



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-12in-D5-30-80-OW-W
ANELLO - 12" Module Pendant/Surface Direct - Opal Lens

Test Number

IES-P00185

Test Date

Mon Oct 08 12:00:38 2018

The results contained in this report pertain only to the tested sample.
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ANL-PS-12in-D5-30-80-OW-W
ANELLO - 12" 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:	6.02 W
Lumens:	502.37 lm
Efficiency:	N/A
Efficacy:	82.99 lm/W

Spacing Criterion

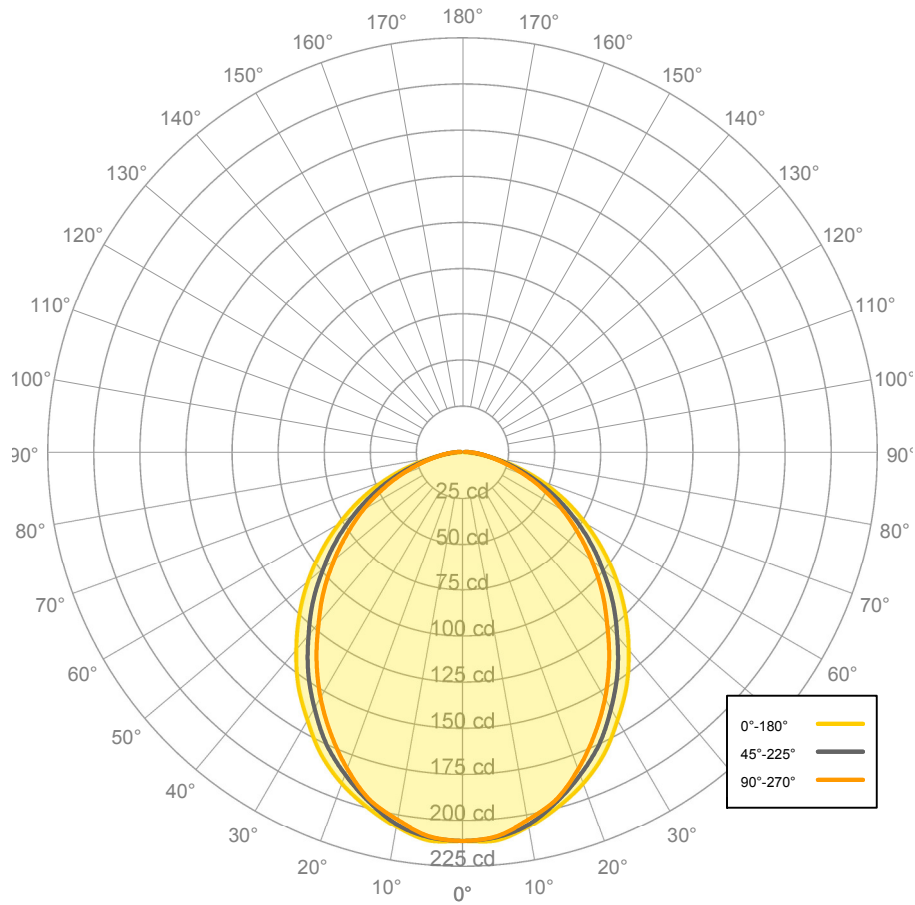
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.25

Full Beam Angle

0° - 180°	102.11°
90° - 270°	90.57°

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°	23.84	4.75%	90° - 100°	0.31	0.06%
10° - 20°	55.32	11.01%	100° - 110°	0.00	0.00%
20° - 30°	80.27	15.98%	100° - 120°	0.00	0.00%
30° - 40°	91.27	18.17%	120° - 130°	0.00	0.00%
40° - 50°	88.72	17.66%	130° - 140°	0.00	0.00%
50° - 60°	75.13	14.95%	140° - 150°	0.00	0.00%
60° - 70°	53.24	10.60%	150° - 160°	0.00	0.00%
70° - 80°	27.34	5.44%	160° - 170°	0.00	0.00%
80° - 90°	7.24	1.44%	170° - 180°	0.00	0.00%
0° - 90°	502.37	100.00%	0° - 180°	502.37	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	211.47	211.47	211.47	211.47	211.47
5.00°	211.91	209.87	210.27	209.20	209.77
10.00°	206.69	205.01	205.79	204.75	203.19
15.00°	199.58	198.96	196.97	195.95	195.76
20.00°	191.46	190.20	186.78	184.74	183.48
25.00°	181.26	179.04	175.37	170.99	169.47
30.00°	168.13	166.65	161.12	156.80	154.58
35.00°	155.19	152.12	146.50	140.62	138.57
40.00°	140.24	137.39	130.44	124.94	121.92
45.00°	125.07	121.78	115.19	108.69	106.85
50.00°	109.35	106.13	99.06	93.16	91.11
55.00°	93.28	90.29	83.65	78.45	76.07
60.00°	77.06	74.89	68.16	63.38	61.92
65.00°	61.30	58.68	53.11	49.02	47.89
70.00°	45.38	42.97	38.53	35.53	34.62
75.00°	29.83	27.84	24.81	22.94	22.62
80.00°	15.73	14.70	13.36	13.08	13.22
85.00°	5.27	5.44	5.92	6.21	6.18
90.00°	0.89	1.21	1.19	1.10	1.08

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	13,657	13,657	13,657
45.00°	11,423	10,521	9,759
55.00°	10,503	9,419	8,565
65.00°	9,368	8,116	7,318
75.00°	7,444	6,191	5,644
85.00°	3,905	4,387	4,579



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	598	598	598	598	584	584	584	584	558	558	558	535	535	535	513	513	513	502
	1	550	528	508	489	537	516	498	481	495	480	466	475	463	452	457	448	438	428
	2	503	464	432	404	490	455	425	400	437	412	390	421	400	381	405	388	373	362
	3	461	411	372	341	449	403	367	338	388	357	332	374	348	326	362	339	320	310
	4	424	366	324	292	413	360	320	290	347	313	286	336	306	282	325	299	278	268
	5	391	329	286	254	381	324	283	253	313	277	250	303	272	247	294	267	244	234
	6	363	298	255	224	353	293	252	223	284	248	221	276	244	219	268	239	217	207
	7	337	272	229	199	329	268	227	199	260	224	197	253	220	196	246	217	194	185
	8	315	249	208	179	307	246	206	179	239	203	178	233	200	176	227	198	175	166
	9	295	230	189	162	288	227	188	162	221	186	161	216	183	160	211	181	160	151
10	277	213	174	148	271	210	173	148	205	171	147	201	169	147	196	167	146	137	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	6 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	34 ft	34 ft