



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-12in-D3-I5-30-80-OW-MC-W
ANELLO - 12" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00164

Test Date

Wed Oct 03 14:20:33 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-12in-D3-I5-30-80-OW-MC-W
ANELLO - 12" 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:	9.22 W
Lumens:	873.87 lm
Efficiency:	N/A
Efficacy:	92.72 lm/W

Spacing Criterion

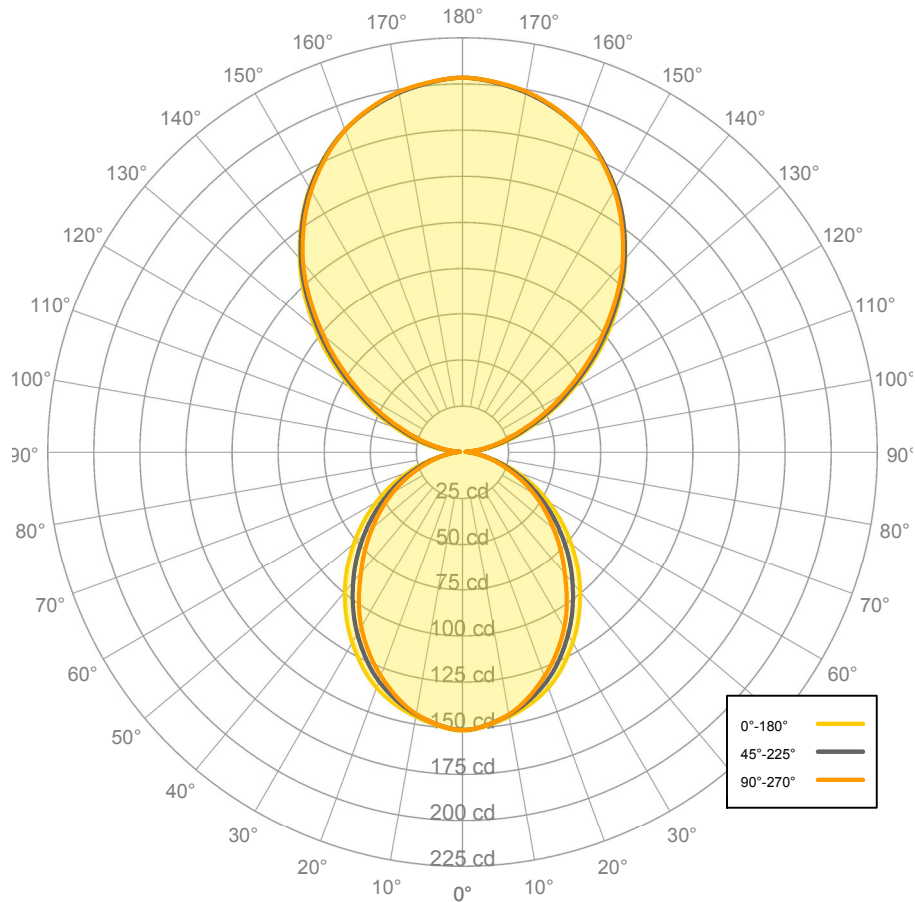
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	258.52°
90° - 270°	261.41°

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°	25.43	2.91%	90° - 100°	8.90	1.02%
10° - 20°	38.77	4.44%	100° - 110°	26.55	3.04%
20° - 30°	56.32	6.44%	100° - 120°	76.79	8.79%
30° - 40°	64.04	7.33%	120° - 130°	74.31	8.50%
40° - 50°	62.05	7.10%	130° - 140°	90.84	10.39%
50° - 60°	52.29	5.98%	140° - 150°	93.42	10.69%
60° - 70°	36.83	4.21%	150° - 160°	80.28	9.19%
70° - 80°	19.16	2.19%	160° - 170°	53.83	6.16%
80° - 90°	6.21	0.71%	170° - 180°	34.42	3.94%
0° - 90°	361.10	41.32%	0° - 180°	873.87	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	151.26	151.26	151.26	151.26	151.26
10.00°	145.98	146.98	145.13	145.32	144.86
20.00°	136.26	134.83	132.93	131.20	129.81
30.00°	119.59	118.27	114.50	111.15	110.25
40.00°	99.23	97.14	92.71	88.22	86.15
50.00°	76.77	74.63	69.90	65.67	64.02
60.00°	53.85	52.05	47.57	44.52	43.61
70.00°	31.21	29.58	26.65	24.62	24.09
80.00°	10.69	10.02	9.39	9.21	9.25
90.00°	2.28	2.18	1.83	1.51	1.43
100.00°	15.93	15.78	14.61	13.60	13.07
110.00°	38.60	37.81	36.48	34.58	33.83
120.00°	69.38	68.62	66.82	64.35	63.64
130.00°	104.24	103.63	101.94	100.24	99.12
140.00°	137.39	137.71	136.89	135.73	135.14
150.00°	165.77	166.01	165.56	165.35	164.41
160.00°	186.26	187.53	186.33	186.66	186.32
170.00°	198.60	198.35	198.15	198.19	198.74
180.00°	203.31	203.31	203.31	203.31	203.31

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,769	9,769	9,769
45.00°	6,124	2,916	2,385
55.00°	5,085	2,061	1,648
65.00°	3,891	1,314	1,030
75.00°	2,413	664	520
85.00°	1,051	223	176



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	918	918	918	918	837	837	837	837	686	686	686	548	548	548	421	421	421	361
	1	840	803	770	741	765	734	706	681	604	585	567	485	472	460	375	367	359	308
	2	766	704	653	610	697	644	600	563	532	501	473	429	407	388	333	319	306	262
	3	701	621	560	510	637	569	516	473	472	433	401	381	354	331	298	279	264	225
	4	642	551	485	434	584	506	448	403	421	378	344	342	311	286	268	247	230	196
	5	591	492	424	373	537	453	393	348	378	333	298	308	276	250	243	221	202	173
	6	545	443	374	325	496	408	347	304	342	296	262	280	246	220	222	198	180	154
	7	504	400	333	286	459	369	310	267	311	265	232	256	222	196	204	180	162	138
	8	468	364	298	253	427	336	278	238	284	239	207	235	201	176	188	164	146	125
	9	436	333	269	226	399	308	252	213	261	217	186	217	183	159	175	151	133	114
10	408	306	245	204	373	284	229	192	241	198	169	201	168	145	163	139	122	105	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	4 fc	0 ft	0 ft
8 ft	2 fc	0 ft	0 ft
10 ft	2 fc	0 ft	0 ft
12 ft	1 fc	0 ft	0 ft
15 ft	1 fc	0 ft	0 ft