



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-D5-I7-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses

Test Number

IES-P00177

Test Date

Tue Oct 02 15:22:52 2018

The results contained in this report pertain only to the tested sample.
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ANL-P-6in-D5-I7-30-80-OW-MC-W
ANELLO - 6" Module Pendant Direct / Indirect - Opal & Matte Clear Lenses
LED (3000K, 80+ CRI)

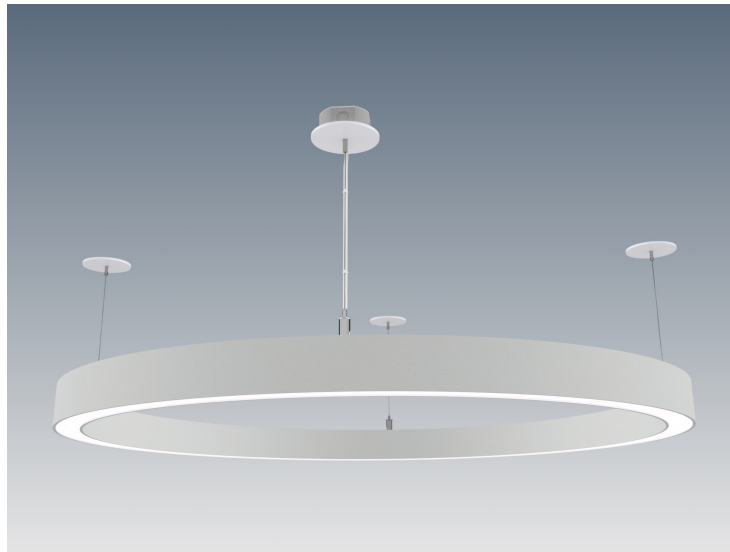


Image may differ slightly from actual unit.

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

Summary of Results

Output:

Watts:	6.7 W
Lumens:	641.14 lm
Efficiency:	N/A
Efficacy:	93.59 lm/W

Spacing Criterion

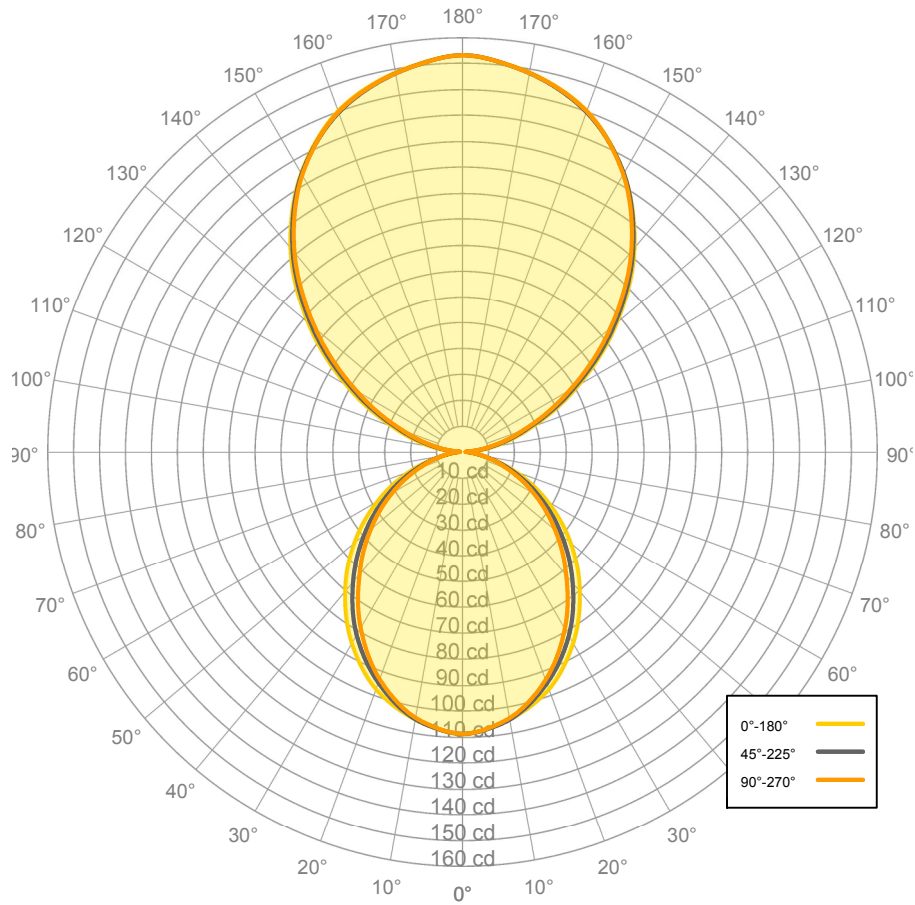
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.09
Four luminaires	1.23

Full Beam Angle

0° - 180°	259.17°
90° - 270°	261.66°

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°	18.31	2.86%	90° - 100°	6.53	1.02%
10° - 20°	27.85	4.34%	100° - 110°	19.75	3.08%
20° - 30°	40.33	6.29%	100° - 120°	57.27	8.93%
30° - 40°	45.74	7.13%	120° - 130°	55.59	8.67%
40° - 50°	44.26	6.90%	130° - 140°	67.99	10.60%
50° - 60°	37.15	5.79%	140° - 150°	70.03	10.92%
60° - 70°	25.98	4.05%	150° - 160°	60.23	9.39%
70° - 80°	13.39	2.09%	160° - 170°	40.35	6.29%
80° - 90°	4.28	0.67%	170° - 180°	25.86	4.03%
0° - 90°	257.28	40.13%	0° - 180°	641.14	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	108.98	108.98	108.98	108.98	108.98
10.00°	104.84	105.23	105.06	104.32	104.46
20.00°	97.49	96.85	95.14	94.32	93.70
30.00°	85.34	84.08	81.98	79.82	78.87
40.00°	70.40	69.14	66.00	63.23	62.11
50.00°	54.45	52.96	49.64	46.97	46.32
60.00°	37.83	36.53	33.75	31.65	31.19
70.00°	21.63	20.57	18.72	17.47	17.27
80.00°	7.00	6.76	6.44	6.57	6.68
90.00°	1.47	1.49	1.26	1.08	1.01
100.00°	11.86	11.55	10.83	10.09	9.84
110.00°	28.37	28.23	27.00	25.96	25.43
120.00°	51.57	51.24	49.84	48.43	47.79
130.00°	77.71	77.45	76.46	74.91	74.40
140.00°	103.21	102.99	102.42	101.59	101.30
150.00°	124.44	124.54	124.37	123.85	123.91
160.00°	140.25	140.19	139.68	139.90	140.01
170.00°	148.88	148.64	148.54	148.59	148.58
180.00°	153.26	153.26	153.26	153.26	153.26

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	14,077	14,077	14,077
45.00°	7,017	3,816	3,445
55.00°	5,490	2,664	2,373
65.00°	3,883	1,674	1,475
75.00°	2,144	826	747
85.00°	771	269	254



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	672	672	672	672	612	612	612	612	499	499	499	396	396	396	302	302	302	257
	1	614	588	564	542	559	536	516	497	439	425	413	351	341	333	269	263	258	220
	2	561	515	478	446	509	471	439	412	387	364	345	310	295	281	239	229	220	187
	3	513	455	410	374	466	416	377	346	343	315	292	276	256	240	214	201	190	161
	4	470	404	355	318	427	370	328	295	306	275	250	247	225	207	192	178	165	140
	5	432	360	310	273	392	331	287	254	275	242	217	223	200	181	175	158	146	124
	6	399	324	274	238	362	298	254	222	249	215	191	203	178	160	159	143	130	110
	7	369	293	244	209	336	270	226	195	226	193	169	185	160	142	147	129	116	99
	8	343	266	218	185	312	246	203	174	207	174	150	170	146	128	135	118	105	90
	9	319	243	197	166	291	225	184	155	190	158	135	157	133	115	126	109	96	82
10	299	224	179	149	273	207	167	140	175	144	123	146	122	105	117	100	88	75	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	3 fc	0 ft	0 ft
8 ft	2 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