



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-12in-D3-I7-30-80-OW-MC-W
ANELLO - 12" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00165

Test Date

Wed Oct 03 13:45:04 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-12in-D3-I7-30-80-OW-MC-W
ANELLO - 12" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses
LED (3000K, 80+ CRI)

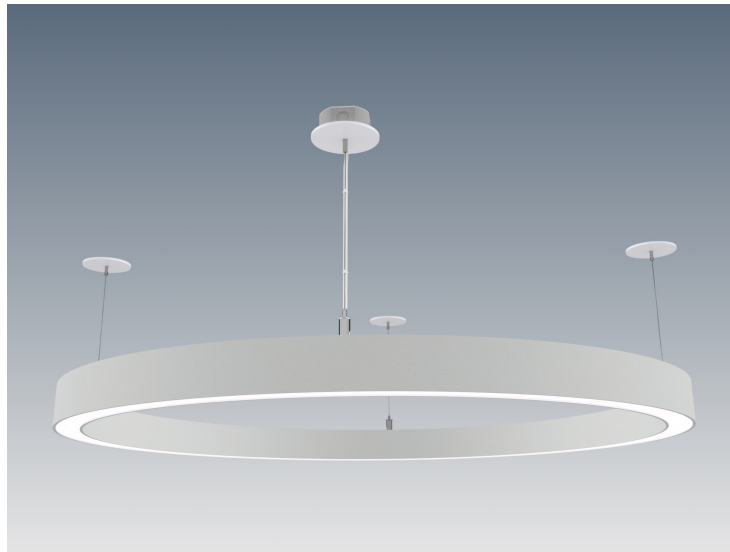


Image may differ slightly from actual unit.

For Lighting Calculations, Plot Modules Along Luminaire Diameter.
Consult Picasso For Module Qty. & Centerline Diameter.

Summary of Results

Output:

Watts:	11.62 W
Lumens:	1,130.45 lm
Efficiency:	N/A
Efficacy:	95.18 lm/W

Spacing Criterion

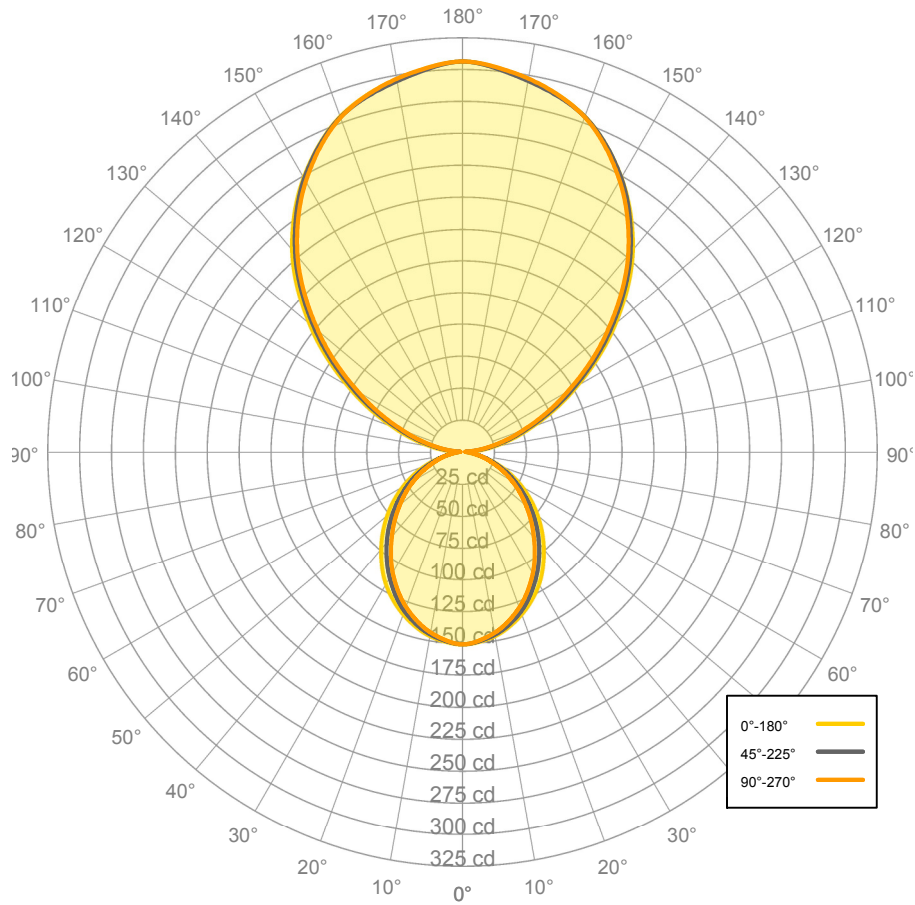
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	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°	25.43	2.25%	90° - 100°	13.16	1.16%
10° - 20°	38.83	3.44%	100° - 110°	39.93	3.53%
20° - 30°	56.40	4.99%	100° - 120°	115.34	10.20%
30° - 40°	64.09	5.67%	120° - 130°	111.43	9.86%
40° - 50°	62.08	5.49%	130° - 140°	136.20	12.05%
50° - 60°	52.26	4.62%	140° - 150°	140.05	12.39%
60° - 70°	36.79	3.25%	150° - 160°	120.36	10.65%
70° - 80°	19.16	1.69%	160° - 170°	80.66	7.14%
80° - 90°	6.51	0.58%	170° - 180°	51.69	4.57%
0° - 90°	361.55	31.98%	0° - 180°	1,130.45	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	151.17	151.17	151.17	151.17	151.17
10.00°	146.89	146.71	145.74	145.15	144.23
20.00°	135.82	135.64	133.45	131.36	129.89
30.00°	120.01	118.55	114.56	111.02	109.93
40.00°	99.10	97.32	92.83	88.19	86.56
50.00°	76.87	74.28	69.94	65.71	64.29
60.00°	53.86	51.88	47.75	44.33	43.47
70.00°	31.28	29.66	26.62	24.57	23.97
80.00°	10.48	10.01	9.41	9.27	9.30
90.00°	3.25	2.89	2.30	1.86	1.76
100.00°	24.18	23.66	21.98	20.30	19.76
110.00°	57.86	57.05	54.62	52.04	51.26
120.00°	103.59	103.00	100.21	96.48	95.46
130.00°	156.55	155.96	152.73	149.99	148.53
140.00°	207.76	206.63	204.95	202.88	201.99
150.00°	248.90	249.51	248.54	247.14	246.03
160.00°	280.23	279.59	279.90	279.86	279.61
170.00°	297.16	297.63	295.52	298.04	297.43
180.00°	306.35	306.35	306.35	306.35	306.35

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,763	9,763	9,763
45.00°	6,123	2,919	2,396
55.00°	5,089	2,065	1,650
65.00°	3,895	1,316	1,026
75.00°	2,405	664	519
85.00°	1,113	232	183



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	ptc	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	1,163	1,163	1,163	1,163	1,046	1,046	1,046	1,046	829	829	829	630	630	630	447	447	447	362
	1	1,062	1,015	973	935	954	915	880	848	728	704	683	556	541	527	398	389	381	308
	2	969	889	823	768	869	803	747	700	641	602	569	491	466	444	353	338	325	262
	3	885	783	705	642	794	708	641	587	567	520	481	437	405	378	315	296	279	226
	4	810	694	609	544	727	629	556	499	505	453	411	390	355	326	284	262	243	196
	5	744	619	531	467	668	561	486	429	453	398	356	352	314	284	257	233	214	173
	6	685	555	467	405	615	504	428	373	408	352	311	319	280	250	235	209	190	154
	7	633	501	415	354	569	456	381	327	370	315	274	290	251	222	215	190	170	138
	8	587	454	370	313	529	414	341	290	338	283	244	266	227	198	199	173	154	125
9	547	414	333	278	493	378	307	258	310	256	218	245	207	179	184	159	140	114	
10	511	380	302	250	461	348	278	232	286	233	197	227	189	162	172	146	128	105	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	4 fc	0 ft	0 ft
8 ft	2 fc	0 ft	0 ft
10 ft	2 fc	0 ft	0 ft
12 ft	1 fc	0 ft	0 ft
15 ft	1 fc	0 ft	0 ft