

## **Indoor Distribution Test Report**

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

46 Sellers St.  
Kearny, NJ 07032

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

**Catalog Number**  
**CV5-L-4'-I3-30K-80-OPL-10°**  
(White Housing – Indirect – Opal Lens)

Test Number

**IES-P00042**

Test Date

2017-02-24

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



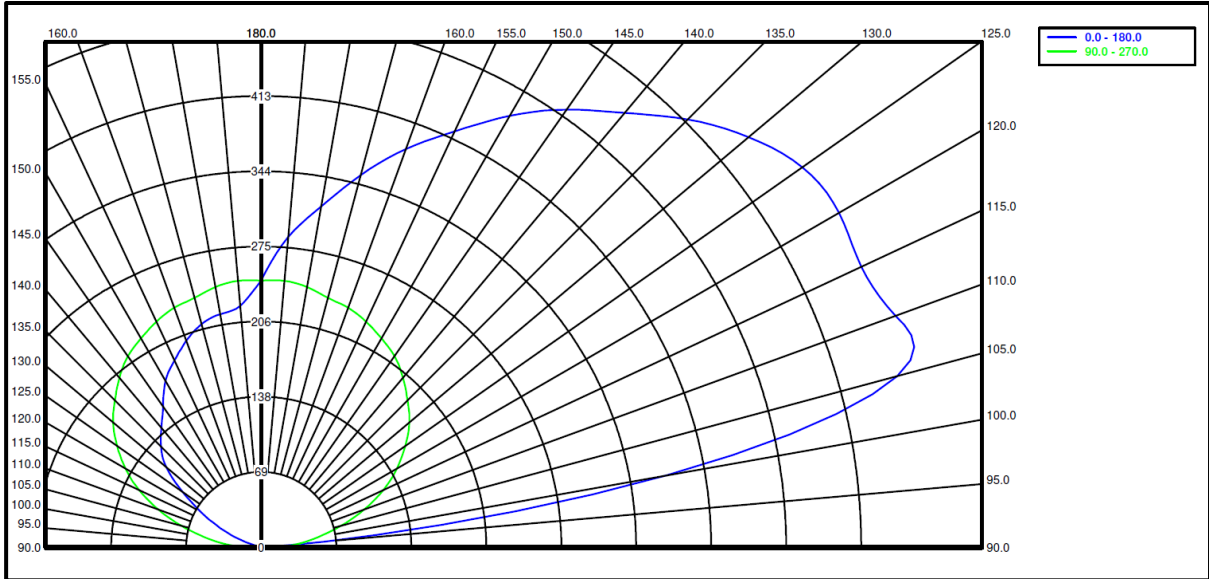
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	13.9W
<b>Total Luminaire Output:</b>	1376 Lumens
<b>Luminaire Efficacy:</b>	99 lm/W
<b>Max Candela:</b>	619.4 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	73.85	5.4%
10-20	0	0.0%	100-110	207.49	15.1%
20-30	0	0.0%	110-120	235.25	17.1%
30-40	0.03	0.0%	120-130	235.2	17.1%
40-50	0.16	0.0%	130-140	210.85	15.3%
50-60	0.53	0.0%	140-150	172.88	12.6%
60-70	1.45	0.1%	150-160	126.21	9.2%
70-80	3.68	0.3%	160-170	74.68	5.4%
80-90	9.72	0.7%	170-180	23.93	1.7%
0-90	15.57	1.1%	0-180	1375.91	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	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
50	0	1	2	1	0	0	0	0	0	0	0	0	0	1	2	1
55	0	1	2	1	0	0	0	0	0	0	0	0	0	1	2	1
60	0	2	3	2	0	0	0	0	0	0	0	0	0	2	3	2
65	0	3	5	3	0	0	0	0	0	0	0	0	0	3	5	3
70	0	4	8	5	0	0	0	0	0	0	0	0	0	5	8	4
75	0	5	11	8	1	0	1	0	0	0	1	0	1	8	11	5
80	3	8	15	13	1	1	1	1	0	1	1	1	1	13	15	8
85	8	14	22	20	4	2	2	1	0	1	2	2	4	20	22	14
90	11	19	29	33	14	3	2	1	0	1	2	3	14	33	29	19
95	58	75	126	141	33	7	3	1	0	1	3	7	33	141	126	75
100	378	396	363	202	53	21	6	1	0	1	6	21	53	202	363	396
105	604	555	406	226	76	41	21	10	6	10	21	41	76	226	406	555
110	619	559	417	245	100	63	41	27	22	27	41	63	100	245	417	559
115	608	559	435	260	124	84	65	47	42	47	65	84	124	260	435	559
120	612	568	441	270	144	102	88	70	63	70	88	102	144	270	441	568
125	606	560	433	280	161	121	107	96	88	96	107	121	161	280	433	560
130	584	542	423	290	177	140	121	117	114	117	121	140	177	290	423	542
135	554	513	413	298	190	156	139	130	130	130	139	156	190	298	413	513
140	519	485	404	301	202	170	156	144	143	144	156	170	202	301	404	485
145	489	461	391	301	213	183	171	161	157	161	171	183	213	301	391	461
150	456	433	375	300	221	194	185	179	176	179	185	194	221	300	375	433
155	420	403	360	298	228	201	197	191	188	191	197	201	228	298	360	403
160	388	375	340	294	233	209	207	202	201	202	207	209	233	294	340	375
165	353	344	319	285	236	215	211	213	211	213	211	215	236	285	319	344
170	317	317	298	271	242	219	216	217	216	217	216	219	242	271	298	317
175	285	286	274	256	245	227	223	222	222	222	223	227	245	256	274	286
180	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244

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

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	11	0
55	0	27	1
65	0	77	2
75	1	231	19
85	208	713	328

**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	1321	1321	1321	1321	1128	1128	1128	1128	771	771	771	454	454	454	151	151	151	14
1	1197	1128	1087	1032	1018	977	936	894	660	647	619	385	371	358	124	124	124	0
2	1087	991	908	839	922	853	784	729	578	537	509	344	316	303	110	110	96	0
3	991	867	771	702	839	743	660	605	509	468	427	303	275	248	96	96	83	0
4	894	757	660	592	771	660	578	509	454	399	358	261	234	206	83	83	69	0
5	826	674	578	495	702	578	495	427	399	344	303	234	206	179	83	69	55	0
6	757	605	495	427	647	523	427	371	358	303	261	206	179	151	69	55	55	0
7	688	537	440	371	592	468	385	316	316	261	220	193	151	138	69	55	41	0
8	633	482	385	316	550	413	330	275	289	234	193	165	138	124	55	41	41	0
9	592	440	344	275	509	371	303	248	261	206	179	151	124	110	55	41	41	0
10	550	399	303	248	468	344	261	220	234	193	151	138	110	96	41	41	28	0

