



**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**  
**CV5-L-4'-I10-30K-80-OPL-20°**  
(White Housing – Indirect – Opal Lens)

Test Number

**IES-P00059**

Test Date

2017-02-21

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



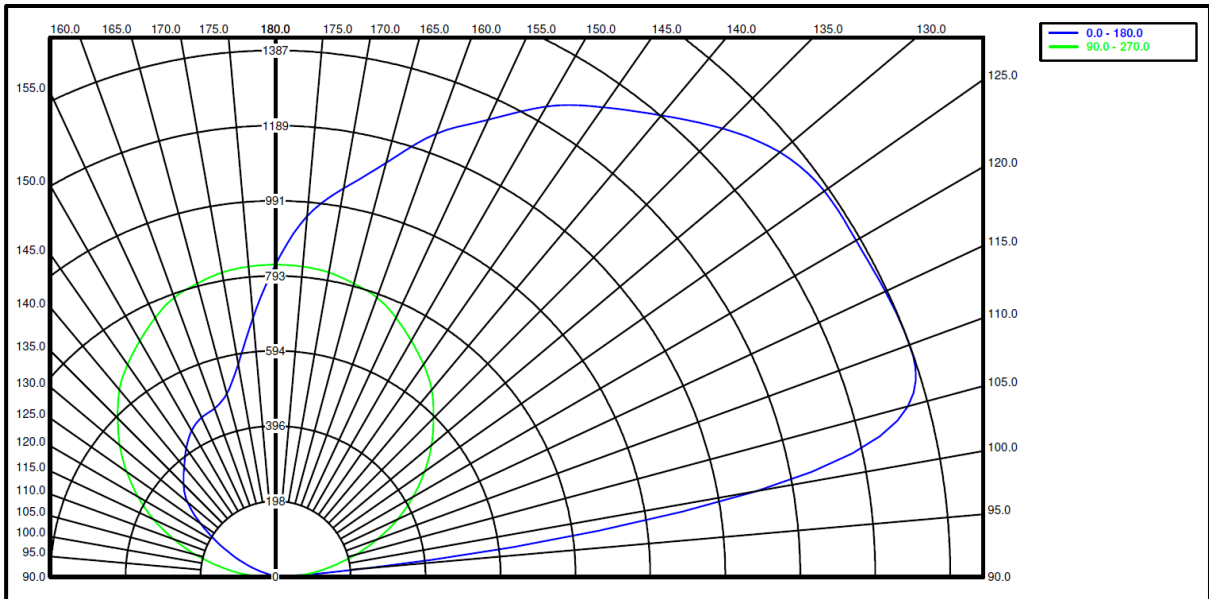
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	41.9W
<b>Total Luminaire Output:</b>	4050 Lumens
<b>Luminaire Efficacy:</b>	97 lm/W
<b>Max Candela:</b>	1783.46 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	237.56	5.9%
10-20	0	0.0%	100-110	602.16	14.9%
20-30	0	0.0%	110-120	675.93	16.7%
30-40	0.03	0.0%	120-130	682.64	16.9%
40-50	0.25	0.0%	130-140	620.95	15.3%
50-60	1.1	0.0%	140-150	511.97	12.6%
60-70	3.44	0.1%	150-160	374.62	9.3%
70-80	8.9	0.2%	160-170	226.85	5.6%
80-90	25.44	0.6%	170-180	77.88	1.9%
0-90	39.16	1.0%	0-180	4049.72	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	1	0	0	0	0	0	0	0	0	0	0	0	1	1
50	0	1	3	1	0	0	0	0	0	0	0	0	0	1	3	1
55	0	3	5	1	0	0	0	0	0	0	0	0	0	1	5	3
60	0	4	8	3	0	0	0	0	0	0	0	0	0	3	8	4
65	0	7	13	6	0	0	0	0	0	0	0	0	0	6	13	7
70	0	10	20	11	0	0	1	1	0	1	1	0	0	11	20	10
75	0	13	27	18	1	1	2	1	0	1	2	1	1	18	27	13
80	7	20	36	32	3	2	3	2	0	2	3	2	3	32	36	20
85	18	34	53	49	10	5	5	2	0	2	5	5	10	49	53	34
90	37	57	85	95	40	9	6	2	0	2	6	9	40	95	85	57
95	247	311	461	426	95	18	7	2	0	2	7	18	95	426	461	311
100	1288	1276	1061	572	151	56	17	3	0	3	17	56	151	572	1061	1276
105	1730	1590	1163	640	218	110	60	27	16	27	60	110	218	640	1163	1590
110	1783	1621	1199	704	287	167	115	75	63	75	115	167	287	704	1199	1621
115	1779	1623	1250	757	356	216	176	130	115	130	176	216	356	757	1250	1623
120	1772	1634	1285	804	420	260	238	192	175	192	238	260	420	804	1285	1634
125	1771	1652	1294	845	480	300	284	257	241	257	284	300	480	845	1294	1652
130	1740	1619	1284	883	538	338	323	315	304	315	323	338	538	883	1284	1619
135	1671	1563	1267	912	590	376	362	347	344	347	362	376	590	912	1267	1563
140	1587	1499	1253	937	642	407	395	383	376	383	395	407	642	937	1253	1499
145	1510	1439	1222	946	682	443	418	417	412	417	418	443	682	946	1222	1439
150	1431	1367	1176	957	717	490	441	441	443	441	441	490	717	957	1176	1367
155	1329	1276	1130	961	752	538	459	457	462	457	459	538	752	961	1130	1276
160	1243	1195	1088	943	783	598	488	474	471	474	488	598	783	943	1088	1195
165	1129	1106	1030	925	800	652	545	499	499	499	545	652	800	925	1030	1106
170	1040	1030	973	896	814	719	630	579	568	579	630	719	814	896	973	1030
175	954	941	909	874	820	777	732	703	684	703	732	777	820	874	909	941
180	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823	823

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	14	1
55	0	61	1
65	1	193	4
75	3	558	28
85	474	1731	817

**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	3847	3847	3847	3847	3321	3321	3321	3321	2268	2268	2268	1336	1336	1336	445	445	445	40
1	3523	3321	3199	3037	2997	2875	2754	2632	1944	1903	1822	1134	1093	1053	364	364	364	0
2	3199	2916	2673	2470	2713	2511	2308	2146	1701	1579	1498	1012	931	891	324	324	283	0
3	2916	2551	2268	2065	2470	2187	1944	1782	1498	1377	1255	891	810	729	283	283	243	0
4	2632	2227	1944	1741	2268	1944	1701	1498	1336	1174	1053	769	688	607	243	243	202	0
5	2430	1984	1701	1458	2065	1701	1458	1255	1174	1012	891	688	607	526	243	202	162	0
6	2227	1782	1458	1255	1903	1539	1255	1093	1053	891	769	607	526	445	202	162	162	0
7	2025	1579	1296	1093	1741	1377	1134	931	931	769	648	567	445	405	202	162	121	0
8	1863	1417	1134	931	1620	1215	972	810	850	688	567	486	405	364	162	121	121	0
9	1741	1296	1012	810	1498	1093	891	729	769	607	526	445	364	324	162	121	121	0
10	1620	1174	891	729	1377	1012	769	648	688	567	445	405	324	283	121	121	81	0

