

## **Indoor Distribution Test Report**

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

46 Sellers St.  
Kearny, NJ 07032

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

**Catalog Number**  
**CV5-L-4'-I7-30K-80-OPL-15°**  
(White Housing – Indirect – Opal Lens)

Test Number

**IES-P00053**

Test Date

2017-02-23

The results contained in this report pertain only to the tested sample.  
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<b>Luminaire Description:</b>	White enamel steel housing / reflector, Indirect w/ Opal Lens
<b>Lamp:</b>	LED (3000K, 80+ CRI)
<b>Installation:</b>	Cove Mounted
<b>Luminous Length:</b>	48.00 in
<b>Luminous Width:</b>	3.63 in
<b>Luminous Height:</b>	0.88 in



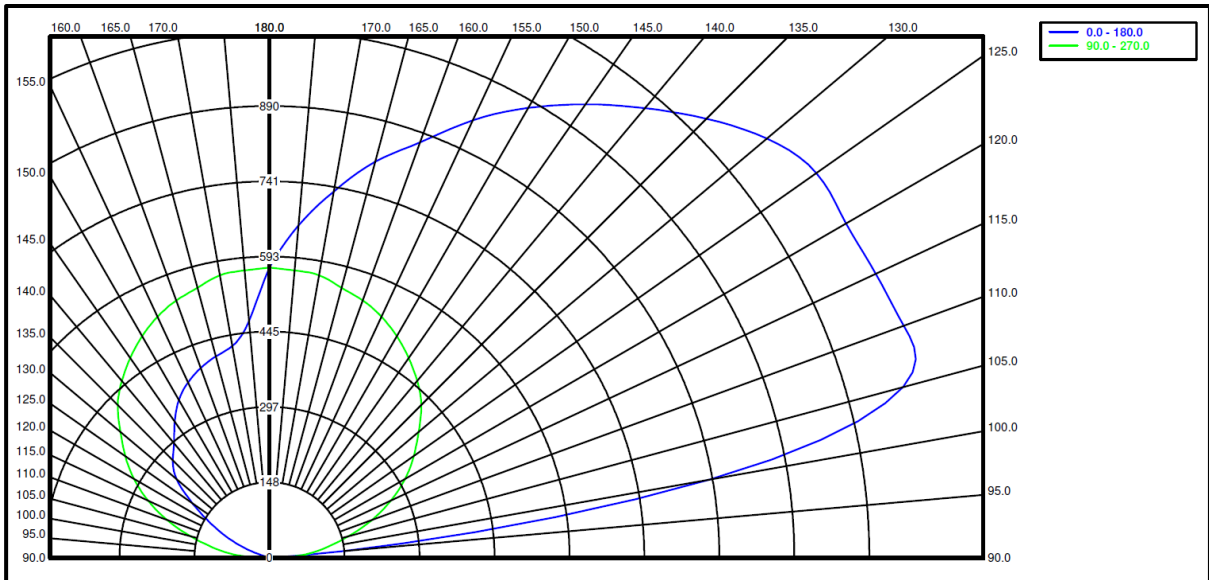
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	30.8W
<b>Total Luminaire Output:</b>	2994 Lumens
<b>Luminaire Efficacy:</b>	97 lm/W
<b>Max Candela:</b>	1334.58 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	0	0.0%	90-100	167.6	5.6%
10-20	0	0.0%	100-110	448.98	15.0%
20-30	0	0.0%	110-120	506.66	16.9%
30-40	0.04	0.0%	120-130	509.34	17.0%
40-50	0.27	0.0%	130-140	460.11	15.4%
50-60	0.97	0.0%	140-150	377.15	12.6%
60-70	2.88	0.1%	150-160	274.57	9.2%
70-80	7.32	0.2%	160-170	163.54	5.5%
80-90	19.94	0.7%	170-180	54.17	1.8%
0-90	31.42	1.0%	0-180	2993.54	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
45	0	1	2	0	0	0	0	0	0	0	0	0	0	0	2	1
50	0	1	3	1	0	0	0	0	0	0	0	0	0	1	3	1
55	0	2	4	2	0	0	0	0	0	0	0	0	0	2	4	2
60	0	4	7	3	0	0	0	0	0	0	0	0	0	3	7	4
65	0	5	11	5	0	0	0	0	0	0	0	0	0	5	11	5
70	0	8	16	9	0	0	1	0	0	0	1	0	0	9	16	8
75	0	11	23	15	1	0	1	1	0	1	1	0	1	15	23	11
80	6	16	30	25	2	1	2	1	0	1	2	1	2	25	30	16
85	15	28	43	40	8	4	4	1	0	1	4	4	8	40	43	28
90	24	41	63	72	31	7	5	2	0	2	5	7	31	72	63	41
95	149	189	304	311	71	14	6	2	0	2	6	14	71	311	304	189
100	885	911	793	430	114	43	13	2	0	2	13	43	114	430	793	911
105	1297	1188	872	483	162	85	46	20	12	20	46	85	162	483	872	1188
110	1335	1214	899	531	215	130	87	57	46	57	87	130	215	531	899	1214
115	1323	1209	936	561	265	172	136	100	89	100	136	172	265	561	936	1209
120	1317	1226	958	593	309	209	184	148	134	148	184	209	309	593	958	1226
125	1321	1222	951	618	348	248	224	199	186	199	224	248	348	618	951	1222
130	1284	1194	938	644	385	279	253	246	240	246	253	279	385	644	938	1194
135	1223	1141	922	659	424	308	287	271	270	271	287	308	424	659	922	1141
140	1156	1086	905	674	454	332	319	301	294	301	319	332	454	674	905	1086
145	1090	1032	875	679	480	355	350	333	327	333	350	355	480	679	875	1032
150	1023	969	841	683	503	378	369	360	358	360	369	378	503	683	841	969
155	951	907	806	674	523	402	385	384	381	384	385	402	523	674	806	907
160	871	844	771	672	539	428	402	399	397	399	402	428	539	672	771	844
165	807	787	732	652	550	454	414	405	410	405	414	454	550	652	732	787
170	733	721	688	633	565	495	441	424	423	424	441	495	565	633	688	721
175	657	652	640	603	568	530	498	474	467	474	498	530	568	603	640	652
180	572	572	572	572	572	572	572	572	572	572	572	572	572	572	572	572

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	18	0
55	0	50	1
65	0	163	3
75	2	463	31
85	402	1403	686

**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	2844	2844	2844	2844	2455	2455	2455	2455	1676	1676	1676	988	988	988	329	329	329	30
1	2604	2455	2365	2245	2215	2125	2036	1946	1437	1407	1347	838	808	778	269	269	269	0
2	2365	2155	1976	1826	2006	1856	1706	1587	1257	1167	1108	748	689	659	239	239	210	0
3	2155	1886	1676	1527	1826	1617	1437	1317	1108	1018	928	659	599	539	210	210	180	0
4	1946	1646	1437	1287	1676	1437	1257	1108	988	868	778	569	509	449	180	180	150	0
5	1796	1467	1257	1078	1527	1257	1078	928	868	748	659	509	449	389	180	150	120	0
6	1646	1317	1078	928	1407	1138	928	808	778	659	569	449	389	329	150	120	120	0
7	1497	1167	958	808	1287	1018	838	689	689	569	479	419	329	299	150	120	90	0
8	1377	1048	838	689	1197	898	718	599	629	509	419	359	299	269	120	90	90	0
9	1287	958	748	599	1108	808	659	539	569	449	389	329	269	239	120	90	90	0
10	1197	868	659	539	1018	748	569	479	509	419	329	299	239	210	90	90	60	0

