



**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**  
**AND-(PS)-4-D3-30-80-OW-W**  
(White Housing – Semi-Direct – Opal Lens)

Test Number

**IES-P00092**

Test Date

2017-06-09

The results contained in this report pertain only to the tested sample.  
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<b>Luminaire Description:</b>	Extruded Aluminum Housing, Semi-direct w/ Opal Lens
<b>Lamp:</b>	LED (3000K, 80+ CRI)
<b>Installation:</b>	Suspension from Ceiling & Surface Mount
<b>Luminous Length:</b>	47.13 in
<b>Luminous Width:</b>	1.63 in
<b>Luminous Height:</b>	0.95 in

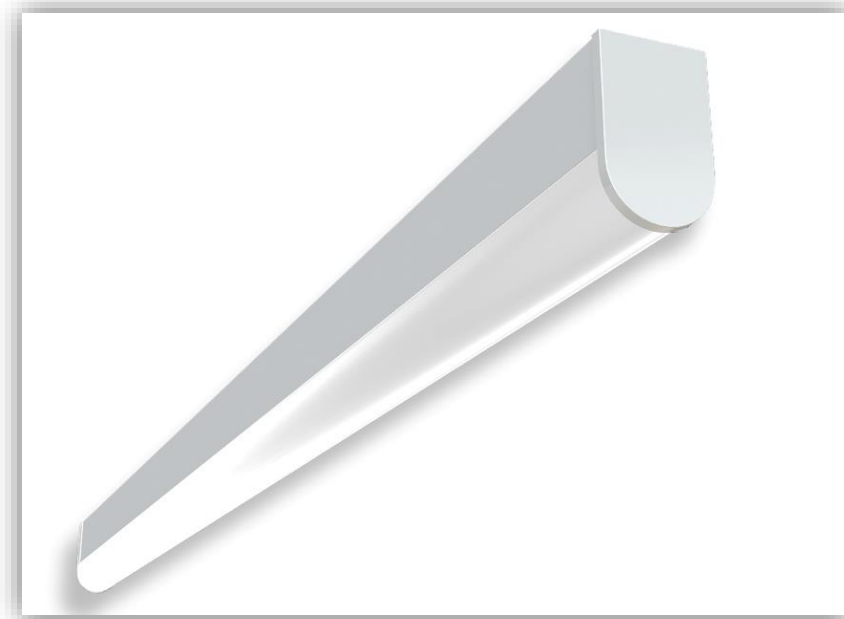


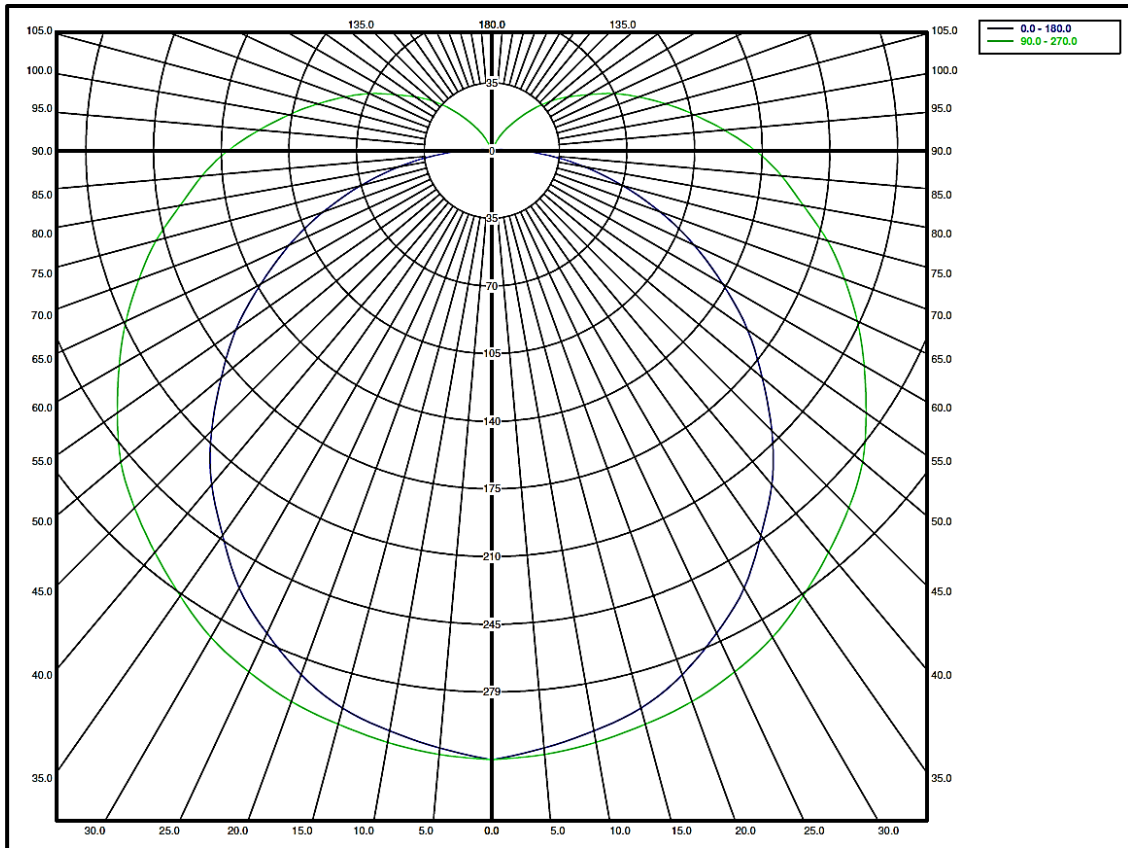
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	13.2W
<b>Total Luminaire Output:</b>	1400 Lumens
<b>Luminaire Efficacy:</b>	106 lm/W
<b>Max Candela:</b>	314.37 Candela

Calculated results may not be representative of field performance  
Ballast factors have not been applied

### Polar Plot



### Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0-10	29.58	2.1%	90-100	81.01	5.8%
10-20	85.51	6.1%	100-110	56.93	4.1%
20-30	132.07	9.4%	110-120	37.51	2.7%
30-40	164.52	11.7%	120-130	22.26	1.6%
40-50	180.49	12.9%	130-140	11.04	0.8%
50-60	180.13	12.9%	140-150	4	0.3%
60-70	165.02	11.8%	150-160	0.63	0.0%
70-80	139.8	10.0%	160-170	0	0.0%
80-90	109.67	7.8%	170-180	0	0.0%
0-90	1186.79	84.8%	0-180	1400.17	100.0%

### Candela Distribution

#### Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314
5	310	308	310	313	313	313	310	308	310	308	310	313	313	313	310	308
10	304	306	308	309	310	309	308	306	304	306	308	309	310	309	308	306
15	298	300	304	306	306	306	304	300	298	300	304	306	306	306	304	300
20	288	290	296	300	303	300	296	290	288	290	296	300	303	300	296	290
25	275	279	285	294	297	294	285	279	275	279	285	294	297	294	285	279
30	261	265	276	287	290	287	276	265	261	265	276	287	290	287	276	265
35	242	249	263	276	281	276	263	249	242	249	263	276	281	276	263	249
40	225	232	249	265	271	265	249	232	225	232	249	265	271	265	249	232
45	205	214	235	253	261	253	235	214	205	214	235	253	261	253	235	214
50	182	195	219	241	250	241	219	195	182	195	219	241	250	241	219	195
55	161	175	204	228	236	228	204	175	161	175	204	228	236	228	204	175
60	138	155	188	213	222	213	188	155	138	155	188	213	222	213	188	155
65	115	135	170	198	208	198	170	135	115	135	170	198	208	198	170	135
70	93	116	154	184	194	184	154	116	93	116	154	184	194	184	154	116
75	70	97	139	168	179	168	139	97	70	97	139	168	179	168	139	97
80	49	79	123	153	163	153	123	79	49	79	123	153	163	153	123	79
85	30	64	108	139	150	139	108	64	30	64	108	139	150	139	108	64
90	14	51	95	126	136	126	95	51	14	51	95	126	136	126	95	51
95	6	39	82	111	121	111	82	39	6	39	82	111	121	111	82	39
100	3	30	70	96	106	96	70	30	3	30	70	96	106	96	70	30
105	1	23	59	84	93	84	59	23	1	23	59	84	93	84	59	23
110	0	18	49	73	81	73	49	18	0	18	49	73	81	73	49	18
115	0	13	41	62	69	62	41	13	0	13	41	62	69	62	41	13
120	0	9	33	51	58	51	33	9	0	9	33	51	58	51	33	9
125	0	6	26	43	48	43	26	6	0	6	26	43	48	43	26	6
130	0	3	19	34	39	34	19	3	0	3	19	34	39	34	19	3
135	0	2	14	25	31	25	14	2	0	2	14	25	31	25	14	2
140	0	0	9	18	22	18	9	0	0	0	9	18	22	18	9	0
145	0	0	5	12	15	12	5	0	0	0	5	12	15	12	5	0
150	0	0	1	7	9	7	1	0	0	0	1	7	9	7	1	0
155	0	0	0	2	3	2	0	0	0	0	0	2	3	2	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Average Luminance (cd/m²)

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	6343	6343	6343
45	5718	4692	4699
55	5514	4450	4527
65	5279	4239	4419
75	5078	4163	4402
85	5573	4258	4536

**Coefficients of Utilization – Zonal Cavity Method**

Effective Floor Cavity Reflectance 20%																		
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Values are in Lumens delivered to the Task Plane																	
0	1610	1610	1610	1610	1554	1554	1554	1554	1442	1442	1442	1330	1330	1330	1232	1232	1232	1190
1	1428	1344	1274	1204	1372	1288	1218	1162	1190	1134	1078	1092	1050	1008	1008	980	938	896
2	1288	1148	1036	938	1218	1106	994	910	1022	938	854	938	868	812	868	812	756	714
3	1162	994	868	770	1106	952	840	742	882	784	700	812	728	658	756	686	630	588
4	1050	868	742	630	1008	840	714	616	770	672	588	714	630	560	658	588	532	490
5	966	770	644	546	924	742	616	532	686	588	504	644	546	476	588	518	448	420
6	896	700	560	462	854	672	546	462	616	518	434	574	490	420	532	462	392	364
7	826	630	504	406	784	602	490	392	560	462	378	518	434	364	490	406	350	308
8	770	574	448	364	728	546	434	350	518	406	336	476	392	322	448	364	308	280
9	714	518	406	322	686	504	392	308	476	378	308	434	350	294	406	336	280	252
10	672	476	364	294	644	462	350	280	434	336	266	406	322	266	378	308	252	224

