

## **Indoor Distribution Test Report**

### **Picasso Lighting Industries, LLC**

46 Sellers St.  
Kearny, NJ 07032

#### **Photopia Photometric Analysis & Optical Design**

#### **Catalog Number**

**TRU-L-4'-D5-I5-30K-80-OPL-W**

(White Housing – Direct / Indirect – Opal Lens)

Test Number

**IES-P00006**

Test Date

2017-01-12

The results contained in this report pertain only to the tested sample.  
This report shall not be reproduced, except in full, without written approval of Picasso Lighting Industries, LLC.

<b>Luminaire Description:</b>	Aluminum, Extruded Housing, Direct / Indirect w/ Opal Lens
<b>Lamp:</b>	LED (3000K, 80+ CRI)
<b>Installation:</b>	Suspension from Ceiling
<b>Luminous Length:</b>	47.50 in
<b>Luminous Width:</b>	2.75 in
<b>Luminous Height:</b>	0.00 in



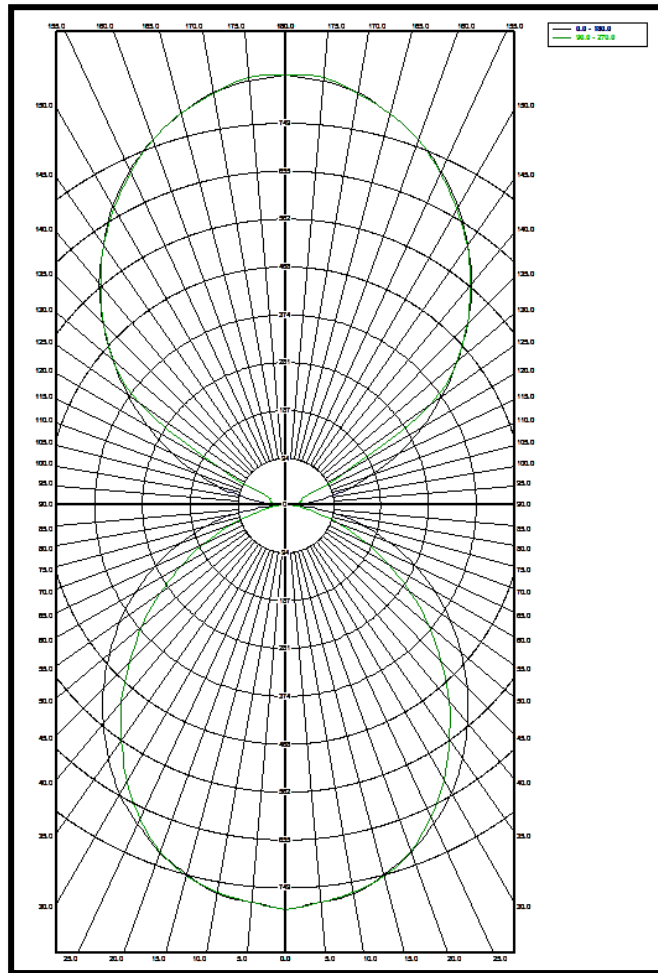
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	43.6W
<b>Total Luminaire Output:</b>	4007 Lumens
<b>Luminaire Efficacy:</b>	92 lm/W
<b>Max Candela:</b>	842.25 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	74.57	1.9%	90-100	18.55	0.5%
10-20	211.26	5.3%	100-110	66.93	1.7%
20-30	315.07	7.9%	110-120	173.87	4.3%
30-40	367.39	9.2%	120-130	325.9	8.1%
40-50	364.47	9.1%	130-140	390.71	9.7%
50-60	311.77	7.8%	140-150	390.46	9.7%
60-70	220.51	5.5%	150-160	332.74	8.3%
70-80	111.33	2.8%	160-170	224.5	5.6%
80-90	28.22	0.7%	170-180	79.2	2.0%
0-90	2004.59	50.0%	0-180	4007.45	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	792	792	792	792	792	792	792	792	792	792	792	792	792	792	792	792
5	780	783	789	789	780	789	789	783	780	783	789	789	780	789	789	783
10	773	773	772	773	769	773	772	773	773	773	772	773	769	773	772	773
15	748	747	750	748	750	748	750	747	748	747	750	748	750	748	750	747
20	722	720	722	718	721	718	722	720	722	720	722	718	721	718	722	720
25	688	690	688	681	675	681	688	690	688	690	688	681	675	681	688	690
30	652	649	645	629	623	629	645	649	652	649	645	629	623	629	645	649
35	605	604	591	569	561	569	591	604	605	604	591	569	561	569	591	604
40	556	557	536	508	500	508	536	557	556	557	536	508	500	508	536	557
45	505	503	473	445	431	445	473	503	505	503	473	445	431	445	473	503
50	450	445	410	380	369	380	410	445	450	445	410	380	369	380	410	445
55	396	387	346	313	302	313	346	387	396	387	346	313	302	313	346	387
60	340	324	281	247	236	247	281	324	340	324	281	247	236	247	281	324
65	281	261	216	185	175	185	216	261	281	261	216	185	175	185	216	261
70	222	198	153	125	117	125	153	198	222	198	153	125	117	125	153	198
75	163	134	93	70	64	70	93	134	163	134	93	70	64	70	93	134
80	103	73	42	38	38	38	42	73	103	73	42	38	38	38	42	73
85	40	22	19	19	19	19	19	22	40	22	19	19	19	19	19	22
90	2	3	3	3	2	3	3	3	2	3	3	3	2	3	3	3
95	30	12	14	14	14	14	14	12	30	12	14	14	14	14	14	12
100	79	38	23	26	27	26	23	38	79	38	23	26	27	26	23	38
105	127	102	27	30	31	30	27	102	127	102	27	30	31	30	27	102
110	183	187	72	33	33	33	72	187	183	187	72	33	33	33	72	187
115	247	252	201	66	46	66	201	252	247	252	201	66	46	66	201	252
120	310	316	313	223	154	223	313	316	310	316	313	223	154	223	313	316
125	375	379	380	368	347	368	380	379	375	379	380	368	347	368	380	379
130	441	445	445	441	439	441	445	445	441	445	445	441	439	441	445	445
135	506	509	508	505	505	505	508	509	506	509	508	505	505	505	508	509
140	568	568	568	566	564	566	568	568	568	568	568	566	564	566	568	568
145	623	627	625	623	622	623	625	627	623	627	625	623	622	623	625	627
150	677	679	677	677	672	677	677	679	677	679	677	677	672	677	677	679
155	723	723	722	721	720	721	722	723	723	723	722	721	720	721	722	723
160	763	766	763	762	762	762	763	766	763	766	763	762	762	762	763	766
165	794	796	798	798	795	798	798	796	794	796	798	798	795	798	798	796
170	821	821	820	821	819	821	820	821	821	821	820	821	819	821	820	821
175	835	832	832	831	842	831	832	832	835	832	832	831	842	831	832	832
180	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842

### Average Luminance (cd/m<sup>2</sup>)

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	9393	9393	9393
45	7513	3013	2273
55	6931	2147	1516
65	6201	1344	864
75	5068	598	320
85	2202	134	101

**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	4288	4288	4288	4288	3967	3967	3967	3967	3326	3326	3326	2765	2765	2765	2244	2244	2244	2004
1	3927	3767	3607	3446	3607	3486	3326	3206	2925	2845	2765	2445	2364	2324	2004	1964	1924	1683
2	3567	3286	3046	2845	3286	3046	2845	2645	2565	2445	2284	2164	2044	1964	1763	1683	1603	1443
3	3286	2885	2605	2364	3006	2685	2404	2204	2284	2084	1924	1924	1763	1643	1563	1483	1363	1202
4	3006	2565	2244	2004	2765	2364	2084	1884	2044	1803	1643	1723	1563	1403	1403	1282	1202	1042
5	2765	2284	1964	1723	2525	2124	1843	1603	1803	1603	1443	1523	1363	1242	1282	1122	1042	922
6	2525	2044	1723	1483	2324	1924	1603	1403	1643	1403	1242	1403	1202	1082	1162	1002	922	801
7	2324	1843	1523	1322	2164	1723	1443	1242	1483	1242	1082	1242	1082	962	1042	922	801	721
8	2164	1683	1363	1162	2004	1563	1282	1082	1363	1122	962	1162	962	842	962	842	721	641
9	2004	1523	1242	1042	1884	1443	1162	962	1242	1042	882	1042	882	761	882	761	641	561
10	1884	1403	1122	922	1763	1322	1042	882	1162	922	801	962	801	681	842	681	601	521

