

## **Indoor Distribution Test Report**

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

46 Sellers St.  
Kearny, NJ 07032

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

#### **Catalog Number**

**JUL-R-2-DR25-30-80-OW-W**

(White Housing – Direct – Round Opal Lens)

Test Number

**IES-P00132**

Test Date

2017-09-18

The results contained in this report pertain only to the tested sample.  
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<b>Luminaire Description:</b>	White, Sheet Metal Housing, Direct w/ Frosted White Opal Lens
<b>Lamp:</b>	LED (3000K, 80+ CRI)
<b>Installation:</b>	Recess Mounted
<b>Luminous Length:</b>	22.56 in
<b>Luminous Width:</b>	22.56 in
<b>Luminous Height:</b>	0.00 in



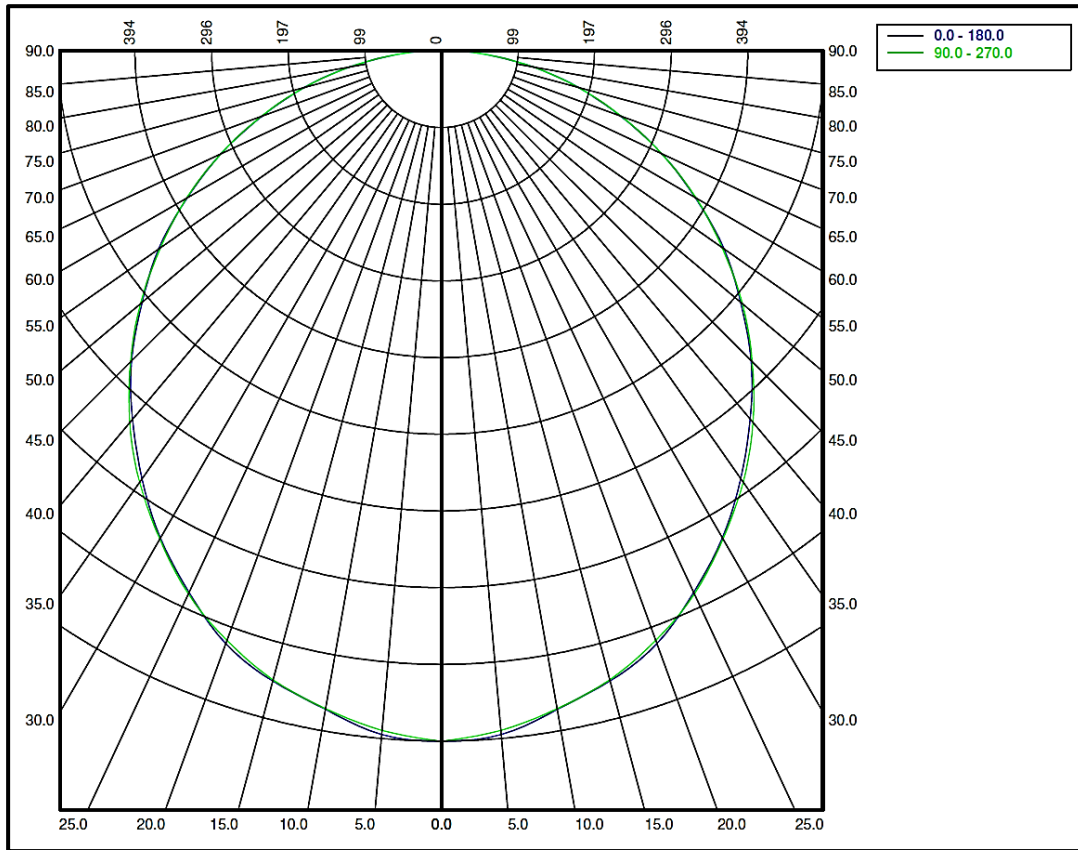
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	26.6W
<b>Total Luminaire Output:</b>	2498 Lumens
<b>Luminaire Efficacy:</b>	94 lm/W
<b>Max Candela:</b>	886.79 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	83.35	3.3%	90-100	0	0.0%
10-20	236.57	9.5%	100-110	0	0.0%
20-30	353.72	14.2%	110-120	0	0.0%
30-40	422.57	16.9%	120-130	0	0.0%
40-50	435.29	17.4%	130-140	0	0.0%
50-60	395.26	15.8%	140-150	0	0.0%
60-70	309.7	12.4%	150-160	0	0.0%
70-80	193.06	7.7%	160-170	0	0.0%
80-90	68.55	2.7%	170-180	0	0.0%
0-90	2498.07	100.0%	0-180	2498.07	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	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887
5	882	873	877	884	876	884	877	873	882	873	877	884	876	884	877	873
10	859	861	861	867	858	867	861	861	859	861	861	867	858	867	861	861
15	838	836	842	841	837	841	842	836	838	836	842	841	837	841	842	836
20	811	802	810	806	806	806	810	802	811	802	810	806	806	806	810	802
25	768	767	767	767	770	767	767	767	768	767	767	767	770	767	767	767
30	723	723	724	723	724	723	724	723	723	723	724	723	724	723	724	723
35	671	675	678	676	677	676	678	675	671	675	678	676	677	676	678	675
40	618	620	623	623	623	623	623	620	618	620	623	623	623	623	623	620
45	564	564	564	564	565	564	564	564	564	564	564	564	565	564	564	564
50	502	505	505	501	505	501	505	505	502	505	505	501	505	501	505	505
55	444	442	442	444	441	444	442	442	444	442	442	444	441	444	442	442
60	377	375	379	377	379	377	379	375	377	375	379	377	379	377	379	375
65	313	312	314	314	312	314	314	312	313	312	314	314	312	314	314	312
70	246	247	247	247	247	247	247	247	246	247	247	247	247	247	247	247
75	183	182	183	182	183	182	183	182	183	182	183	182	183	182	183	182
80	120	120	121	120	120	120	121	120	120	120	121	120	120	120	121	120
85	59	59	60	59	60	59	60	59	59	59	60	59	60	59	60	59
90	12	13	13	13	13	13	13	13	12	13	13	13	13	13	13	13

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	2700	2700	2700
45	2425	2425	2433
55	2354	2342	2338
65	2253	2260	2249
75	2152	2149	2149
85	2070	2101	2079

**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	2973	2973	2973	2973	2898	2898	2898	2898	2773	2773	2773	2648	2648	2648	2548	2548	2548	2498
1	2698	2573	2473	2373	2623	2523	2423	2323	2423	2323	2248	2323	2248	2173	2223	2173	2123	2073
2	2448	2248	2073	1924	2398	2198	2023	1899	2098	1973	1849	2023	1899	1799	1948	1849	1774	1699
3	2223	1973	1749	1599	2173	1924	1724	1574	1849	1674	1549	1774	1649	1524	1724	1599	1499	1424
4	2048	1749	1524	1349	1998	1699	1499	1324	1649	1449	1324	1574	1424	1299	1524	1399	1274	1224
5	1874	1549	1324	1149	1824	1524	1299	1149	1474	1274	1124	1424	1249	1124	1374	1224	1099	1049
6	1724	1399	1174	999	1699	1374	1149	999	1324	1149	999	1274	1124	974	1249	1099	974	924
7	1599	1274	1049	899	1574	1249	1024	874	1199	1024	874	1174	999	874	1149	974	874	824
8	1499	1149	949	799	1449	1149	924	799	1099	924	774	1074	899	774	1049	899	774	724
9	1399	1049	849	724	1374	1049	849	724	1024	824	699	999	824	699	974	824	699	649
10	1324	974	774	649	1274	974	774	649	949	774	649	924	749	649	899	749	649	600

