



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-D10-I3-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00201

Test Date

Tue Nov 27 08:46:52 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D10-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:

Watts:	7.77 W
Lumens:	698.59 lm
Efficiency:	N/A
Efficacy:	87.99 lm/W

Spacing Criterion

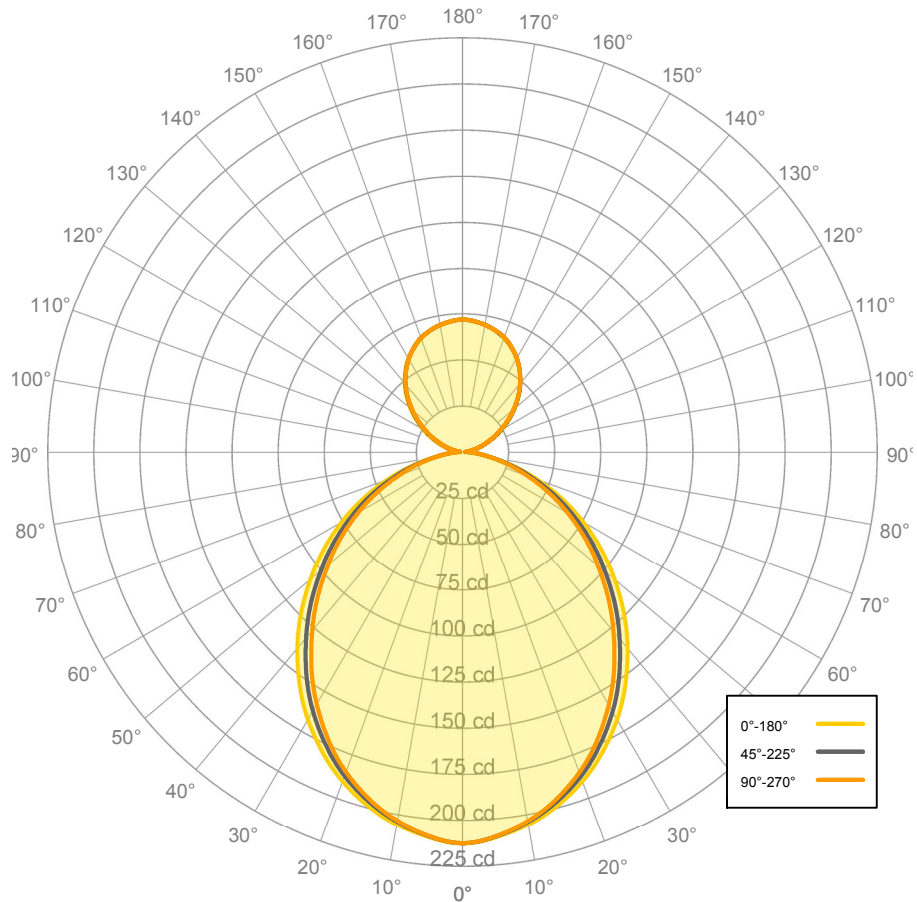
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.12
Four luminaires	1.25

Full Beam Angle

0° - 180°	100.79°
90° - 270°	93.22°

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°	35.72	5.11%	90° - 100°	3.69	0.53%
10° - 20°	54.61	7.82%	100° - 110°	9.69	1.39%
20° - 30°	79.81	11.42%	100° - 120°	27.89	3.99%
30° - 40°	91.42	13.09%	120° - 130°	26.71	3.82%
40° - 50°	89.23	12.77%	130° - 140°	32.39	4.64%
50° - 60°	75.58	10.82%	140° - 150°	33.14	4.74%
60° - 70°	53.33	7.63%	150° - 160°	28.40	4.07%
70° - 80°	27.45	3.93%	160° - 170°	19.01	2.72%
80° - 90°	8.05	1.15%	170° - 180°	12.16	1.74%
0° - 90°	515.19	73.75%	0° - 180°	698.59	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	212.71	212.71	212.71	212.71	212.71
10.00°	205.56	204.83	204.39	204.05	203.89
20.00°	190.22	189.39	187.65	186.05	185.38
30.00°	167.69	166.33	162.88	159.86	158.70
40.00°	139.27	137.00	132.51	128.71	127.32
50.00°	107.62	105.56	100.80	96.82	95.60
60.00°	75.61	73.70	69.36	66.03	65.11
70.00°	43.21	41.82	38.80	36.71	36.09
80.00°	14.40	13.95	13.17	12.96	13.07
90.00°	1.30	1.45	1.52	1.45	1.41
100.00°	5.63	5.61	5.35	5.17	5.12
110.00°	13.59	13.48	13.22	12.91	12.76
120.00°	24.49	24.35	24.09	23.76	23.63
130.00°	36.83	36.75	36.46	36.20	36.07
140.00°	48.78	48.66	48.52	48.48	48.41
150.00°	58.68	58.64	58.64	58.53	58.61
160.00°	65.73	66.05	65.93	65.95	66.01
170.00°	69.98	70.05	70.02	70.11	69.99
180.00°	71.89	71.89	71.89	71.89	71.89

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,719	21,719	21,719
45.00°	10,970	6,765	6,484
55.00°	8,617	4,842	4,590
65.00°	6,133	3,114	2,926
75.00°	3,410	1,563	1,485
85.00°	1,129	477	473



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pfc	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
	pcc	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	788	788	788	788	748	748	748	748	674	674	674	607	607	607	544	544	544	515
	1	723	693	666	642	686	660	636	614	597	579	562	539	525	512	486	476	466	440
	2	662	610	567	531	627	581	543	510	527	497	471	478	454	434	432	414	398	374
	3	606	540	488	447	574	515	469	431	469	431	401	426	396	371	386	363	343	321
	4	557	481	425	383	528	460	409	370	420	379	346	383	349	322	348	321	299	279
	5	514	432	375	332	487	414	361	322	379	336	302	346	311	283	316	287	264	246
	6	476	391	333	292	452	375	322	284	344	300	267	316	279	251	289	259	235	218
	7	443	356	299	260	420	342	290	253	315	271	239	290	253	225	266	235	212	196
	8	413	326	271	233	392	313	262	227	289	246	215	267	230	204	246	215	192	177
	9	386	300	247	211	368	289	240	206	268	225	196	248	211	185	229	198	175	162
	10	363	277	226	192	346	268	220	188	249	207	179	231	195	170	214	183	161	149

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	27 ft	27 ft
15 ft	1 fc	34 ft	34 ft