



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-D3-30-80-OW-W
ANELLO - 6" Module Pendant/Surface Direct - Opal Lens

Test Number

IES-P00181

Test Date

Mon Oct 08 10:20:16 2018

The results contained in this report pertain only to the tested sample.
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ANL-PS-6in-D3-30-80-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:	2.15 W
Lumens:	176.62 lm
Efficiency:	N/A
Efficacy:	81.53 lm/W

Spacing Criterion

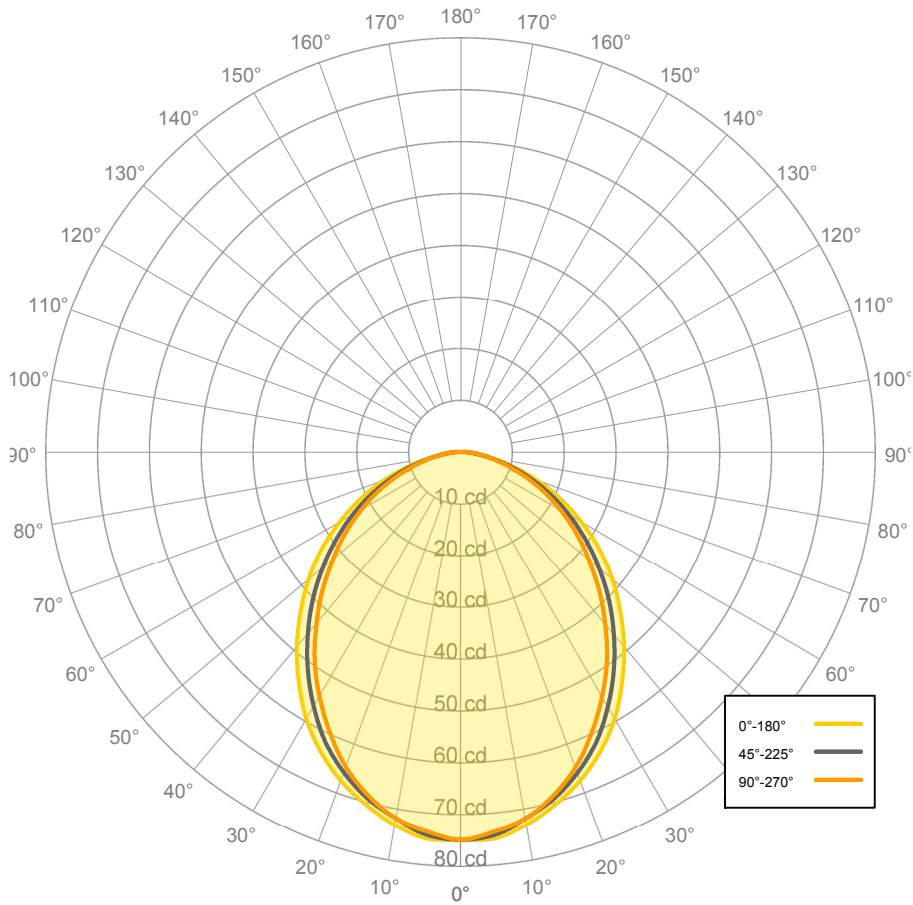
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.1
Four luminaires	1.24

Full Beam Angle

0° - 180°	101.3°
90° - 270°	90.54°

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°	8.42	4.77%	90° - 100°	0.10	0.06%
10° - 20°	19.50	11.04%	100° - 110°	0.00	0.00%
20° - 30°	28.31	16.03%	100° - 120°	0.00	0.00%
30° - 40°	32.16	18.21%	120° - 130°	0.00	0.00%
40° - 50°	31.20	17.66%	130° - 140°	0.00	0.00%
50° - 60°	26.38	14.94%	140° - 150°	0.00	0.00%
60° - 70°	18.65	10.56%	150° - 160°	0.00	0.00%
70° - 80°	9.52	5.39%	160° - 170°	0.00	0.00%
80° - 90°	2.49	1.41%	170° - 180°	0.00	0.00%
0° - 90°	176.62	100.00%	0° - 180°	176.62	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	74.97	74.97	74.97	74.97	74.97
5.00°	74.96	74.31	74.31	73.90	73.64
10.00°	73.10	72.65	72.00	71.69	72.04
15.00°	70.47	70.19	69.42	69.05	68.86
20.00°	67.47	67.12	65.99	65.05	64.87
25.00°	63.79	62.90	61.91	60.46	59.85
30.00°	59.46	58.62	56.84	55.43	54.60
35.00°	54.31	53.51	51.53	49.69	49.23
40.00°	49.07	48.11	45.97	44.00	43.36
45.00°	43.56	42.70	40.46	38.46	37.79
50.00°	38.20	37.17	34.83	32.93	32.15
55.00°	32.71	31.72	29.23	27.59	27.06
60.00°	26.88	25.93	23.92	22.31	22.05
65.00°	21.25	20.44	18.58	17.39	17.09
70.00°	15.60	14.82	13.47	12.52	12.33
75.00°	10.18	9.59	8.64	8.12	8.00
80.00°	5.24	4.96	4.65	4.65	4.71
85.00°	1.66	1.81	2.08	2.19	2.19
90.00°	0.22	0.41	0.38	0.38	0.37

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,684	9,684	9,684
45.00°	7,957	7,391	6,903
55.00°	7,366	6,582	6,094
65.00°	6,495	5,679	5,223
75.00°	5,080	4,312	3,992
85.00°	2,460	3,083	3,246



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	210	210	210	210	205	205	205	205	196	196	196	188	188	188	180	180	180	177
	1	193	186	179	172	189	182	175	169	174	169	164	167	163	159	161	157	154	151
	2	177	163	152	142	172	160	149	141	154	145	137	148	141	134	143	137	131	128
	3	162	145	131	120	158	142	129	119	137	126	117	132	122	115	127	119	113	109
	4	149	129	114	103	145	127	113	102	122	110	101	118	108	99	114	105	98	94
	5	138	116	101	89	134	114	100	89	110	98	88	107	96	87	104	94	86	82
	6	128	105	90	79	124	103	89	78	100	87	78	97	86	77	94	84	76	73
	7	119	96	81	70	116	94	80	70	92	79	69	89	78	69	87	76	68	65
	8	111	88	73	63	108	86	73	63	84	72	63	82	71	62	80	70	62	59
	9	104	81	67	57	101	80	66	57	78	65	57	76	65	57	74	64	56	53
10	98	75	61	52	95	74	61	52	72	60	52	71	60	52	69	59	51	48	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	2 fc	13 ft	13 ft
8 ft	1 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