



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-D7-I5-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00179

Test Date

Tue Oct 02 14:52:13 2018

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Picasso Lighting Industries, LLC.

ANL-P-6in-D7-I5-30-80-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:	6.97 W
Lumens:	641.67 lm
Efficiency:	N/A
Efficacy:	90.02 lm/W

Spacing Criterion

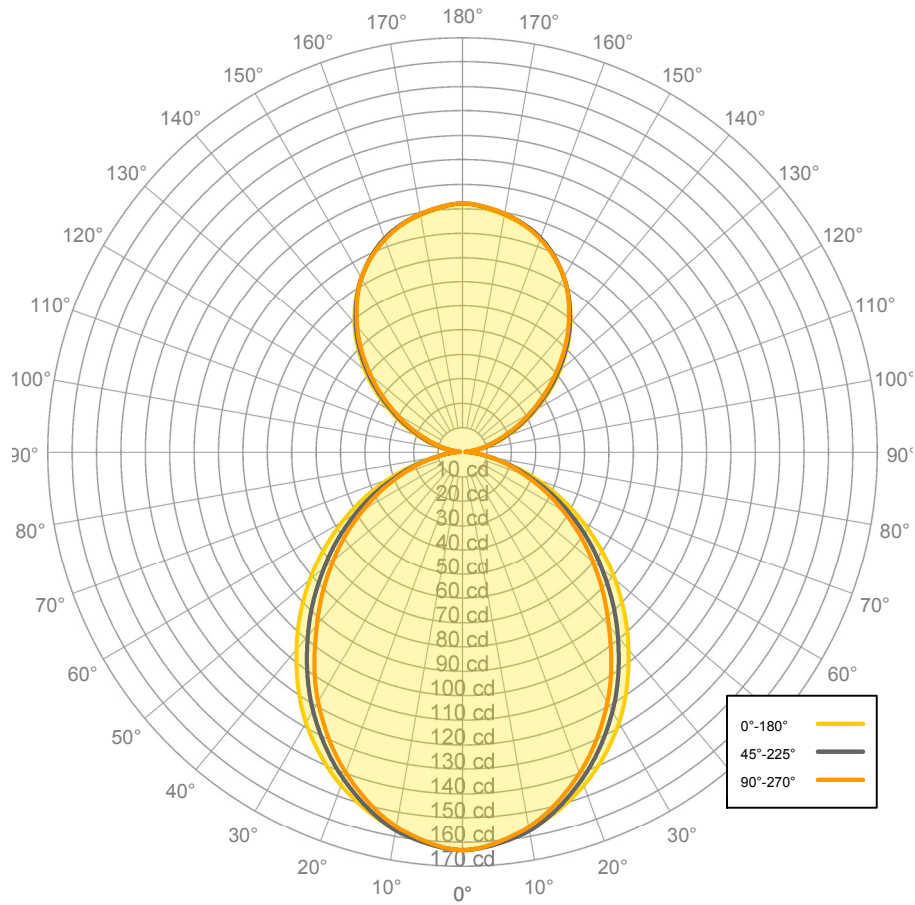
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.1
Four luminaires	1.23

Full Beam Angle

0° - 180°	298.24°
90° - 270°	298.45°

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°	27.45	4.28%	90° - 100°	4.59	0.71%
10° - 20°	41.73	6.50%	100° - 110°	13.16	2.05%
20° - 30°	60.48	9.42%	100° - 120°	38.18	5.95%
30° - 40°	68.62	10.69%	120° - 130°	37.10	5.78%
40° - 50°	66.36	10.34%	130° - 140°	45.35	7.07%
50° - 60°	55.71	8.68%	140° - 150°	46.69	7.28%
60° - 70°	38.96	6.07%	150° - 160°	40.17	6.26%
70° - 80°	20.06	3.13%	160° - 170°	26.92	4.19%
80° - 90°	6.08	0.95%	170° - 180°	17.24	2.69%
0° - 90°	385.44	60.07%	0° - 180°	641.67	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	163.51	163.51	163.51	163.51	163.51
10.00°	157.29	157.52	157.93	156.00	156.38
20.00°	145.42	144.72	143.06	141.57	140.33
30.00°	128.25	126.26	122.95	119.34	118.78
40.00°	105.77	103.60	99.01	94.94	93.20
50.00°	81.57	79.18	74.45	70.53	69.41
60.00°	56.78	54.76	50.79	47.61	46.59
70.00°	32.33	30.82	27.86	26.20	25.99
80.00°	10.53	10.06	9.72	9.85	10.08
90.00°	1.28	1.39	1.32	1.17	1.11
100.00°	7.79	7.73	7.24	6.71	6.57
110.00°	19.00	18.71	18.16	17.22	16.96
120.00°	34.51	34.14	33.26	32.18	31.86
130.00°	52.13	51.70	50.99	50.07	49.65
140.00°	68.85	68.45	68.39	67.66	67.53
150.00°	83.00	83.05	82.91	82.54	82.95
160.00°	93.49	93.38	93.43	93.36	92.94
170.00°	98.84	99.31	99.20	99.20	99.31
180.00°	101.99	101.99	101.99	101.99	101.99

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,120	21,120	21,120
45.00°	10,530	5,724	5,166
55.00°	8,231	4,001	3,551
65.00°	5,819	2,509	2,209
75.00°	3,209	1,234	1,125
85.00°	1,075	386	370



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	703	703	703	703	657	657	657	657	571	571	571	492	492	492	419	419	419	385
	1	644	617	593	571	601	578	557	538	504	489	474	437	426	415	375	367	359	330
	2	589	543	504	472	549	509	475	446	446	420	398	387	368	351	333	319	307	281
	3	540	480	434	397	503	451	410	377	396	364	338	345	321	301	298	280	265	242
	4	496	427	377	339	462	402	357	323	354	319	292	310	283	261	269	248	231	210
	5	457	383	332	294	426	361	315	280	319	283	254	281	252	229	244	222	204	185
	6	423	346	294	257	394	326	280	246	290	252	225	256	226	203	224	200	182	165
	7	392	314	263	228	366	297	251	219	265	227	200	234	204	182	206	182	164	148
	8	365	287	238	204	342	272	227	196	243	206	180	216	186	164	190	167	149	134
9	341	264	216	184	320	250	206	177	224	188	163	200	170	149	177	153	136	123	
10	320	243	197	167	300	231	189	161	208	173	149	186	157	137	165	142	125	113	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	5 fc	0 ft	0 ft
8 ft	3 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