



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-I10-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00207

Test Date

Mon Dec 03 14:38:23 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D7-I10-30-80-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:	9.4 W
Lumens:	889.99 lm
Efficiency:	N/A
Efficacy:	92.64 lm/W

Spacing Criterion

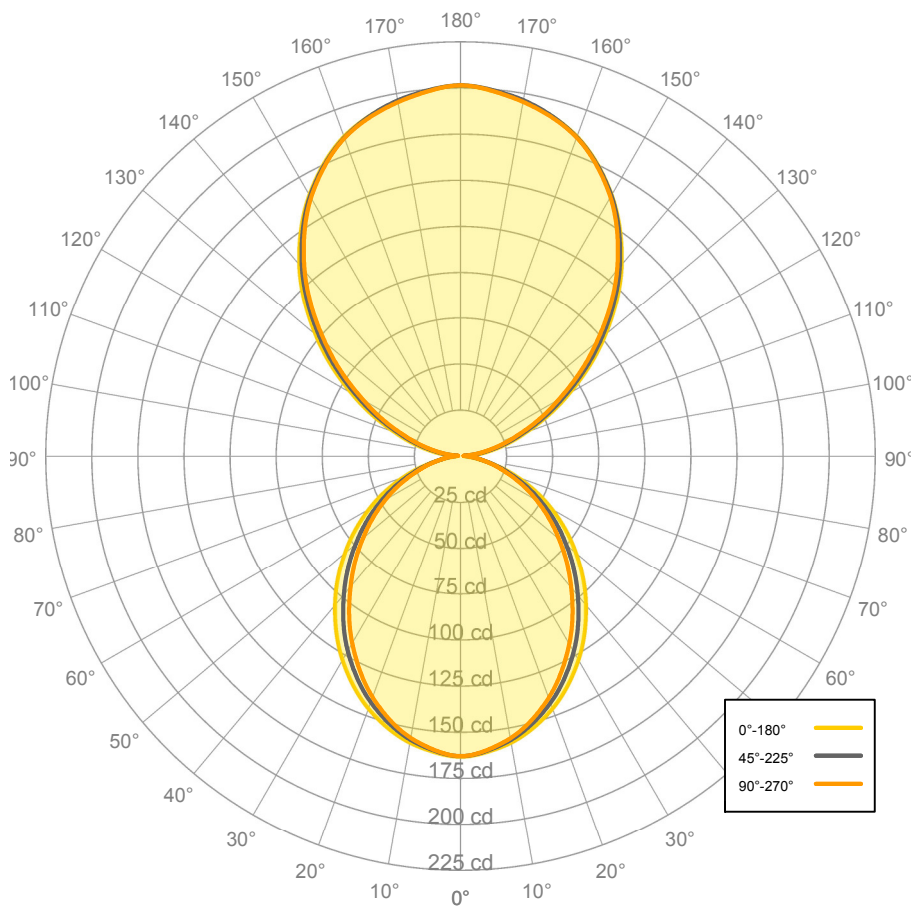
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.09
Four luminaires	1.23

Full Beam Angle

0° - 180°	258.86°
90° - 270°	262.32°

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°	27.40	3.08%	90° - 100°	8.70	0.98%
10° - 20°	41.68	4.68%	100° - 110°	25.95	2.92%
20° - 30°	60.39	6.79%	100° - 120°	75.05	8.43%
30° - 40°	68.55	7.70%	120° - 130°	72.72	8.17%
40° - 50°	66.35	7.46%	130° - 140°	89.13	10.02%
50° - 60°	55.79	6.27%	140° - 150°	91.97	10.33%
60° - 70°	39.15	4.40%	150° - 160°	79.22	8.90%
70° - 80°	20.25	2.27%	160° - 170°	53.15	5.97%
80° - 90°	6.47	0.73%	170° - 180°	34.03	3.82%
0° - 90°	386.02	43.37%	0° - 180°	889.99	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	163.25	163.25	163.25	163.25	163.25
10.00°	158.07	157.37	156.81	156.10	155.84
20.00°	145.99	144.99	142.74	140.94	139.86
30.00°	128.00	126.37	122.77	119.15	117.91
40.00°	105.89	103.59	98.90	94.78	93.25
50.00°	81.77	79.35	74.48	70.38	69.15
60.00°	57.18	55.05	50.80	47.68	46.75
70.00°	32.67	31.10	28.22	26.31	25.88
80.00°	10.89	10.33	9.85	9.90	10.00
90.00°	2.18	2.12	1.83	1.55	1.47
100.00°	15.75	15.38	14.24	13.20	12.81
110.00°	37.73	37.05	35.59	33.78	33.15
120.00°	68.10	67.30	65.14	62.83	61.72
130.00°	102.61	101.95	99.98	97.75	96.49
140.00°	136.08	135.61	134.44	132.91	132.20
150.00°	163.96	163.71	163.49	162.60	162.52
160.00°	184.78	184.30	184.28	184.18	184.07
170.00°	195.76	196.35	196.21	195.77	195.26
180.00°	201.28	201.28	201.28	201.28	201.28

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,086	21,086	21,086
45.00°	10,548	5,721	5,159
55.00°	8,267	4,002	3,548
65.00°	5,867	2,520	2,211
75.00°	3,262	1,250	1,119
85.00°	1,189	408	379



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	940	940	940	940	859	859	859	859	709	709	709	571	571	571	445	445	445	386
	1	859	822	789	759	785	753	725	699	625	605	586	506	493	480	397	388	380	330
	2	785	721	669	625	716	662	617	579	551	518	490	448	425	406	353	338	325	281
	3	718	636	574	524	654	585	531	487	488	448	415	399	370	346	315	296	280	241
	4	658	565	497	445	600	520	461	415	436	392	357	357	325	300	284	262	244	210
	5	605	505	435	384	552	466	405	359	392	345	310	322	288	262	258	234	215	185
	6	558	454	384	334	510	420	358	313	354	307	272	293	258	231	236	211	191	165
	7	517	411	342	294	473	380	319	276	322	275	241	268	232	206	216	191	172	148
	8	480	374	307	261	440	347	287	246	295	248	215	246	211	185	200	175	156	134
	9	448	342	277	234	410	318	260	220	271	226	194	227	193	168	186	160	142	123
	10	419	315	252	211	385	293	237	199	251	206	176	211	177	153	173	148	130	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