



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-D3-I10-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00205

Test Date

Mon Dec 03 12:23:00 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D3-I10-30-80-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:	7.1 W
Lumens:	682.10 lm
Efficiency:	N/A
Efficacy:	94.04 lm/W

Spacing Criterion

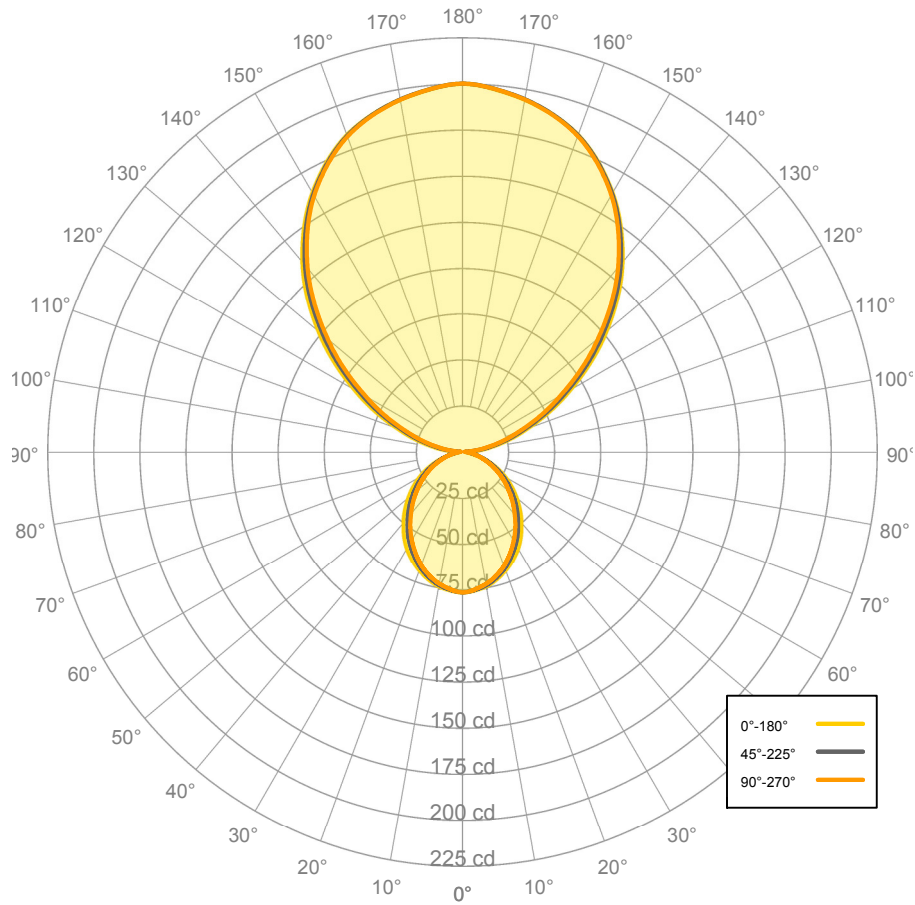
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	360°
90° - 270°	360°

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°	12.84	1.88%	90° - 100°	8.42	1.23%
10° - 20°	19.55	2.87%	100° - 110°	25.77	3.78%
20° - 30°	28.38	4.16%	100° - 120°	74.56	10.93%
30° - 40°	32.24	4.73%	120° - 130°	72.26	10.59%
40° - 50°	31.19	4.57%	130° - 140°	88.56	12.98%
50° - 60°	26.20	3.84%	140° - 150°	91.36	13.39%
60° - 70°	18.38	2.70%	150° - 160°	78.70	11.54%
70° - 80°	9.51	1.39%	160° - 170°	52.79	7.74%
80° - 90°	3.35	0.49%	170° - 180°	33.80	4.96%
0° - 90°	181.65	26.63%	0° - 180°	682.10	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	76.39	76.39	76.39	76.39	76.39
10.00°	74.30	73.94	73.51	73.21	72.82
20.00°	68.49	67.98	67.02	66.15	65.69
30.00°	60.40	59.44	57.69	56.00	55.47
40.00°	49.80	48.78	46.50	44.60	43.79
50.00°	38.32	37.27	35.03	33.06	32.45
60.00°	26.85	25.85	23.89	22.35	21.94
70.00°	15.32	14.61	13.23	12.38	12.21
80.00°	5.07	4.89	4.63	4.65	4.70
90.00°	1.88	1.72	1.37	1.12	1.05
100.00°	15.62	15.25	14.18	13.11	12.73
110.00°	37.52	36.79	35.26	33.57	32.95
120.00°	67.65	66.96	64.75	62.38	61.49
130.00°	102.06	101.28	99.25	97.04	96.03
140.00°	135.14	134.69	133.59	132.14	131.33
150.00°	162.87	162.82	162.18	161.59	161.28
160.00°	183.40	183.54	183.04	182.93	182.59
170.00°	194.37	194.37	194.54	194.70	194.35
180.00°	200.05	200.05	200.05	200.05	200.05

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,867	9,867	9,867
45.00°	4,953	2,690	2,422
55.00°	3,877	1,882	1,665
65.00°	2,754	1,184	1,039
75.00°	1,527	587	528
85.00°	632	210	190



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%	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	693	693	693	693	619	619	619	619	480	480	480	353	353	353	236	236	236	182
	1	632	604	579	556	564	540	520	501	421	407	394	311	303	295	210	205	201	155
	2	577	529	490	457	513	474	441	413	370	348	329	275	261	248	186	178	171	132
	3	527	466	419	381	469	418	378	346	327	300	277	244	226	211	166	156	147	113
	4	482	412	361	323	429	370	327	294	291	261	237	218	198	182	150	138	128	99
	5	442	367	315	276	394	330	286	252	261	229	204	196	175	158	135	123	113	87
	6	407	329	277	239	362	296	251	218	235	202	178	177	155	139	123	110	100	77
	7	376	296	245	209	335	267	223	191	213	180	157	161	139	123	113	100	89	70
	8	348	268	218	184	311	243	199	169	194	162	139	148	126	109	104	91	81	63
9	324	245	196	163	289	221	179	150	177	146	124	136	114	98	97	83	73	58	
10	302	224	177	146	270	203	162	134	163	133	112	126	104	89	90	77	67	53	

Cone of Light

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