



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-6in-D5-30-80-OW-W
ANELLO - 6" Module Pendant/Surface Direct - Opal Lens

Test Number

IES-P00182

Test Date

Mon Oct 08 09:45:02 2018

The results contained in this report pertain only to the tested sample.
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ANL-PS-6in-D5-30-80-OW-W
ANELLO - 6" Module Pendant/Surface Direct - Opal Lens
LED (3000K, 80+ CRI)

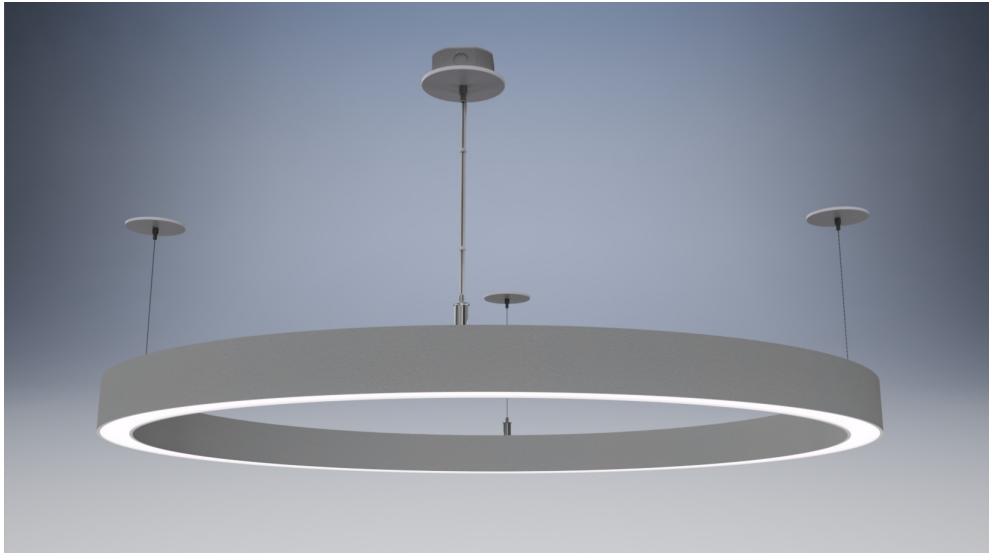


Image may differ slightly from actual unit.

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

Summary of Results

Output:

Watts:	3.01 W
Lumens:	252.31 lm
Efficiency:	N/A
Efficacy:	83.36 lm/W

Spacing Criterion

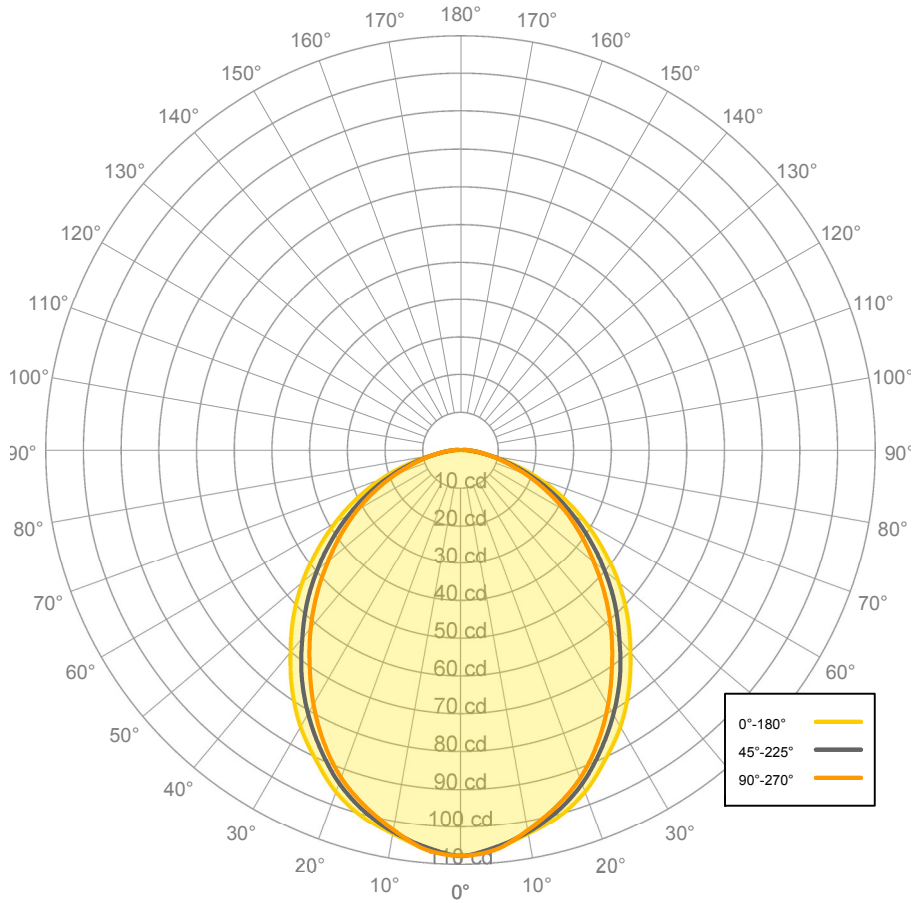
Two luminaires, plane 0°	1.17
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	100.92°
90° - 270°	90.1°

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°	12.05	4.78%	90° - 100°	0.15	0.06%
10° - 20°	27.87	11.05%	100° - 110°	0.00	0.00%
20° - 30°	40.42	16.02%	100° - 120°	0.00	0.00%
30° - 40°	45.96	18.21%	120° - 130°	0.00	0.00%
40° - 50°	44.58	17.67%	130° - 140°	0.00	0.00%
50° - 60°	37.65	14.92%	140° - 150°	0.00	0.00%
60° - 70°	26.63	10.55%	150° - 160°	0.00	0.00%
70° - 80°	13.60	5.39%	160° - 170°	0.00	0.00%
80° - 90°	3.57	1.41%	170° - 180°	0.00	0.00%
0° - 90°	252.31	100.00%	0° - 180°	252.31	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	107.88	107.88	107.88	107.88	107.88
5.00°	106.25	106.23	105.99	106.24	106.64
10.00°	103.52	103.73	103.12	103.13	102.60
15.00°	100.72	100.35	99.40	98.50	98.10
20.00°	96.52	95.72	94.37	92.90	92.82
25.00°	90.71	89.94	87.98	86.21	85.97
30.00°	84.81	83.70	81.10	79.22	78.24
35.00°	77.79	76.69	73.69	70.96	70.00
40.00°	70.11	68.76	65.53	62.96	62.06
45.00°	62.62	61.02	57.85	54.73	54.02
50.00°	54.70	53.09	49.86	46.97	45.98
55.00°	46.40	44.96	41.88	39.29	38.64
60.00°	38.31	37.18	34.16	32.07	31.49
65.00°	30.38	29.01	26.59	24.75	24.36
70.00°	22.33	21.22	19.17	17.94	17.56
75.00°	14.65	13.71	12.34	11.54	11.43
80.00°	7.58	7.12	6.60	6.60	6.74
85.00°	2.38	2.57	2.98	3.14	3.17
90.00°	0.32	0.58	0.57	0.56	0.55

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	13,935	13,935	13,935
45.00°	11,439	10,567	9,868
55.00°	10,449	9,431	8,702
65.00°	9,285	8,127	7,445
75.00°	7,311	6,158	5,704
85.00°	3,527	4,416	4,698



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	301	301	301	301	294	294	294	294	280	280	280	268	268	268	257	257	257	252
	1	276	265	255	246	270	259	250	242	249	241	234	239	233	227	230	225	220	215
	2	253	233	217	203	246	228	214	201	220	207	196	211	201	192	204	195	187	182
	3	232	206	187	171	226	202	184	170	195	180	167	188	175	164	182	171	161	156
	4	213	184	163	147	207	181	161	146	175	157	144	169	154	142	163	151	140	135
	5	197	166	144	128	192	163	142	127	158	140	126	153	137	124	148	134	123	118
	6	182	150	128	113	178	148	127	112	143	125	111	139	123	110	135	121	109	104
	7	170	137	115	100	165	135	114	100	131	113	99	127	111	99	124	109	98	93
	8	158	125	104	90	154	124	104	90	120	102	89	117	101	89	114	99	88	84
	9	148	115	95	82	145	114	95	82	111	94	81	108	92	81	106	91	80	76
10	139	107	88	75	136	106	87	75	103	86	74	101	85	74	99	84	74	69	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	3 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	0 fc	33 ft	33 ft