



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-D5-I3-30-80-OW-MC-W
ANELLO - 12" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00166

Test Date

Wed Oct 03 13:17:26 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-12in-D5-I3-30-80-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:	9.54 W
Lumens:	874.83 lm
Efficiency:	N/A
Efficacy:	89.72 lm/W

Spacing Criterion

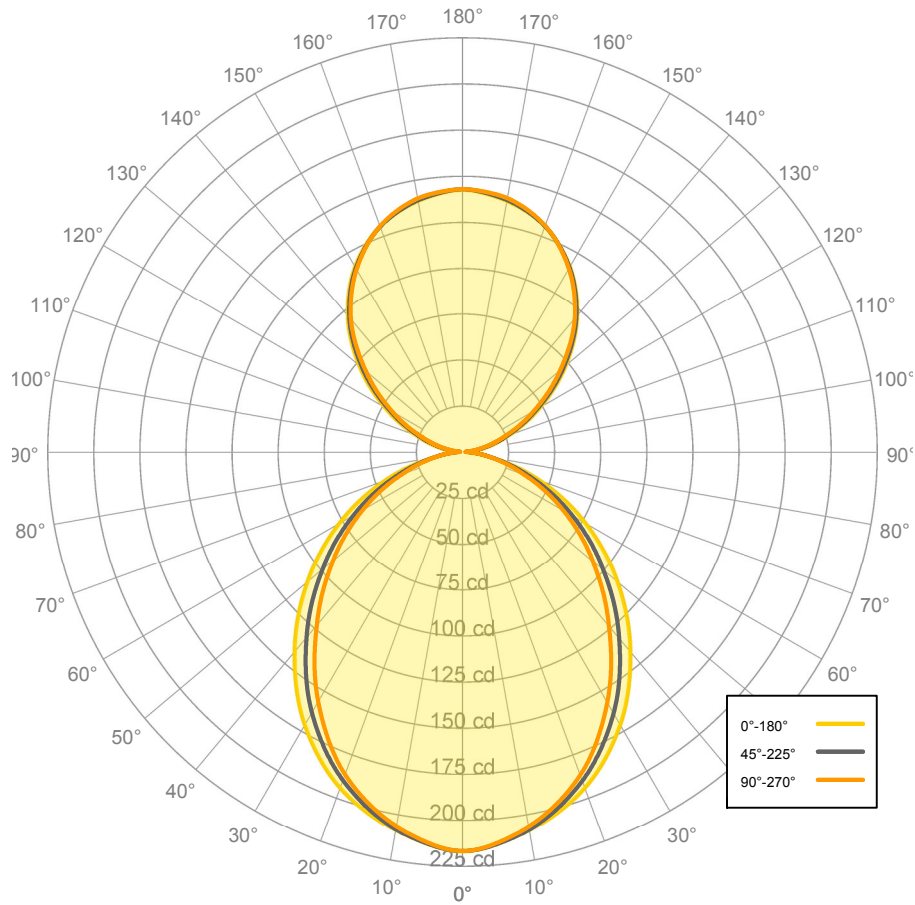
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.09
Four luminaires	1.24

Full Beam Angle

0° - 180°	291.8°
90° - 270°	293.52°

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°	36.39	4.16%	90° - 100°	6.53	0.75%
10° - 20°	55.46	6.34%	100° - 110°	18.58	2.12%
20° - 30°	80.49	9.20%	100° - 120°	53.80	6.15%
30° - 40°	91.41	10.45%	120° - 130°	52.07	5.95%
40° - 50°	88.65	10.13%	130° - 140°	63.58	7.27%
50° - 60°	74.72	8.54%	140° - 150°	65.41	7.48%
60° - 70°	52.58	6.01%	150° - 160°	56.19	6.42%
70° - 80°	27.36	3.13%	160° - 170°	37.63	4.30%
80° - 90°	8.46	0.97%	170° - 180°	24.11	2.76%
0° - 90°	515.51	58.93%	0° - 180°	874.83	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	216.96	216.96	216.96	216.96	216.96
10.00°	208.64	208.62	208.46	207.61	206.83
20.00°	194.05	193.57	190.19	187.51	186.89
30.00°	171.11	168.54	163.95	158.23	157.07
40.00°	141.67	138.66	132.14	126.00	123.48
50.00°	109.73	106.78	99.61	93.81	92.01
60.00°	77.18	74.01	68.16	63.50	62.37
70.00°	44.51	42.20	38.01	35.17	34.39
80.00°	15.19	14.33	13.38	13.30	13.24
90.00°	2.09	2.06	1.86	1.66	1.55
100.00°	11.16	11.00	10.23	9.50	9.24
110.00°	26.79	26.54	25.48	24.25	23.76
120.00°	48.60	48.21	46.73	45.26	44.76
130.00°	73.12	72.48	71.43	70.16	69.13
140.00°	96.87	96.22	96.01	94.62	94.66
150.00°	116.55	116.65	115.83	115.43	115.11
160.00°	130.77	130.90	130.48	129.90	130.75
170.00°	138.71	138.41	138.90	138.20	139.90
180.00°	142.68	142.68	142.68	142.68	142.68

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	14,012	14,012	14,012
45.00°	8,747	4,156	3,423
55.00°	7,276	2,943	2,363
65.00°	5,567	1,879	1,472
75.00°	3,438	947	743
85.00°	1,400	302	244



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	956	956	956	956	892	892	892	892	772	772	772	663	663	663	563	563	563	516
	1	876	839	805	775	816	784	755	729	682	661	641	589	573	559	502	491	481	440
	2	801	737	684	640	745	690	644	605	602	567	537	521	495	473	446	428	411	375
	3	733	652	588	538	682	611	555	510	535	492	457	465	432	405	399	375	355	322
	4	673	580	512	459	627	545	484	437	479	431	393	417	380	351	360	332	309	280
	5	620	520	450	398	578	489	426	379	431	381	343	377	338	308	327	297	273	247
	6	574	469	399	348	534	442	379	333	391	340	302	343	303	273	299	268	243	220
	7	532	426	357	308	496	402	340	295	357	306	269	315	274	244	275	243	219	197
	8	496	389	322	275	463	368	307	264	328	278	242	290	250	220	254	222	198	179
	9	463	357	292	248	433	338	279	238	302	253	219	268	229	200	237	205	181	163
10	434	329	267	225	407	313	255	217	280	233	200	250	211	183	221	189	167	150	

Cone of Light

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