



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

Test Number

IES-P00180

Test Date

Tue Oct 02 14:41:03 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D7-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:	8.18 W
Lumens:	769.78 lm
Efficiency:	N/A
Efficacy:	92.06 lm/W

Spacing Criterion

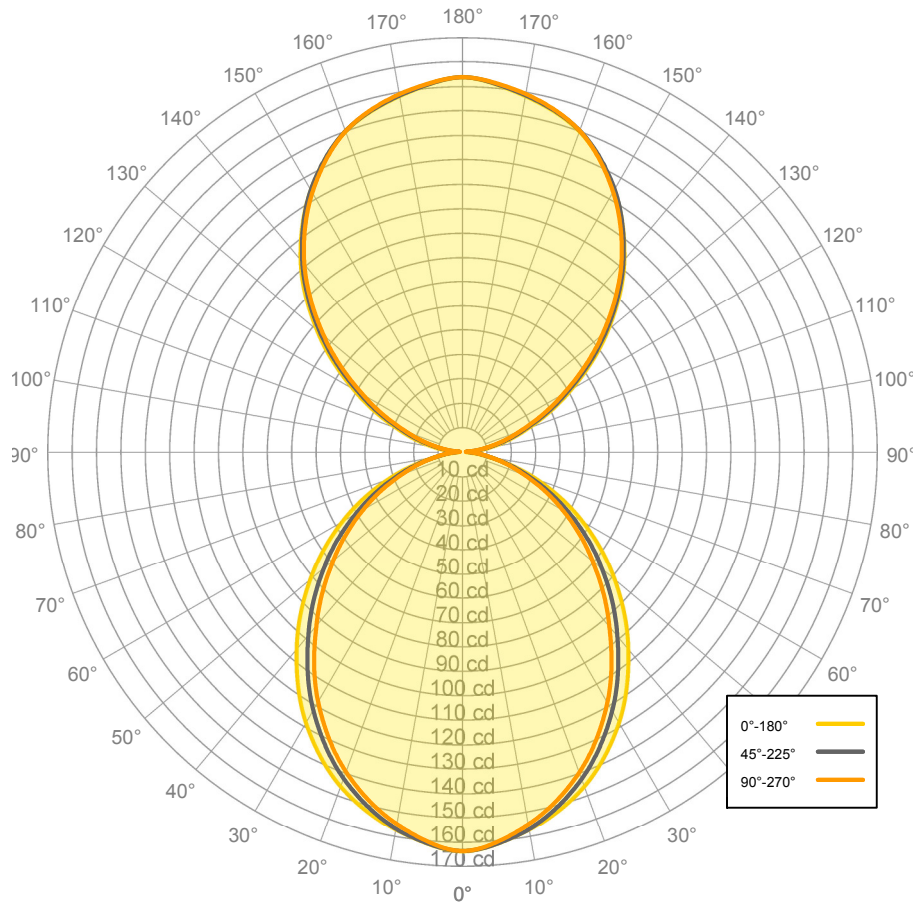
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.09
Four luminaires	1.23

Full Beam Angle

0° - 180°	263.18°
90° - 270°	265.46°

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°	27.44	3.56%	90° - 100°	6.67	0.87%
10° - 20°	41.69	5.42%	100° - 110°	19.72	2.56%
20° - 30°	60.48	7.86%	100° - 120°	57.21	7.43%
30° - 40°	68.60	8.91%	120° - 130°	55.66	7.23%
40° - 50°	66.33	8.62%	130° - 140°	68.10	8.85%
50° - 60°	55.70	7.24%	140° - 150°	70.05	9.10%
60° - 70°	38.97	5.06%	150° - 160°	60.25	7.83%
70° - 80°	20.09	2.61%	160° - 170°	40.39	5.25%
80° - 90°	6.23	0.81%	170° - 180°	25.91	3.37%
0° - 90°	385.53	50.08%	0° - 180°	769.78	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	163.90	163.90	163.90	163.90	163.90
10.00°	157.48	156.96	157.25	156.21	155.39
20.00°	146.01	144.61	142.91	141.53	140.04
30.00°	128.31	126.31	122.72	119.66	118.78
40.00°	105.72	103.63	98.69	94.65	93.56
50.00°	81.41	79.18	74.55	70.57	69.38
60.00°	56.84	54.80	50.50	47.58	46.80
70.00°	32.33	30.90	27.97	26.29	25.84
80.00°	10.70	10.12	9.70	9.82	9.99
90.00°	1.68	1.76	1.55	1.36	1.29
100.00°	11.82	11.57	10.76	10.02	9.97
110.00°	28.49	28.10	27.06	25.86	25.39
120.00°	51.55	51.28	49.78	48.35	47.74
130.00°	77.92	77.57	76.63	75.19	74.68
140.00°	103.25	103.04	102.64	101.60	101.31
150.00°	124.23	124.72	124.58	123.79	123.35
160.00°	140.13	140.15	140.35	139.69	140.28
170.00°	148.38	148.69	148.62	148.92	149.17
180.00°	153.81	153.81	153.81	153.81	153.81

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,170	21,170	21,170
45.00°	10,518	5,717	5,176
55.00°	8,225	3,995	3,557
65.00°	5,823	2,503	2,211
75.00°	3,222	1,237	1,118
85.00°	1,126	393	373



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	825	825	825	825	761	761	761	761	642	642	642	533	533	533	433	433	433	386
	1	755	723	694	668	696	668	644	621	566	548	532	473	460	449	386	378	370	330
	2	690	635	589	551	635	588	548	515	500	471	445	418	398	379	343	329	316	281
	3	632	561	506	462	581	520	472	434	444	408	378	373	347	324	307	289	273	242
	4	580	499	439	394	533	463	411	371	396	357	325	334	305	281	277	256	238	210
	5	533	446	385	340	491	415	361	321	357	315	283	302	271	246	251	228	210	185
	6	493	402	341	297	454	375	320	281	323	281	249	275	242	218	230	206	187	165
	7	457	364	304	262	421	340	286	248	294	252	221	251	219	194	211	187	168	148
	8	425	332	273	233	392	310	258	221	270	228	198	231	199	175	195	171	152	134
	9	396	304	248	209	367	285	234	199	248	208	179	214	182	159	182	157	139	123
10	371	280	226	189	344	263	214	180	230	190	163	199	167	145	170	145	128	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