

## **Indoor Distribution Test Report**

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

46 Sellers St.  
Kearny, NJ 07032

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

**Catalog Number**  
**AMA-(PSW)-4-D3-30-80-OW-W**  
(White Housing – Direct – Opal Lens)

Test Number

**IES-P00021**

Test Date

2017-06-07

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 w/ Opal Lens
<b>Lamp:</b>	LED (3000K, 80+ CRI)
<b>Installation:</b>	Suspension from Ceiling, Surface or Wall Mounted
<b>Luminous Length:</b>	47.13 in
<b>Luminous Width:</b>	3.25 in
<b>Luminous Height:</b>	0.00 in



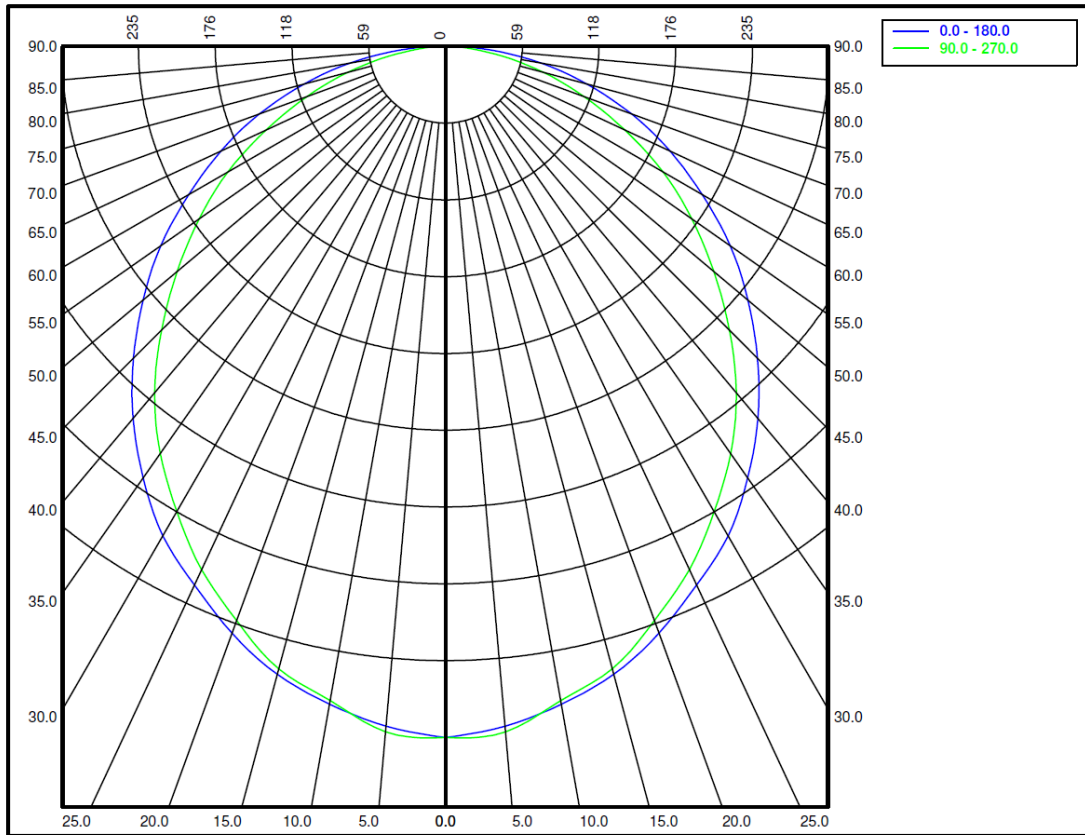
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	25.4W
<b>Total Luminaire Output:</b>	1403 Lumens
<b>Luminaire Efficacy:</b>	78 lm/W
<b>Max Candela:</b>	528.86 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	49.28	3.5%	90-100	0	0.0%
10-20	139.07	9.9%	100-110	0	0.0%
20-30	206.85	14.7%	110-120	0	0.0%
30-40	244.18	17.4%	120-130	0	0.0%
40-50	248.06	17.7%	130-140	0	0.0%
50-60	220.78	15.7%	140-150	0	0.0%
60-70	168.01	12.0%	150-160	0	0.0%
70-80	98.23	7.0%	160-170	0	0.0%
80-90	28.8	2.1%	170-180	0	0.0%
0-90	1403.26	100.0%	0-180	1403.26	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	529	529	529	529	529	529	529	529	529	529	529	529	529	529	529	529
5	522	514	526	511	527	511	526	514	522	514	526	511	527	511	526	514
10	511	509	508	508	508	508	508	509	511	509	508	508	508	508	508	509
15	498	496	493	488	493	488	493	496	498	496	493	488	493	488	493	496
20	478	478	473	469	468	469	473	478	478	478	473	469	468	469	473	478
25	455	454	450	444	442	444	450	454	455	454	450	444	442	444	450	454
30	433	425	421	416	411	416	421	425	433	425	421	416	411	416	421	425
35	403	398	391	381	381	381	391	398	403	398	391	381	381	381	391	398
40	372	366	356	348	346	348	356	366	372	366	356	348	346	348	356	366
45	338	332	320	310	307	310	320	332	338	332	320	310	307	310	320	332
50	302	298	284	273	268	273	284	298	302	298	284	273	268	273	284	298
55	266	258	245	235	230	235	245	258	266	258	245	235	230	235	245	258
60	227	220	207	197	192	197	207	220	227	220	207	197	192	197	207	220
65	190	183	168	156	151	156	168	183	190	183	168	156	151	156	168	183
70	152	144	129	118	113	118	129	144	152	144	129	118	113	118	129	144
75	112	105	90	80	78	80	90	105	112	105	90	80	78	80	90	105
80	74	66	53	46	45	46	53	66	74	66	53	46	45	46	53	66
85	35	27	20	18	17	18	20	27	35	27	20	18	17	18	20	27
90	6	4	4	4	3	4	4	4	6	4	4	4	3	4	4	4

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	5352	5352	5352
45	4829	4570	4396
55	4690	4323	4057
65	4536	4028	3622
75	4382	3530	3045
85	4097	2313	1954

**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	1670	1670	1670	1670	1628	1628	1628	1628	1558	1558	1558	1487	1487	1487	1431	1431	1431	1403
1	1530	1459	1403	1347	1487	1431	1375	1319	1361	1319	1277	1305	1277	1235	1263	1235	1207	1179
2	1389	1277	1179	1095	1347	1249	1151	1081	1193	1123	1052	1151	1081	1038	1109	1052	1010	982
3	1263	1123	996	912	1235	1095	982	898	1052	968	884	1010	940	870	982	912	856	828
4	1165	996	870	772	1123	968	856	772	940	842	758	898	814	744	870	800	730	702
5	1066	884	758	660	1038	870	758	660	842	730	660	814	716	645	786	702	645	617
6	982	800	674	589	954	786	660	575	758	660	575	730	645	575	716	631	561	533
7	912	730	603	519	884	716	589	519	688	589	505	674	575	505	645	561	505	477
8	856	660	547	463	828	645	533	463	631	533	449	617	519	449	603	519	449	421
9	800	603	491	421	772	603	491	407	589	477	407	561	477	407	547	463	407	379
10	744	561	449	379	730	547	449	379	533	435	379	533	435	379	519	435	365	351

