



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-D3-30-80-OW-W
ANELLO - 12" Module Pendant/Surface Direct - Opal Lens

Test Number

IES-P00184

Test Date

Mon Oct 08 11:47:54 2018

The results contained in this report pertain only to the tested sample.
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ANL-PS-12in-D3-30-80-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:	4.31 W
Lumens:	351.68 lm
Efficiency:	N/A
Efficacy:	81.17 lm/W

Spacing Criterion

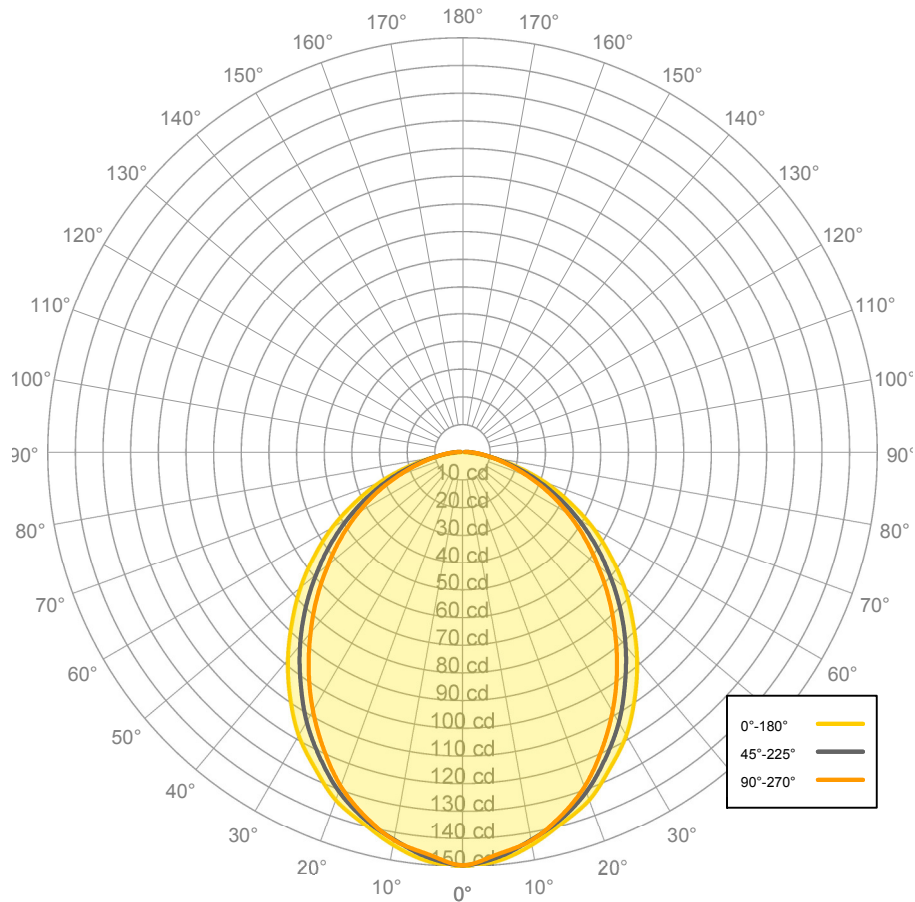
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	101.34°
90° - 270°	89.85°

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°	16.72	4.75%	90° - 100°	0.21	0.06%
10° - 20°	38.71	11.01%	100° - 110°	0.00	0.00%
20° - 30°	56.16	15.97%	100° - 120°	0.00	0.00%
30° - 40°	64.00	18.20%	120° - 130°	0.00	0.00%
40° - 50°	62.06	17.65%	130° - 140°	0.00	0.00%
50° - 60°	52.58	14.95%	140° - 150°	0.00	0.00%
60° - 70°	37.27	10.60%	150° - 160°	0.00	0.00%
70° - 80°	19.12	5.44%	160° - 170°	0.00	0.00%
80° - 90°	5.05	1.44%	170° - 180°	0.00	0.00%
0° - 90°	351.68	100.00%	0° - 180°	351.68	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	149.80	149.80	149.80	149.80	149.80
5.00°	148.59	148.36	147.44	145.68	146.34
10.00°	144.54	144.19	142.76	142.39	142.95
15.00°	139.13	139.78	137.76	137.55	136.78
20.00°	134.01	132.62	131.07	128.63	129.08
25.00°	126.21	125.22	122.39	119.51	119.11
30.00°	118.44	116.81	113.09	109.71	108.52
35.00°	108.62	106.94	102.42	98.61	97.33
40.00°	98.21	96.26	91.75	87.38	85.83
45.00°	87.11	84.83	80.69	76.03	74.73
50.00°	76.39	74.23	69.47	65.02	63.71
55.00°	65.28	63.14	58.48	54.92	53.50
60.00°	54.42	52.19	47.78	44.37	43.41
65.00°	42.77	41.03	37.13	34.42	33.66
70.00°	31.88	30.06	27.03	24.80	24.08
75.00°	20.72	19.48	17.33	16.10	15.94
80.00°	10.92	10.22	9.32	9.18	9.28
85.00°	3.63	3.77	4.16	4.36	4.33
90.00°	0.62	0.84	0.79	0.77	0.76

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,675	9,675	9,675
45.00°	7,956	7,370	6,825
55.00°	7,350	6,585	6,024
65.00°	6,536	5,674	5,144
75.00°	5,170	4,324	3,978
85.00°	2,690	3,083	3,209



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	419	419	419	419	409	409	409	409	391	391	391	374	374	374	359	359	359	352
	1	385	369	355	343	376	361	349	337	347	336	326	333	324	316	320	313	307	300
	2	352	325	302	283	343	318	297	280	306	288	273	294	280	267	284	272	261	254
	3	323	288	260	238	314	282	257	236	272	250	232	262	244	228	253	238	224	217
	4	297	256	227	204	289	252	224	203	243	219	200	235	214	197	227	210	195	187
	5	274	231	200	178	267	227	198	177	219	194	175	212	190	173	206	187	171	164
	6	254	209	178	157	247	205	177	156	199	174	155	193	171	153	188	168	152	145
	7	236	190	160	140	230	187	159	139	182	157	138	177	154	137	172	152	136	129
	8	220	174	145	125	215	172	144	125	167	142	124	163	140	124	159	138	123	116
	9	207	161	133	114	202	159	132	113	155	130	113	151	128	112	147	127	112	105
10	194	149	122	104	190	147	121	104	144	120	103	140	118	103	137	117	102	96	

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	2 fc	18 ft	18 ft
10 ft	1 fc	22 ft	22 ft
12 ft	1 fc	27 ft	27 ft
15 ft	1 fc	33 ft	33 ft