



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-I5-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00173

Test Date

Wed Oct 03 10:53:04 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D3-I5-30-80-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:	4.64 W
Lumens:	436.05 lm
Efficiency:	N/A
Efficacy:	91.94 lm/W

Spacing Criterion

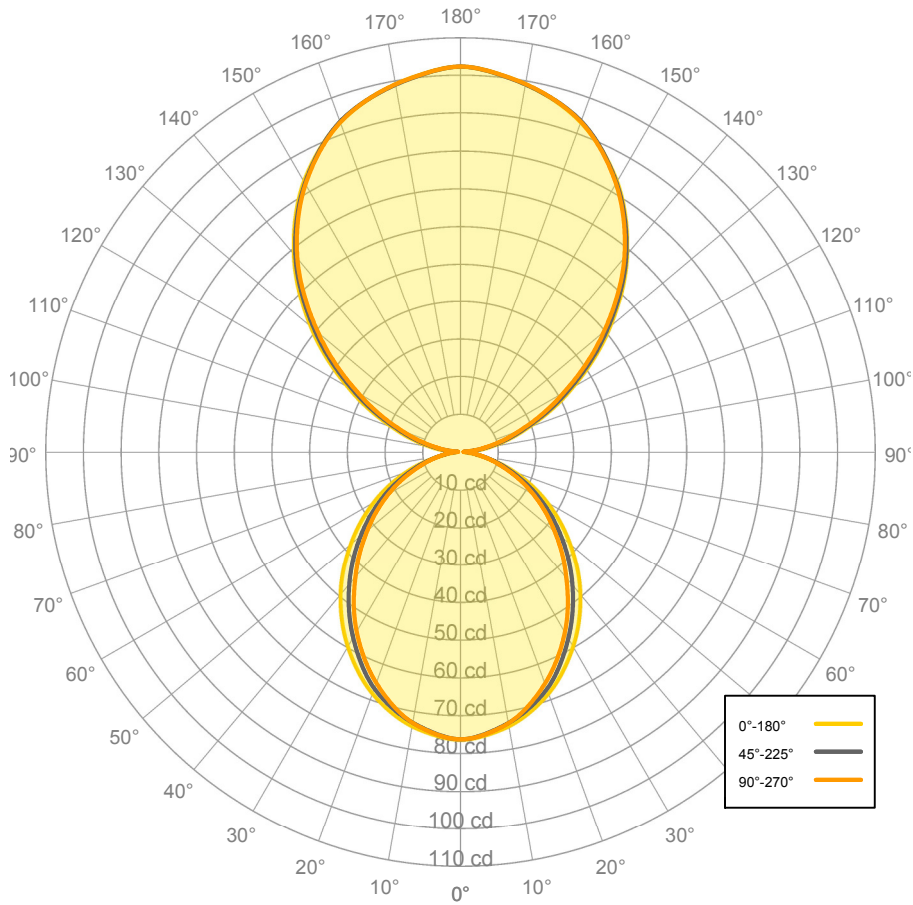
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.09
Four luminaires	1.23

Full Beam Angle

0° - 180°	259.24°
90° - 270°	261.76°

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°	12.82	2.94%	90° - 100°	4.38	1.00%
10° - 20°	19.51	4.47%	100° - 110°	13.18	3.02%
20° - 30°	28.24	6.48%	100° - 120°	38.18	8.76%
30° - 40°	32.00	7.34%	120° - 130°	37.06	8.50%
40° - 50°	30.94	7.09%	130° - 140°	45.36	10.40%
50° - 60°	25.99	5.96%	140° - 150°	46.68	10.70%
60° - 70°	18.21	4.18%	150° - 160°	40.15	9.21%
70° - 80°	9.38	2.15%	160° - 170°	26.92	6.17%
80° - 90°	2.99	0.69%	170° - 180°	17.25	3.96%
0° - 90°	180.07	41.30%	0° - 180°	436.05	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	76.40	76.40	76.40	76.40	76.40
10.00°	73.94	73.74	73.16	72.94	73.21
20.00°	68.27	67.72	67.02	66.06	65.47
30.00°	59.73	58.87	57.15	55.87	55.31
40.00°	49.46	48.30	46.12	44.24	43.58
50.00°	37.96	36.97	34.66	32.83	32.32
60.00°	26.52	25.65	23.61	22.24	21.89
70.00°	15.16	14.40	13.08	12.29	12.02
80.00°	4.93	4.72	4.56	4.58	4.64
90.00°	1.02	0.99	0.88	0.75	0.72
100.00°	7.84	7.71	7.24	6.77	6.61
110.00°	18.95	18.79	18.07	17.31	16.95
120.00°	34.35	34.06	33.23	32.33	31.68
130.00°	51.83	51.69	50.91	50.12	49.58
140.00°	68.76	68.50	68.39	67.91	67.63
150.00°	83.05	82.94	82.65	82.66	82.38
160.00°	93.24	93.41	93.48	93.39	93.28
170.00°	99.21	99.19	99.08	98.98	99.20
180.00°	102.33	102.33	102.33	102.33	102.33

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,868	9,868	9,868
45.00°	4,914	2,666	2,411
55.00°	3,836	1,861	1,660
65.00°	2,722	1,170	1,032
75.00°	1,504	579	520
85.00°	541	190	177



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	458	458	458	458	418	418	418	418	342	342	342	273	273	273	210	210	210	180
	1	419	401	385	370	382	366	352	340	301	292	283	242	236	230	187	183	179	154
	2	383	352	326	304	348	322	300	281	266	250	237	214	203	194	166	159	153	131
	3	350	310	279	255	318	284	258	236	236	216	200	191	177	166	149	140	132	113
	4	321	275	242	217	292	253	224	202	210	189	172	171	155	143	134	124	115	98
	5	295	246	212	187	268	226	196	174	189	166	149	154	138	125	122	110	101	87
	6	272	221	187	163	248	204	174	152	171	148	131	140	123	110	111	99	90	77
	7	252	200	166	143	229	185	155	134	155	132	116	128	111	98	102	90	81	69
	8	234	182	149	127	213	168	139	119	142	120	103	117	101	88	94	82	73	63
	9	218	166	135	113	199	154	126	107	131	109	93	108	92	80	88	76	67	57
10	204	153	122	102	187	142	115	96	121	99	84	101	84	73	82	70	61	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