



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-D3-I7-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00174

Test Date

Wed Oct 03 10:40:03 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D3-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:	5.85 W
Lumens:	564.00 lm
Efficiency:	N/A
Efficacy:	94.39 lm/W

Spacing Criterion

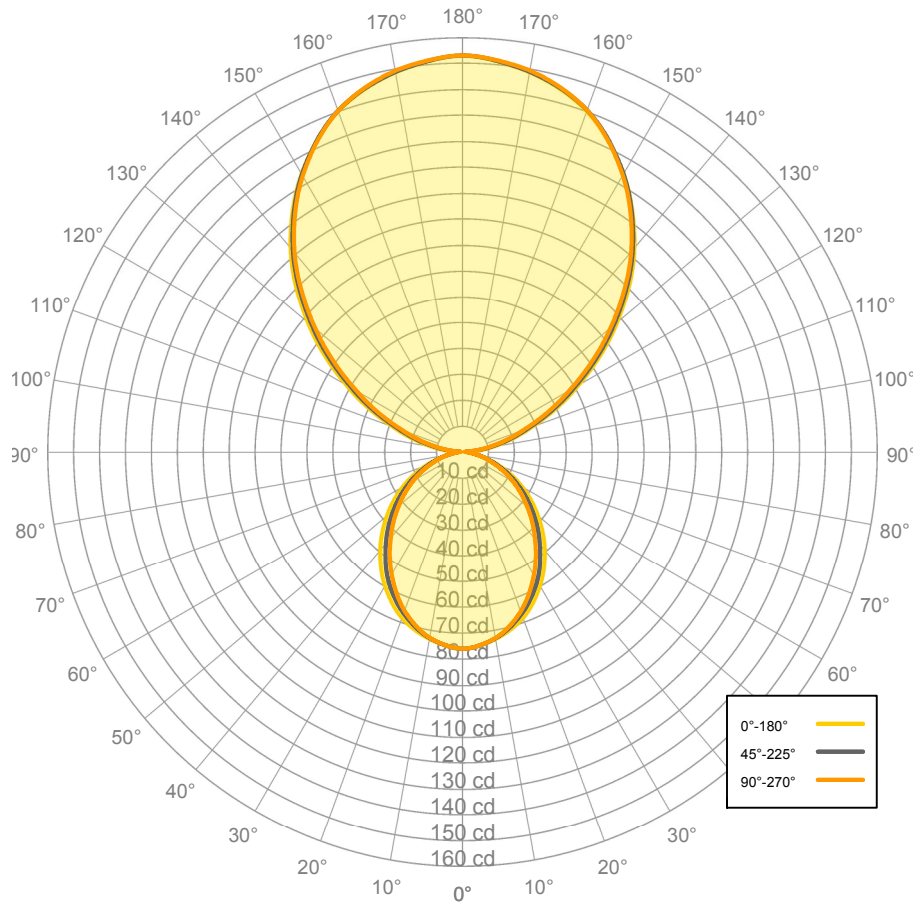
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.09
Four luminaires	1.24

Full Beam Angle

0° - 180°	360°
90° - 270°	360°

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°	12.80	2.27%	90° - 100°	6.46	1.14%
10° - 20°	19.48	3.45%	100° - 110°	19.76	3.50%
20° - 30°	28.24	5.01%	100° - 120°	57.25	10.15%
30° - 40°	32.03	5.68%	120° - 130°	55.56	9.85%
40° - 50°	30.96	5.49%	130° - 140°	68.00	12.06%
50° - 60°	26.00	4.61%	140° - 150°	69.98	12.41%
60° - 70°	18.18	3.22%	150° - 160°	60.25	10.68%
70° - 80°	9.35	1.66%	160° - 170°	40.46	7.17%
80° - 90°	3.12	0.55%	170° - 180°	25.89	4.59%
0° - 90°	180.15	31.94%	0° - 180°	564.00	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	76.13	76.13	76.13	76.13	76.13
10.00°	73.40	74.03	73.17	73.08	73.06
20.00°	68.29	67.71	66.57	65.74	65.55
30.00°	59.79	59.28	57.52	55.74	54.92
40.00°	49.36	48.31	46.23	44.26	43.30
50.00°	37.98	36.98	34.81	32.94	32.21
60.00°	26.56	25.61	23.65	22.12	21.92
70.00°	15.10	14.35	13.02	12.22	12.11
80.00°	4.89	4.73	4.52	4.56	4.66
90.00°	1.41	1.34	1.10	0.94	0.86
100.00°	11.81	11.51	10.85	10.14	9.81
110.00°	28.42	28.15	27.13	25.98	25.44
120.00°	51.61	51.00	49.74	48.43	47.79
130.00°	77.85	77.42	76.13	75.21	74.51
140.00°	103.17	103.09	102.21	101.78	101.25
150.00°	124.14	124.31	124.15	123.92	123.53
160.00°	140.15	140.37	140.47	140.09	140.43
170.00°	148.97	148.93	149.09	149.08	149.57
180.00°	153.14	153.14	153.14	153.14	153.14

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,833	9,833	9,833
45.00°	4,909	2,674	2,399
55.00°	3,840	1,868	1,657
65.00°	2,720	1,170	1,036
75.00°	1,497	576	523
85.00°	573	196	182



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	580	580	580	580	522	522	522	522	413	413	413	314	314	314	223	223	223	180
	1	530	506	486	467	476	457	439	423	363	351	341	278	270	263	199	194	190	154
	2	483	444	411	384	434	401	373	350	320	301	284	245	233	222	176	169	162	131
	3	442	391	352	321	396	354	320	293	283	260	240	218	202	189	158	148	140	113
	4	404	347	304	272	363	314	278	249	252	226	206	195	177	163	142	131	122	98
	5	371	309	265	233	333	280	243	215	226	199	178	176	157	142	128	117	107	86
	6	342	277	234	202	307	252	214	186	204	176	155	159	140	125	117	105	95	77
	7	316	250	207	177	284	228	190	164	185	157	137	145	125	111	108	95	85	69
	8	293	227	185	156	264	207	170	145	169	141	122	133	113	99	99	86	77	63
	9	273	207	166	139	246	189	153	129	155	128	109	123	103	89	92	79	70	57
10	255	190	151	125	230	174	139	116	143	117	98	113	95	81	86	73	64	53	

Cone of Light

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