



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-PS-6in-D7-30-80-OW-W

ANELLO - 6" Module Pendant/Surface Direct - Opal Lens

Test Number

IES-P00183

Test Date

Mon Oct 08 08:33:30 2018

The results contained in this report pertain only to the tested sample.
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ANL-PS-6in-D7-30-80-OW-W
ANELLO - 6" Module Pendant/Surface Direct - Opal Lens
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:	4.49 W
Lumens:	378.19 lm
Efficiency:	N/A
Efficacy:	83.83 lm/W

Spacing Criterion

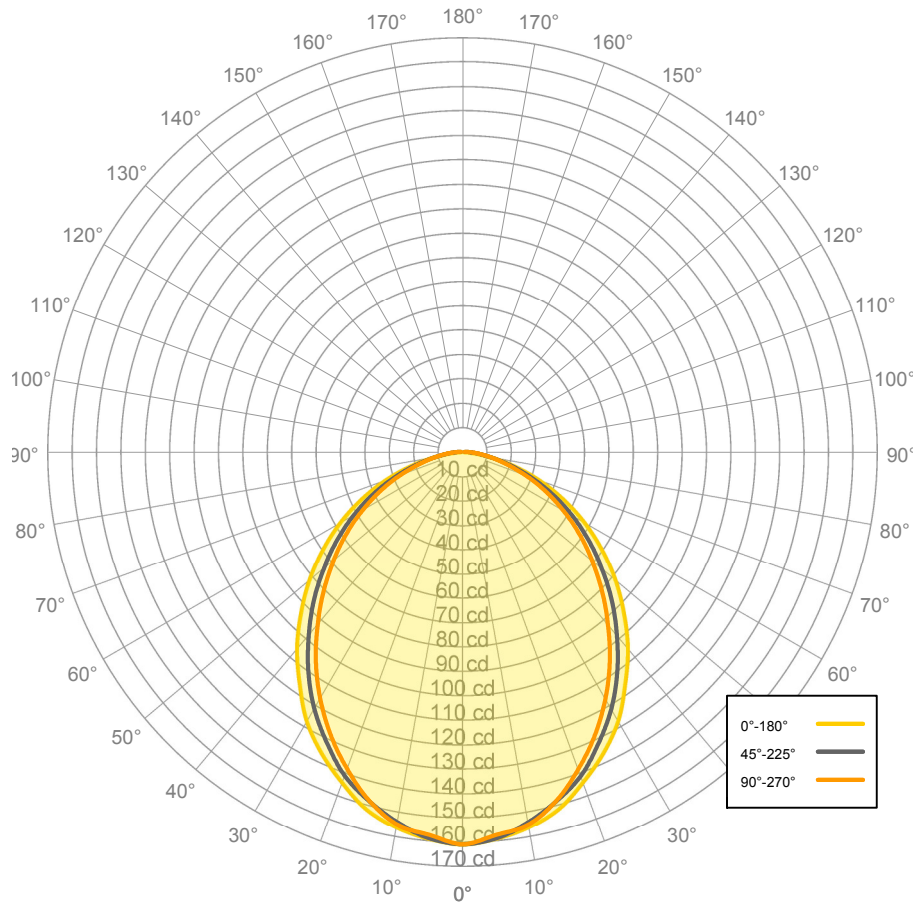
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	101.04°
90° - 270°	90.19°

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°	18.06	4.78%	90° - 100°	0.22	0.06%
10° - 20°	41.81	11.06%	100° - 110°	0.00	0.00%
20° - 30°	60.60	16.02%	100° - 120°	0.00	0.00%
30° - 40°	68.91	18.22%	120° - 130°	0.00	0.00%
40° - 50°	66.80	17.66%	130° - 140°	0.00	0.00%
50° - 60°	56.45	14.93%	140° - 150°	0.00	0.00%
60° - 70°	39.88	10.55%	150° - 160°	0.00	0.00%
70° - 80°	20.32	5.37%	160° - 170°	0.00	0.00%
80° - 90°	5.34	1.41%	170° - 180°	0.00	0.00%
0° - 90°	378.19	100.00%	0° - 180°	378.19	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	161.16	161.16	161.16	161.16	161.16
5.00°	159.46	160.25	159.26	157.74	157.85
10.00°	156.49	155.46	154.57	154.75	155.53
15.00°	151.88	150.33	148.56	147.89	148.40
20.00°	144.30	143.14	141.67	139.33	138.69
25.00°	136.49	135.01	131.97	129.23	128.36
30.00°	127.61	125.58	121.94	118.43	117.09
35.00°	116.29	114.96	110.54	106.40	105.21
40.00°	105.48	103.14	98.40	94.26	92.68
45.00°	93.54	91.28	86.55	82.37	80.80
50.00°	81.83	79.58	74.42	70.56	69.13
55.00°	69.76	67.35	62.80	59.04	58.03
60.00°	57.79	55.52	51.33	47.89	47.00
65.00°	45.51	43.55	39.87	37.07	36.52
70.00°	33.36	31.72	28.66	26.82	26.31
75.00°	21.69	20.45	18.46	17.35	17.08
80.00°	11.24	10.63	9.87	9.97	10.10
85.00°	3.60	3.90	4.42	4.70	4.76
90.00°	0.48	0.86	0.87	0.82	0.78

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	20,817	20,817	20,817
45.00°	17,087	15,810	14,760
55.00°	15,710	14,142	13,068
65.00°	13,909	12,186	11,162
75.00°	10,825	9,213	8,524
85.00°	5,335	6,551	7,054



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	450	450	450	450	440	440	440	440	420	420	420	402	402	402	386	386	386	378
	1	414	397	382	369	404	389	375	363	373	362	351	358	349	340	345	337	330	323
	2	379	350	325	305	369	342	320	301	329	310	294	317	301	287	305	293	281	273
	3	347	309	280	257	338	304	276	255	292	269	250	282	262	246	272	256	241	234
	4	319	276	244	220	311	271	242	219	262	236	216	253	231	213	245	226	210	202
	5	295	248	216	192	287	244	213	191	236	209	188	229	205	186	222	201	184	177
	6	273	225	192	169	266	221	190	168	215	187	167	208	184	165	202	181	164	156
	7	254	205	173	150	248	202	171	150	196	169	149	191	166	148	186	164	147	139
	8	237	188	157	135	232	185	156	135	180	153	134	176	151	133	171	149	132	125
	9	222	173	143	123	217	171	142	122	167	140	122	163	138	121	159	137	120	114
10	209	160	131	112	204	158	131	112	155	129	111	151	128	111	148	126	110	104	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	4 fc	13 ft	13 ft
8 ft	3 fc	18 ft	18 ft
10 ft	2 fc	22 ft	22 ft
12 ft	1 fc	27 ft	27 ft
15 ft	1 fc	33 ft	33 ft