



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-12in-D7-30-80-OW-W
ANELLO - 12" Module Pendant/Surface Direct - Opal Lens

Test Number

IES-P00186

Test Date

Mon Oct 08 12:15:51 2018

The results contained in this report pertain only to the tested sample.
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ANL-PS-12in-D7-30-80-OW-W
ANELLO - 12" 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:

Watts:	8.97 W
Lumens:	753.26 lm
Efficiency:	N/A
Efficacy:	83.49 lm/W

Spacing Criterion

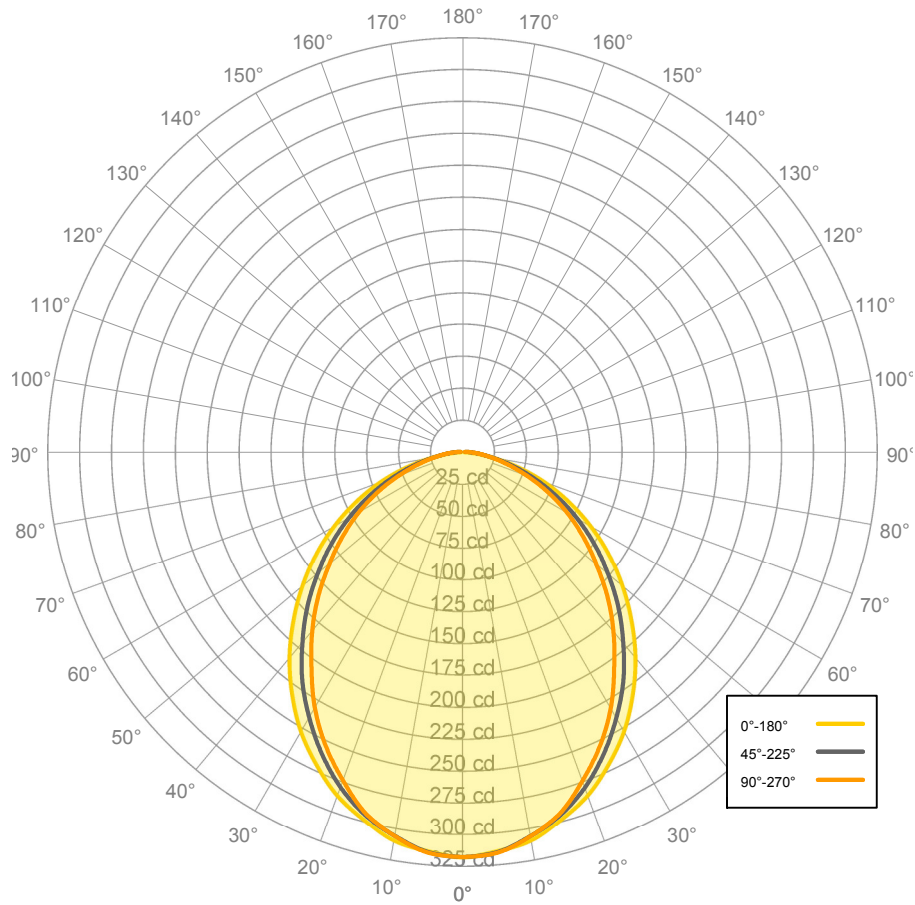
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	101.94°
90° - 270°	90.6°

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°	35.73	4.74%	90° - 100°	0.46	0.06%
10° - 20°	82.91	11.01%	100° - 110°	0.00	0.00%
20° - 30°	120.29	15.97%	100° - 120°	0.00	0.00%
30° - 40°	136.89	18.17%	120° - 130°	0.00	0.00%
40° - 50°	133.02	17.66%	130° - 140°	0.00	0.00%
50° - 60°	112.69	14.96%	140° - 150°	0.00	0.00%
60° - 70°	79.93	10.61%	150° - 160°	0.00	0.00%
70° - 80°	40.94	5.44%	160° - 170°	0.00	0.00%
80° - 90°	10.86	1.44%	170° - 180°	0.00	0.00%
0° - 90°	753.26	100.00%	0° - 180°	753.26	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	318.03	318.03	318.03	318.03	318.03
5.00°	314.45	313.49	315.36	315.24	315.80
10.00°	309.67	307.66	306.18	305.39	306.32
15.00°	298.71	298.41	295.55	293.42	294.20
20.00°	286.79	284.93	280.48	277.22	274.77
25.00°	270.68	268.81	261.71	256.54	254.71
30.00°	253.16	249.51	241.05	234.91	232.31
35.00°	232.59	228.52	219.65	211.12	207.10
40.00°	210.84	206.41	195.85	186.53	183.89
45.00°	187.24	182.19	172.67	162.88	160.46
50.00°	163.60	159.36	148.70	139.90	136.44
55.00°	140.00	135.41	125.59	116.79	114.49
60.00°	116.00	111.96	102.60	95.42	93.50
65.00°	91.90	88.09	79.66	73.76	72.21
70.00°	68.24	64.47	57.64	53.04	51.64
75.00°	44.67	41.66	37.20	34.42	33.71
80.00°	23.56	22.01	19.94	19.79	19.60
85.00°	7.92	8.06	8.93	9.39	9.30
90.00°	1.33	1.79	1.79	1.63	1.64

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	20,539	20,539	20,539
45.00°	17,101	15,771	14,656
55.00°	15,764	14,141	12,891
65.00°	14,044	12,173	11,035
75.00°	11,147	9,283	8,412
85.00°	5,869	6,617	6,891



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	897	897	897	897	876	876	876	876	837	837	837	801	801	801	769	769	769	753
	1	825	791	761	734	805	774	747	722	742	720	699	713	695	678	686	671	657	642
	2	755	696	647	606	735	682	637	599	655	618	585	631	599	572	608	582	559	543
	3	691	616	557	511	673	604	550	506	582	535	497	561	522	488	542	509	480	464
	4	636	549	486	438	619	539	480	435	521	469	429	503	459	423	487	449	417	401
	5	587	494	429	381	571	485	424	379	470	416	374	455	408	370	441	400	367	351
	6	544	447	382	335	530	440	379	334	426	372	331	414	365	328	402	359	325	310
	7	506	407	343	299	493	401	341	298	390	335	295	379	330	293	369	325	291	277
	8	472	373	311	269	461	368	309	268	358	305	266	349	300	265	340	296	263	249
	9	442	344	284	243	432	340	282	243	331	279	242	323	275	240	316	272	239	226
10	416	319	261	222	406	315	259	222	308	256	221	301	253	220	294	250	219	206	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	9 fc	13 ft	13 ft
8 ft	5 fc	18 ft	18 ft
10 ft	3 fc	22 ft	22 ft
12 ft	2 fc	27 ft	27 ft
15 ft	1 fc	34 ft	34 ft