



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

Test Number

IES-P00202

Test Date

Mon Nov 26 16:05:46 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D10-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:	8.46 W
Lumens:	777.04 lm
Efficiency:	N/A
Efficacy:	89.84 lm/W

Spacing Criterion

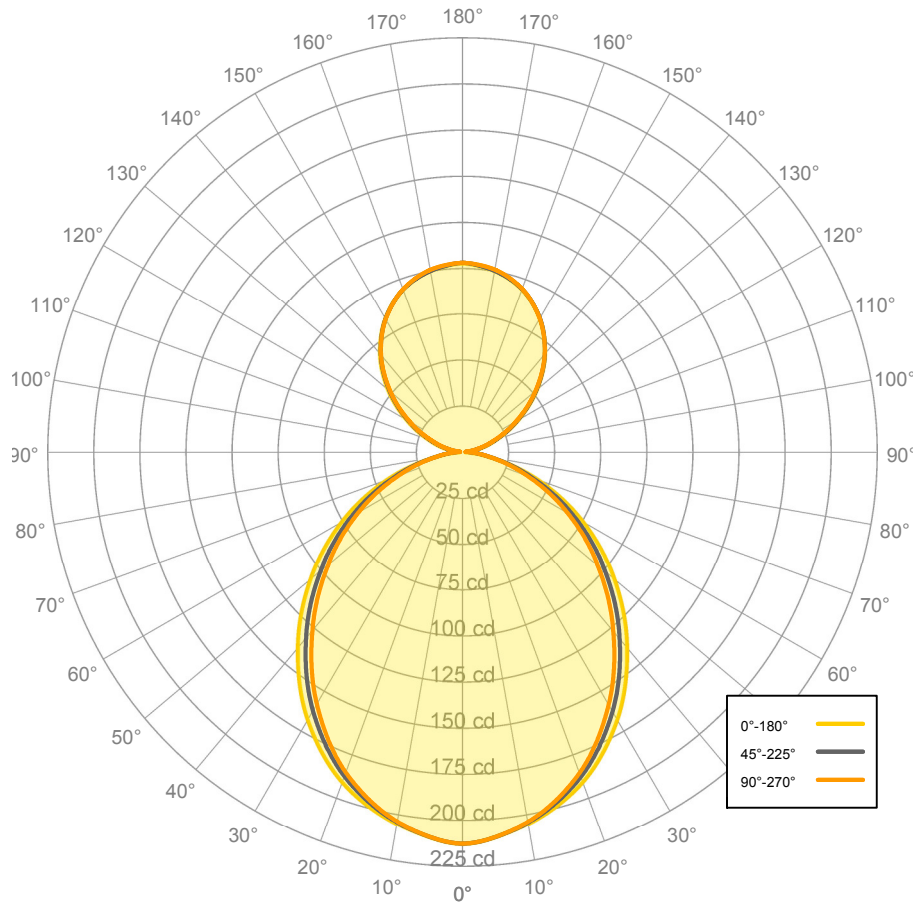
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.12
Four luminaires	1.25

Full Beam Angle

0° - 180°	100.73°
90° - 270°	93.08°

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°	35.76	4.60%	90° - 100°	5.02	0.65%
10° - 20°	54.66	7.03%	100° - 110°	13.82	1.78%
20° - 30°	79.82	10.27%	100° - 120°	39.81	5.12%
30° - 40°	91.38	11.76%	120° - 130°	38.18	4.91%
40° - 50°	89.21	11.48%	130° - 140°	46.30	5.96%
50° - 60°	75.58	9.73%	140° - 150°	47.36	6.10%
60° - 70°	53.29	6.86%	150° - 160°	40.58	5.22%
70° - 80°	27.43	3.53%	160° - 170°	27.15	3.49%
80° - 90°	8.15	1.05%	170° - 180°	17.36	2.23%
0° - 90°	515.27	66.31%	0° - 180°	777.04	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	212.90	212.90	212.90	212.90	212.90
10.00°	205.16	205.34	204.66	204.24	204.28
20.00°	190.78	189.50	187.87	185.91	185.66
30.00°	167.94	166.20	162.80	159.69	158.57
40.00°	138.95	137.05	132.56	128.59	127.15
50.00°	107.61	105.48	100.98	96.89	95.51
60.00°	75.61	73.55	69.39	66.06	65.01
70.00°	43.32	41.79	38.75	36.58	36.13
80.00°	14.41	13.95	13.16	12.93	13.07
90.00°	1.53	1.69	1.71	1.60	1.56
100.00°	8.05	7.95	7.66	7.35	7.27
110.00°	19.36	19.23	18.88	18.42	18.20
120.00°	34.95	34.86	34.40	33.89	33.82
130.00°	52.75	52.43	52.12	51.80	51.62
140.00°	69.66	69.59	69.34	69.19	69.23
150.00°	83.65	83.83	83.79	83.80	83.66
160.00°	94.22	94.36	94.07	94.25	94.18
170.00°	100.16	99.99	99.82	99.77	100.50
180.00°	102.68	102.68	102.68	102.68	102.68

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,739	21,739	21,739
45.00°	10,955	6,772	6,477
55.00°	8,617	4,848	4,584
65.00°	6,139	3,114	2,924
75.00°	3,417	1,561	1,486
85.00°	1,147	483	478



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	863	863	863	863	812	812	812	812	718	718	718	632	632	632	552	552	552	515
	1	791	758	728	701	744	715	689	665	635	615	597	561	547	533	493	483	473	440
	2	723	666	619	579	680	629	588	552	561	528	500	497	472	451	438	420	403	374
	3	663	589	532	487	622	558	507	466	498	458	425	443	412	386	392	368	348	321
	4	609	525	463	416	572	497	442	400	446	402	367	398	363	334	353	326	303	279
	5	561	471	408	361	527	447	390	347	402	355	320	360	323	293	320	291	267	246
	6	519	425	362	317	488	404	347	305	365	318	282	328	289	260	293	262	238	218
	7	482	386	324	281	454	368	311	271	333	286	252	300	262	233	270	238	214	196
	8	449	353	293	251	423	337	282	243	306	260	227	277	238	210	249	218	194	177
	9	420	325	266	227	396	310	256	220	283	237	205	256	219	191	232	200	177	162
	10	394	300	244	206	372	287	235	200	262	218	188	239	202	175	217	186	163	149

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	6 fc	14 ft	14 ft
8 ft	3 fc	18 ft	18 ft
10 ft	2 fc	23 ft	23 ft
12 ft	1 fc	27 ft	27 ft
15 ft	1 fc	34 ft	34 ft