



**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**  
**TRU-L-4'-D10-I10-30K-80-OPL-W**  
(White Housing – Direct / Indirect – Opal Lens)

Test Number

**IES-P00016**

Test Date

2017-01-13

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



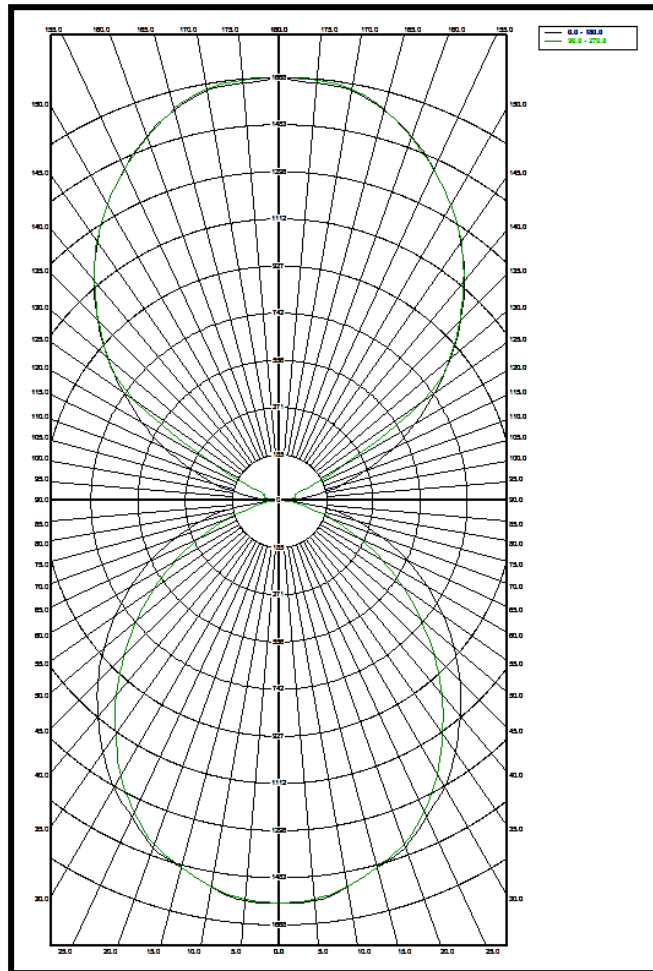
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	88.7W
<b>Total Luminaire Output:</b>	8017 Lumens
<b>Luminaire Efficacy:</b>	90 lm/W
<b>Max Candela:</b>	1668.50 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	149.1	1.9%	90-100	36.94	0.5%
10-20	423.14	5.3%	100-110	133.83	1.7%
20-30	630.93	7.9%	110-120	347.93	4.3%
30-40	734.81	9.2%	120-130	652.11	8.1%
40-50	728.81	9.1%	130-140	781.16	9.7%
50-60	622.89	7.8%	140-150	781.42	9.7%
60-70	441.24	5.5%	150-160	666.15	8.3%
70-80	222.2	2.8%	160-170	449.51	5.6%
80-90	56.61	0.7%	170-180	157.97	2.0%
0-90	4009.73	50.0%	0-180	8016.75	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	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583
5	1580	1577	1563	1579	1573	1579	1563	1577	1580	1577	1563	1579	1573	1579	1563	1577
10	1544	1540	1537	1537	1542	1537	1537	1540	1544	1540	1537	1537	1542	1537	1537	1540
15	1495	1499	1502	1506	1493	1506	1502	1499	1495	1499	1502	1506	1493	1506	1502	1499
20	1451	1449	1447	1445	1439	1445	1447	1449	1451	1449	1447	1445	1439	1445	1447	1449
25	1373	1379	1375	1366	1352	1366	1375	1379	1373	1379	1375	1366	1352	1366	1375	1379
30	1304	1295	1291	1256	1249	1256	1291	1295	1304	1295	1291	1256	1249	1256	1291	1295
35	1209	1210	1184	1140	1122	1140	1184	1210	1209	1210	1184	1140	1122	1140	1184	1210
40	1110	1113	1069	1015	1000	1015	1069	1113	1110	1113	1069	1015	1000	1015	1069	1113
45	1010	1006	946	889	865	889	946	1006	1010	1006	946	889	865	889	946	1006
50	901	892	823	759	733	759	823	892	901	892	823	759	733	759	823	892
55	788	772	692	625	601	625	692	772	788	772	692	625	601	625	692	772
60	674	650	563	496	472	496	563	650	674	650	563	496	472	496	563	650
65	563	523	433	369	349	369	433	523	563	523	433	369	349	369	433	523
70	443	394	306	250	232	250	306	394	443	394	306	250	232	250	306	394
75	325	268	184	140	128	140	184	268	325	268	184	140	128	140	184	268
80	207	145	84	75	77	75	84	145	207	145	84	75	77	75	84	145
85	80	45	40	39	38	39	40	45	80	45	40	39	38	39	40	45
90	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
95	60	24	27	28	28	28	27	24	60	24	27	28	28	28	27	24
100	158	74	45	51	53	51	45	74	158	74	45	51	53	51	45	74
105	254	204	54	60	63	60	54	204	254	204	54	60	63	60	54	204
110	368	375	144	65	66	65	144	375	368	375	144	65	66	65	144	375
115	495	504	402	132	93	132	402	504	495	504	402	132	93	132	402	504
120	623	630	625	448	310	448	625	630	623	630	625	448	310	448	625	630
125	750	759	760	738	694	738	760	759	750	759	760	738	694	738	760	759
130	882	888	889	885	880	885	889	888	882	888	889	885	880	885	889	888
135	1013	1015	1016	1010	1008	1010	1016	1015	1013	1015	1016	1010	1008	1010	1016	1015
140	1135	1135	1137	1131	1131	1131	1137	1135	1135	1135	1137	1131	1131	1131	1137	1135
145	1249	1252	1250	1250	1251	1250	1250	1252	1249	1252	1250	1250	1251	1250	1250	1252
150	1352	1358	1357	1350	1351	1350	1357	1358	1352	1358	1357	1350	1351	1350	1357	1358
155	1444	1448	1448	1441	1443	1441	1448	1448	1444	1448	1448	1441	1443	1441	1448	1448
160	1530	1527	1530	1531	1523	1531	1530	1527	1530	1527	1530	1531	1523	1531	1530	1527
165	1595	1593	1597	1596	1600	1596	1597	1593	1595	1593	1597	1596	1600	1596	1597	1593
170	1643	1638	1639	1645	1649	1645	1639	1638	1643	1638	1639	1645	1649	1645	1639	1638
175	1652	1664	1663	1660	1665	1660	1663	1664	1652	1664	1663	1660	1665	1660	1663	1664
180	1669	1669	1669	1669	1669	1669	1669	1669	1669	1669	1669	1669	1669	1669	1669	1669

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	18787	18787	18787
45	15036	6024	4560
55	13803	4292	3020
65	12421	2701	1724
75	10121	1189	639
85	4446	273	200

**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	8578	8578	8578	8578	7937	7937	7937	7937	6654	6654	6654	5532	5532	5532	4489	4489	4489	4008
1	7856	7536	7215	6894	7215	6975	6654	6413	5852	5692	5532	4890	4730	4650	4008	3928	3848	3367
2	7135	6574	6093	5692	6574	6093	5692	5291	5131	4890	4570	4329	4089	3928	3527	3367	3207	2886
3	6574	5772	5211	4730	6013	5371	4810	4409	4570	4169	3848	3848	3527	3287	3127	2966	2726	2405
4	6013	5131	4489	4008	5532	4730	4169	3768	4089	3608	3287	3447	3127	2806	2806	2565	2405	2084
5	5532	4570	3928	3447	5051	4249	3688	3207	3608	3207	2886	3046	2726	2485	2565	2245	2084	1844
6	5051	4089	3447	2966	4650	3848	3207	2806	3287	2806	2485	2806	2405	2165	2325	2004	1844	1603
7	4650	3688	3046	2646	4329	3447	2886	2485	2966	2485	2165	2485	2165	1924	2084	1844	1603	1443
8	4329	3367	2726	2325	4008	3127	2565	2165	2726	2245	1924	2325	1924	1684	1924	1684	1443	1283
9	4008	3046	2485	2084	3768	2886	2325	1924	2485	2084	1764	2084	1764	1523	1764	1523	1283	1122
10	3768	2806	2245	1844	3527	2646	2084	1764	2325	1844	1603	1924	1603	1363	1684	1363	1203	1042

