



**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**  
**CLA-L-4'-I5-30K-80-OPL-W**  
(White Housing – Indirect – Opal Lens)

Test Number

**IES-P00100**

Test Date

2017-04-24

The results contained in this report pertain only to the tested sample.  
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<b>Luminaire Description:</b>	Extruded Aluminum Housing, Indirect w/ Opal Lens
<b>Lamp:</b>	LED (3000K, 80+ CRI)
<b>Installation:</b>	Suspension from Ceiling
<b>Luminous Length:</b>	47.75 in
<b>Luminous Width:</b>	0.81 in
<b>Luminous Height:</b>	0.00 in

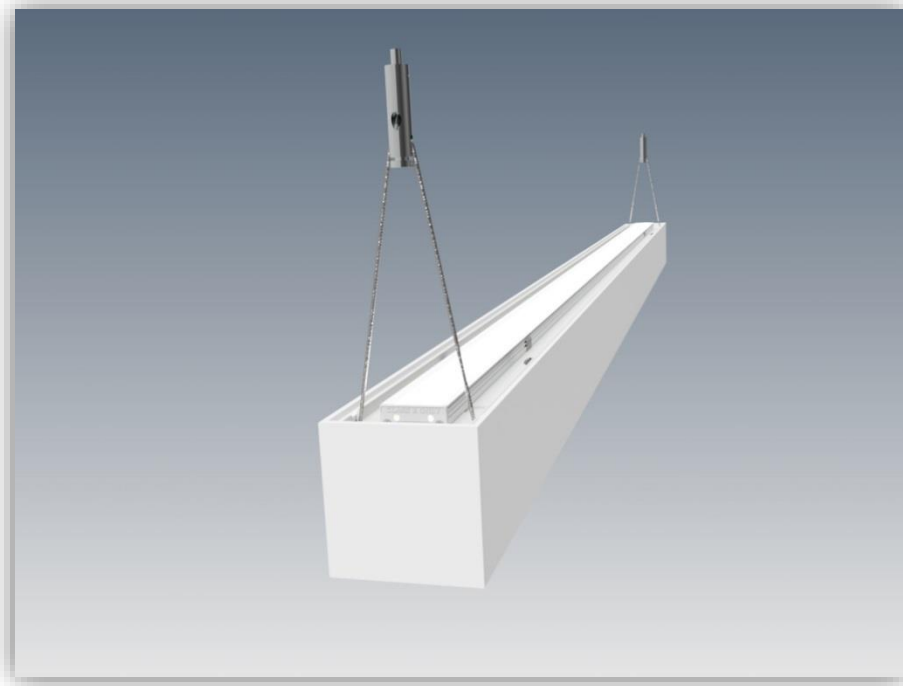


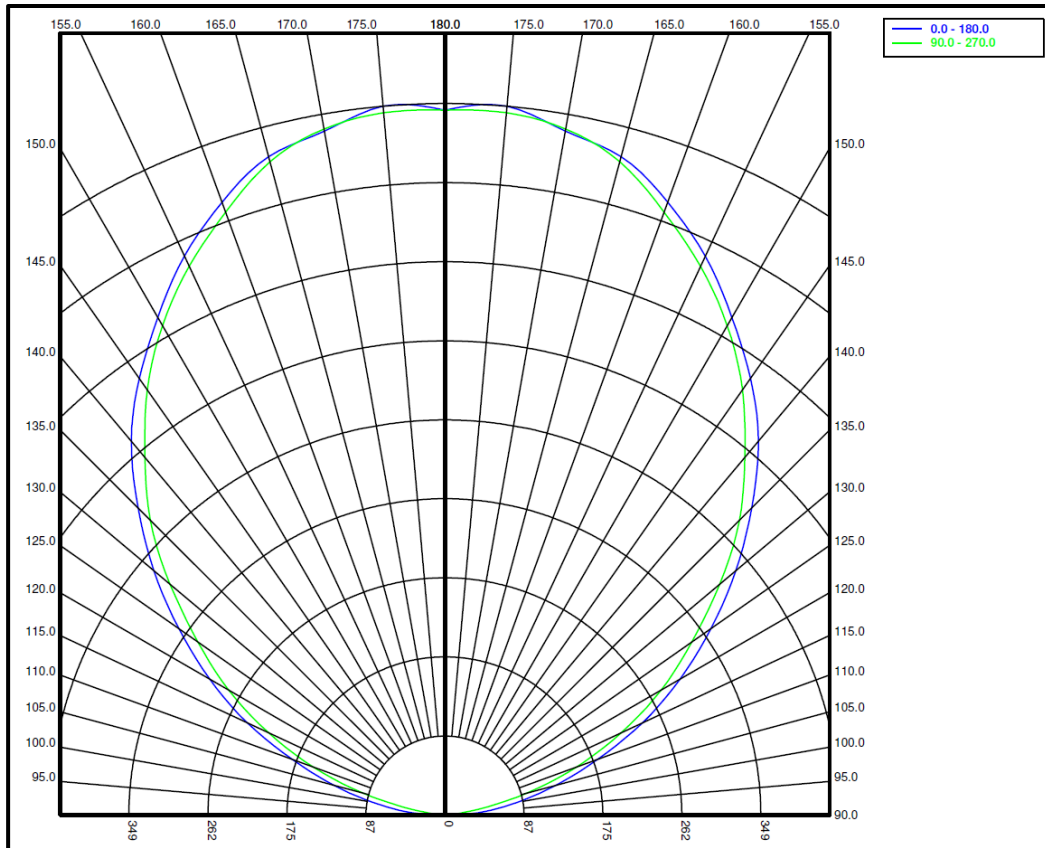
Image may differ slightly from actual unit

### **Summary of Results**

<b>System Power:</b>	18.7W
<b>Total Luminaire Output:</b>	2004 Lumens
<b>Luminaire Efficacy:</b>	107 lm/W
<b>Max Candela:</b>	785.25 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	0	0.0%	90-100	28.02	1.4%
10-20	0	0.0%	100-110	119.9	6.0%
20-30	0	0.0%	110-120	225.78	11.3%
30-40	0	0.0%	120-130	310.52	15.5%
40-50	0	0.0%	130-140	361.96	18.1%
50-60	0	0.0%	140-150	363.14	18.1%
60-70	0	0.0%	150-160	310.63	15.5%
70-80	0	0.0%	160-170	210.12	10.5%
80-90	0	0.0%	170-180	73.99	3.7%
0-90	0	0.0%	0-180	2004.06	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
<b>90</b>	9	1	1	0	0	0	1	1	9	1	1	0	0	1	1	1
<b>95</b>	44	32	14	9	8	9	14	32	44	32	14	9	8	9	14	32
<b>100</b>	81	78	62	45	39	45	62	78	81	78	62	45	39	45	62	78
<b>105</b>	127	124	115	101	94	101	115	124	127	124	115	101	94	101	115	124
<b>110</b>	180	179	169	159	154	159	169	179	180	179	169	159	154	159	169	179
<b>115</b>	241	237	228	220	215	220	228	237	241	237	228	220	215	220	228	237
<b>120</b>	300	297	287	278	276	278	287	297	300	297	287	278	276	278	287	297
<b>125</b>	359	355	346	337	333	337	346	355	359	355	346	337	333	337	346	355
<b>130</b>	420	416	408	401	396	401	408	416	420	416	408	401	396	401	408	416
<b>135</b>	479	475	468	465	460	465	468	475	479	475	468	465	460	465	468	475
<b>140</b>	539	533	529	521	515	521	529	533	539	533	529	521	515	521	529	533
<b>145</b>	588	586	581	576	573	576	581	586	588	586	581	576	573	576	581	586
<b>150</b>	634	635	629	626	624	626	629	635	634	635	629	626	624	626	629	635
<b>155</b>	681	677	673	674	668	674	673	677	681	677	673	674	668	674	673	677
<b>160</b>	720	716	713	711	708	711	713	716	720	716	713	711	708	711	713	716
<b>165</b>	752	750	744	741	746	741	744	750	752	750	744	741	746	741	744	750
<b>170</b>	767	771	766	767	769	767	766	771	767	771	766	767	769	767	766	771
<b>175</b>	785	783	779	776	778	776	779	783	785	783	779	776	778	776	779	783
<b>180</b>	778	778	778	778	778	778	778	778	778	778	778	778	778	778	778	778

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
<b>0</b>	0	0	0
<b>45</b>	0	0	0
<b>55</b>	0	0	0
<b>65</b>	0	0	0
<b>75</b>	0	0	0
<b>85</b>	0	0	0

**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	1904	1904	1904	1904	1623	1623	1623	1623	1122	1122	1122	641	641	641	200	200	200	0
1	1744	1663	1583	1523	1483	1423	1363	1303	962	942	902	561	541	521	180	180	160	0
2	1583	1443	1323	1243	1343	1243	1142	1062	842	802	742	481	461	441	160	140	140	0
3	1443	1263	1122	1022	1222	1082	982	882	742	681	621	421	401	361	140	120	120	0
4	1303	1122	962	862	1122	962	842	742	661	581	521	381	341	321	120	120	100	0
5	1202	982	842	721	1022	842	721	641	581	501	441	341	301	261	100	100	80	0
6	1102	882	721	621	942	762	641	541	521	441	381	301	261	220	100	80	80	0
7	1002	782	641	541	862	681	561	461	461	381	341	281	220	200	80	80	60	0
8	942	701	561	461	802	601	481	401	421	341	281	240	200	180	80	60	60	0
9	862	641	501	401	742	561	441	361	381	301	261	220	180	160	80	60	60	0
10	802	581	441	361	681	501	381	321	341	281	220	200	160	140	60	60	40	0

