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	210.05	210.05	210.05	210.05	210.05
5.00°	208.06	207.48	207.30	207.39	207.51
10.00°	203.01	203.15	202.61	202.33	202.11
15.00°	197.26	196.75	195.52	194.69	194.58
20.00°	188.55	188.03	186.00	184.58	183.93
25.00°	178.61	177.16	174.75	172.51	171.58
30.00°	166.86	165.31	162.08	159.04	157.95
35.00°	153.26	151.46	147.62	143.98	142.81
40.00°	138.64	136.62	132.37	128.38	126.92
45.00°	123.46	121.47	116.86	112.69	111.40
50.00°	107.94	105.85	101.31	97.10	96.00
55.00°	92.18	90.16	85.64	82.00	80.63
60.00°	76.44	74.46	70.21	66.87	65.91
65.00°	60.56	58.73	54.97	52.04	51.31
70.00°	44.44	42.95	39.79	37.61	37.05
75.00°	28.98	27.77	25.61	24.14	23.84
80.00°	15.06	14.46	13.49	13.12	13.23
85.00°	4.81	5.07	5.60	6.02	6.17
90.00°	0.61	1.11	1.19	1.10	1.09

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

	0.00°	45.00°	90.00°
0.00°	21,705	21,705	21,705
45.00°	18,042	17,077	16,280
55.00°	16,607	15,429	14,526
65.00°	14,807	13,441	12,546
75.00°	11,570	10,225	9,518
85.00°	5,703	6,639	7,315



**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>	604	604	604	604	590	590	590	590	564	564	564	540	540	540	517	517	517	507
	<b>1</b>	555	532	512	494	542	521	502	486	499	484	470	480	467	456	461	452	442	432
	<b>2</b>	508	468	435	408	494	458	428	403	440	415	393	424	403	384	409	391	376	365
	<b>3</b>	465	414	374	343	452	406	369	340	391	359	334	377	350	328	364	342	322	311
	<b>4</b>	427	369	326	293	416	362	322	291	350	315	287	338	308	283	327	301	280	269
	<b>5</b>	394	331	287	255	384	326	284	254	315	279	251	305	273	248	296	268	245	235
	<b>6</b>	365	300	256	224	356	295	254	223	286	249	221	277	245	219	270	240	218	207
	<b>7</b>	340	273	230	200	331	269	228	199	261	224	198	254	221	196	247	217	195	185
	<b>8</b>	317	250	208	179	309	247	207	179	240	204	178	234	201	177	228	198	176	166
	<b>9</b>	297	230	190	162	290	227	189	162	222	186	161	216	184	160	211	181	160	151
<b>10</b>	279	213	174	148	272	211	173	148	206	171	147	201	169	147	197	167	146	137	

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	6 fc	14 ft	14 ft
8 ft	3 fc	18 ft	18 ft
10 ft	2 fc	23 ft	23 ft
12 ft	1 fc	28 ft	28 ft
15 ft	1 fc	35 ft	35 ft