

## **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-15°**  
(White Housing – Indirect – Opal Lens)

Test Number

**IES-P00058**

Test Date

2017-02-23

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>	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



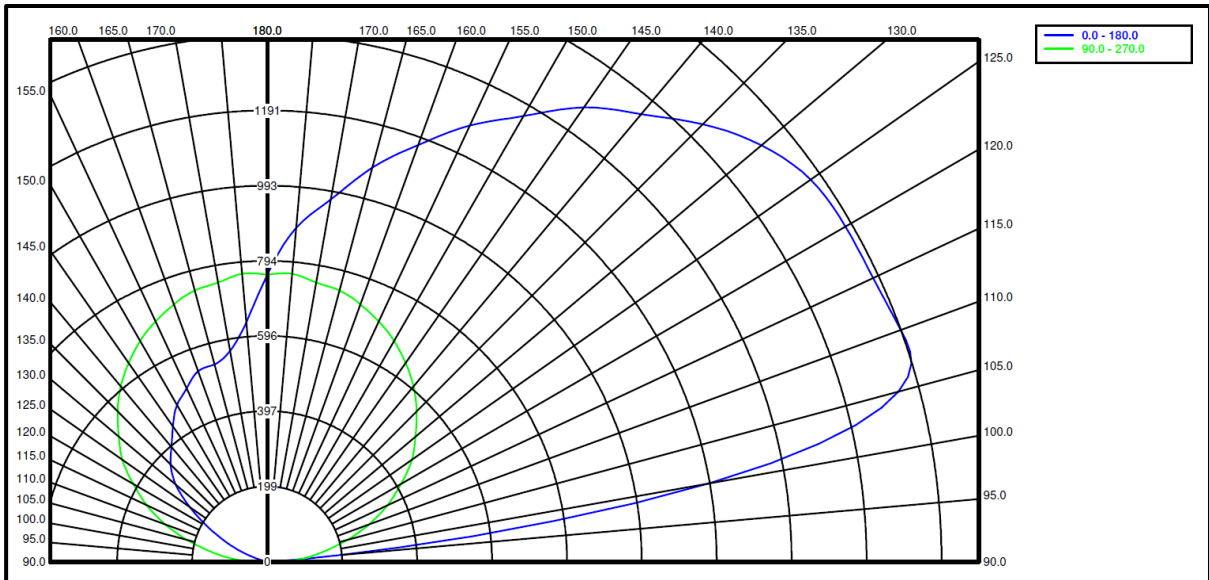
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	41.9W
<b>Total Luminaire Output:</b>	3993 Lumens
<b>Luminaire Efficacy:</b>	95 lm/W
<b>Max Candela:</b>	1786.99 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	223.56	5.6%
10-20	0	0.0%	100-110	600.08	15.0%
20-30	0.01	0.0%	110-120	676.26	16.9%
30-40	0.05	0.0%	120-130	679.09	17.0%
40-50	0.34	0.0%	130-140	612.94	15.3%
50-60	1.28	0.0%	140-150	503	12.6%
60-70	3.82	0.1%	150-160	366.36	9.2%
70-80	9.74	0.2%	160-170	217.86	5.5%
80-90	26.49	0.7%	170-180	72.28	1.8%
0-90	41.73	1.0%	0-180	3993.16	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	2	3	1	0	0	0	0	0	0	0	0	0	1	3	2
55	0	3	5	2	0	0	0	0	0	0	0	0	0	2	5	3
60	0	5	9	4	0	0	0	0	0	0	0	0	0	4	9	5
65	0	7	14	7	0	0	0	0	0	0	0	0	0	7	14	7
70	0	11	21	12	0	0	1	1	0	1	1	0	0	12	21	11
75	0	14	30	20	1	1	2	1	0	1	2	1	1	20	30	14
80	7	22	39	34	3	2	3	1	0	1	3	2	3	34	39	22
85	20	37	57	53	10	5	5	2	0	2	5	5	10	53	57	37
90	33	55	84	95	41	9	6	2	0	2	6	9	41	95	84	55
95	197	251	404	416	97	19	8	3	0	3	8	19	97	416	404	251
100	1191	1211	1058	576	153	57	18	3	0	3	18	57	153	576	1058	1211
105	1732	1591	1165	643	219	115	60	27	16	27	60	115	219	643	1165	1591
110	1787	1619	1201	706	287	174	117	76	63	76	117	174	287	706	1201	1619
115	1772	1610	1252	751	351	228	181	134	117	134	181	228	351	751	1252	1610
120	1769	1633	1277	787	410	280	247	198	180	198	247	280	410	787	1277	1633
125	1758	1631	1270	822	468	326	299	267	249	267	299	326	468	822	1270	1631
130	1710	1580	1254	851	513	376	344	327	316	327	344	376	513	851	1254	1580
135	1633	1518	1233	882	560	408	383	363	361	363	383	408	560	882	1233	1518
140	1542	1451	1198	893	603	446	425	401	395	401	425	446	603	893	1198	1451
145	1464	1378	1160	905	640	475	466	447	436	447	466	475	640	905	1160	1378
150	1359	1301	1114	910	673	504	494	481	477	481	494	504	673	910	1114	1301
155	1271	1209	1079	903	700	533	515	509	504	509	515	533	700	903	1079	1209
160	1171	1127	1029	885	722	565	534	534	535	534	534	565	722	885	1029	1127
165	1077	1045	972	869	742	600	552	542	539	542	552	600	742	869	972	1045
170	971	969	913	838	749	656	590	568	565	568	590	656	749	838	913	969
175	885	866	848	812	763	710	660	646	634	646	660	710	763	812	848	866
180	757	757	757	757	757	757	757	757	757	757	757	757	757	757	757	757

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	22	1
55	0	67	1
65	1	212	5
75	3	614	40
85	533	1864	878

**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	3794	3794	3794	3794	3274	3274	3274	3274	2236	2236	2236	1318	1318	1318	439	439	439	40
1	3474	3274	3155	2995	2955	2835	2715	2596	1917	1877	1797	1118	1078	1038	359	359	359	0
2	3155	2875	2635	2436	2675	2476	2276	2116	1677	1557	1477	998	918	878	319	319	280	0
3	2875	2516	2236	2037	2436	2156	1917	1757	1477	1358	1238	878	799	719	280	280	240	0
4	2596	2196	1917	1717	2236	1917	1677	1477	1318	1158	1038	759	679	599	240	240	200	0
5	2396	1957	1677	1438	2037	1677	1438	1238	1158	998	878	679	599	519	240	200	160	0
6	2196	1757	1438	1238	1877	1517	1238	1078	1038	878	759	599	519	439	200	160	160	0
7	1997	1557	1278	1078	1717	1358	1118	918	918	759	639	559	439	399	200	160	120	0
8	1837	1398	1118	918	1597	1198	958	799	839	679	559	479	399	359	160	120	120	0
9	1717	1278	998	799	1477	1078	878	719	759	599	519	439	359	319	160	120	120	0
10	1597	1158	878	719	1358	998	759	639	679	559	439	399	319	280	120	120	80	0

