



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-I3-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00172

Test Date

Tue Oct 02 13:51:52 2018

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Picasso Lighting Industries, LLC.

ANL-P-6in-D3-I3-30-80-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:	3.95 W
Lumens:	359.11 lm
Efficiency:	N/A
Efficacy:	89.06 lm/W

Spacing Criterion

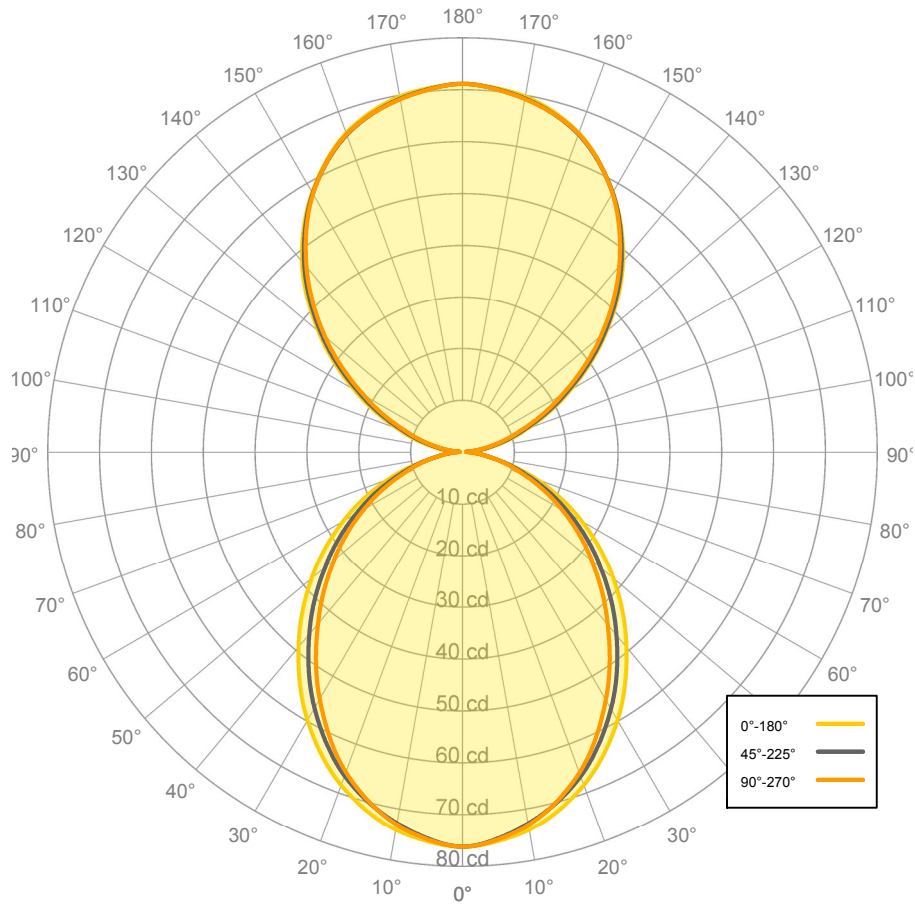
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.1
Four luminaires	1.23

Full Beam Angle

0° - 180°	263.2°
90° - 270°	265.44°

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°	12.81	3.57%	90° - 100°	3.11	0.87%
10° - 20°	19.50	5.43%	100° - 110°	9.21	2.56%
20° - 30°	28.26	7.87%	100° - 120°	26.70	7.44%
30° - 40°	32.02	8.92%	120° - 130°	25.96	7.23%
40° - 50°	30.95	8.62%	130° - 140°	31.73	8.84%
50° - 60°	26.00	7.24%	140° - 150°	32.64	9.09%
60° - 70°	18.19	5.06%	150° - 160°	28.09	7.82%
70° - 80°	9.37	2.61%	160° - 170°	18.84	5.25%
80° - 90°	2.91	0.81%	170° - 180°	12.04	3.35%
0° - 90°	180.00	50.13%	0° - 180°	359.11	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	76.28	76.28	76.28	76.28	76.28
10.00°	74.10	73.66	72.96	73.07	73.24
20.00°	68.41	67.64	66.70	66.06	65.96
30.00°	59.79	59.17	57.28	55.88	55.27
40.00°	49.16	48.27	46.17	44.25	43.53
50.00°	37.95	36.96	34.74	32.94	32.40
60.00°	26.54	25.55	23.61	22.24	21.86
70.00°	15.15	14.28	13.08	12.28	12.11
80.00°	4.93	4.76	4.53	4.58	4.68
90.00°	0.79	0.80	0.72	0.63	0.60
100.00°	5.47	5.38	5.07	4.71	4.60
110.00°	13.27	13.12	12.64	12.09	11.82
120.00°	24.03	23.87	23.32	22.53	22.31
130.00°	36.23	36.15	35.75	35.08	34.81
140.00°	48.16	48.00	47.70	47.44	47.05
150.00°	57.97	58.11	57.87	57.75	57.77
160.00°	65.59	65.30	65.29	65.28	65.40
170.00°	69.75	69.33	69.32	69.40	69.20
180.00°	71.10	71.10	71.10	71.10	71.10

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,853	9,853	9,853
45.00°	4,896	2,670	2,412
55.00°	3,837	1,864	1,661
65.00°	2,722	1,170	1,034
75.00°	1,504	578	524
85.00°	520	183	174



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	385	385	385	385	355	355	355	355	300	300	300	249	249	249	202	202	202	180
	1	352	337	324	312	325	312	300	290	264	256	248	221	215	209	180	176	173	154
	2	322	296	275	257	296	274	256	240	233	220	208	195	186	177	160	154	148	131
	3	295	262	236	216	271	243	220	202	207	190	176	174	162	151	143	135	127	113
	4	270	233	205	184	249	216	192	173	185	166	152	156	142	131	129	119	111	98
	5	249	208	180	159	229	194	169	150	166	147	132	141	126	115	117	107	98	87
	6	230	187	159	139	212	175	150	131	151	131	116	128	113	102	107	96	87	77
	7	213	170	142	122	197	159	134	116	137	118	103	117	102	91	99	87	78	69
	8	198	155	128	109	183	145	120	103	126	106	92	108	93	82	91	80	71	63
	9	185	142	116	98	171	133	109	93	116	97	84	100	85	74	85	73	65	57
10	173	131	105	88	160	123	100	84	107	89	76	93	78	68	79	68	60	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