



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-D5-I10-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00206

Test Date

Mon Dec 03 13:26:15 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D5-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:	7.95 W
Lumens:	763.13 lm
Efficiency:	N/A
Efficacy:	93.89 lm/W

Spacing Criterion

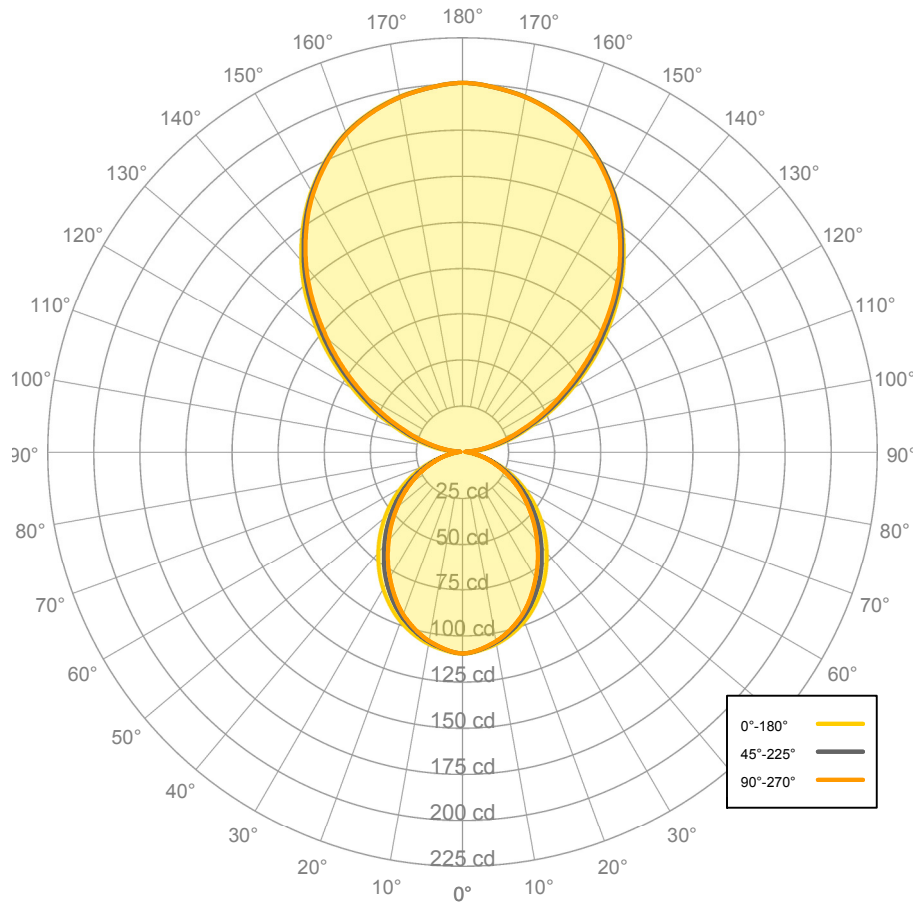
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.09
Four luminaires	1.23

Full Beam Angle

0° - 180°	258.57°
90° - 270°	262.05°

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°	18.39	2.41%	90° - 100°	8.56	1.12%
10° - 20°	27.99	3.67%	100° - 110°	25.92	3.40%
20° - 30°	40.57	5.32%	100° - 120°	75.01	9.83%
30° - 40°	46.02	6.03%	120° - 130°	72.72	9.53%
40° - 50°	44.55	5.84%	130° - 140°	89.14	11.68%
50° - 60°	37.47	4.91%	140° - 150°	91.99	12.05%
60° - 70°	26.27	3.44%	150° - 160°	79.23	10.38%
70° - 80°	13.58	1.78%	160° - 170°	53.14	6.96%
80° - 90°	4.53	0.59%	170° - 180°	33.96	4.45%
0° - 90°	259.36	33.99%	0° - 180°	763.13	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	109.57	109.57	109.57	109.57	109.57
10.00°	105.99	105.74	105.01	104.90	104.48
20.00°	98.10	97.44	95.85	94.54	94.26
30.00°	86.00	84.91	82.51	79.95	79.17
40.00°	71.04	69.55	66.39	63.59	62.56
50.00°	54.93	53.36	50.05	47.27	46.39
60.00°	38.33	36.98	34.09	31.99	31.37
70.00°	21.92	20.85	18.88	17.70	17.40
80.00°	7.26	6.93	6.61	6.65	6.72
90.00°	2.00	1.87	1.55	1.29	1.22
100.00°	15.71	15.37	14.26	13.21	12.80
110.00°	37.68	37.08	35.49	33.73	33.07
120.00°	68.27	67.28	65.16	62.82	61.81
130.00°	102.69	102.02	99.91	97.60	96.56
140.00°	136.05	135.62	134.48	132.94	132.44
150.00°	163.92	163.69	163.47	162.86	162.39
160.00°	184.71	184.35	184.39	184.04	184.00
170.00°	196.14	195.81	195.76	195.95	195.66
180.00°	200.47	200.47	200.47	200.47	200.47

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	14,153	14,153	14,153
45.00°	7,080	3,842	3,461
55.00°	5,548	2,688	2,381
65.00°	3,934	1,690	1,484
75.00°	2,185	837	753
85.00°	843	285	262



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	789	789	789	789	712	712	712	712	568	568	568	437	437	437	316	316	316	259
	1	720	689	660	635	649	623	599	577	499	483	468	386	376	366	281	275	270	221
	2	657	604	559	522	592	547	509	477	440	413	391	341	324	308	250	239	230	189
	3	601	532	479	436	540	482	437	400	389	357	330	303	281	263	223	210	198	162
	4	550	472	414	370	495	428	379	341	347	311	283	271	247	227	201	185	172	141
	5	505	421	361	318	455	383	332	293	311	274	245	244	218	198	182	165	152	124
	6	466	377	318	276	419	344	293	255	281	243	214	222	195	174	166	149	135	111
	7	431	341	282	242	388	311	260	224	255	217	189	202	175	155	153	135	121	99
	8	399	309	253	214	361	283	233	198	233	195	168	185	158	138	141	123	109	90
	9	372	282	227	190	336	259	210	177	213	177	151	171	144	125	131	113	99	82
10	347	259	206	171	314	238	191	159	197	161	136	158	132	114	122	104	91	76	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	3 fc	0 ft	0 ft
8 ft	2 fc	0 ft	0 ft
10 ft	1 fc	0 ft	0 ft
12 ft	1 fc	0 ft	0 ft
15 ft	0 fc	0 ft	0 ft