



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-D10-I7-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00203

Test Date

Mon Nov 26 15:24:22 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D10-I7-30-80-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:	9.67 W
Lumens:	907.91 lm
Efficiency:	N/A
Efficacy:	91.88 lm/W

Spacing Criterion

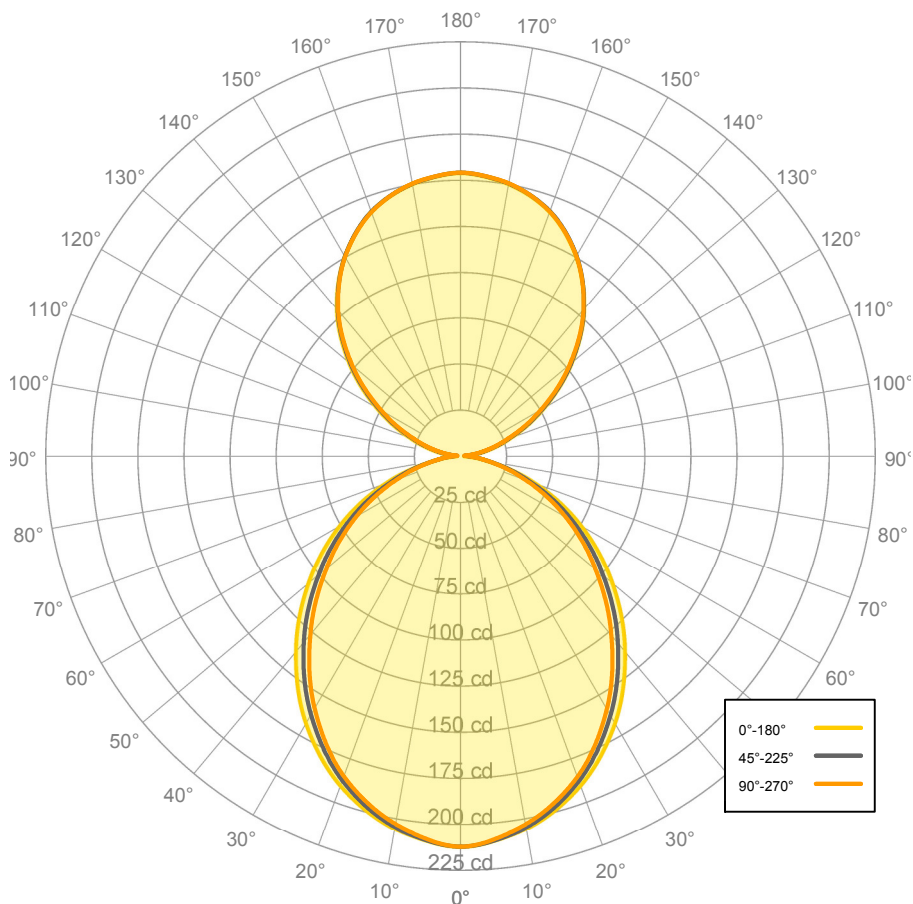
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.12
Four luminaires	1.25

Full Beam Angle

0° - 180°	281.71°
90° - 270°	282.24°

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°	35.72	3.93%	90° - 100°	7.27	0.80%
10° - 20°	54.69	6.02%	100° - 110°	20.76	2.29%
20° - 30°	79.84	8.79%	100° - 120°	59.75	6.58%
30° - 40°	91.38	10.07%	120° - 130°	57.24	6.30%
40° - 50°	89.22	9.83%	130° - 140°	69.44	7.65%
50° - 60°	75.60	8.33%	140° - 150°	71.03	7.82%
60° - 70°	53.32	5.87%	150° - 160°	60.86	6.70%
70° - 80°	27.42	3.02%	160° - 170°	40.76	4.49%
80° - 90°	8.31	0.92%	170° - 180°	26.05	2.87%
0° - 90°	515.50	56.78%	0° - 180°	907.91	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	212.42	212.42	212.42	212.42	212.42
10.00°	205.67	205.23	205.11	204.11	203.40
20.00°	190.47	189.80	187.99	186.36	185.57
30.00°	167.66	166.16	162.74	159.72	158.78
40.00°	138.85	136.96	132.76	128.64	127.20
50.00°	107.56	105.64	100.93	96.81	95.29
60.00°	75.66	73.68	69.41	66.12	65.08
70.00°	43.23	41.76	38.75	36.63	36.08
80.00°	14.44	13.95	13.20	12.91	13.04
90.00°	1.95	2.05	1.99	1.81	1.77
100.00°	12.09	11.97	11.53	11.07	10.97
110.00°	29.18	28.92	28.24	27.62	27.34
120.00°	52.51	52.26	51.65	50.86	50.40
130.00°	78.94	78.59	78.24	77.69	77.34
140.00°	104.41	104.34	104.06	103.93	103.78
150.00°	125.44	125.65	125.63	125.65	125.45
160.00°	141.34	141.33	141.49	141.29	141.23
170.00°	150.12	150.17	150.18	150.20	150.32
180.00°	153.85	153.85	153.85	153.85	153.85

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,690	21,690	21,690
45.00°	10,948	6,776	6,472
55.00°	8,617	4,847	4,580
65.00°	6,137	3,114	2,925
75.00°	3,414	1,562	1,483
85.00°	1,179	493	484



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	987	987	987	987	919	919	919	919	791	791	791	674	674	674	566	566	566	516
	1	905	866	831	800	841	808	778	751	698	676	656	598	582	567	505	494	484	440
	2	827	760	706	660	767	710	662	622	616	580	549	529	503	479	449	430	413	374
	3	756	672	606	554	702	628	571	524	547	502	466	471	438	410	401	376	356	321
	4	694	598	527	473	644	560	497	448	489	440	401	423	385	355	361	333	310	279
	5	639	535	462	409	594	502	437	389	440	389	349	382	342	311	328	297	273	246
	6	591	482	410	357	549	453	388	341	399	346	308	347	306	275	299	268	243	218
	7	548	438	366	316	510	412	347	302	363	311	273	318	277	246	275	243	219	196
	8	510	399	330	282	475	377	313	269	333	282	245	293	252	221	255	222	198	177
	9	476	366	299	253	444	346	285	243	307	257	222	271	230	201	237	204	181	162
	10	446	338	273	230	417	320	260	220	285	236	202	252	212	184	221	189	166	149

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	1 fc	0 ft	0 ft
15 ft	1 fc	0 ft	0 ft