

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-5°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00041

Test Date

2017-02-24

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	White enamel steel housing / reflector, Indirect w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Cove Mounted
Luminous Length:	48.00 in
Luminous Width:	3.63 in
Luminous Height:	0.88 in



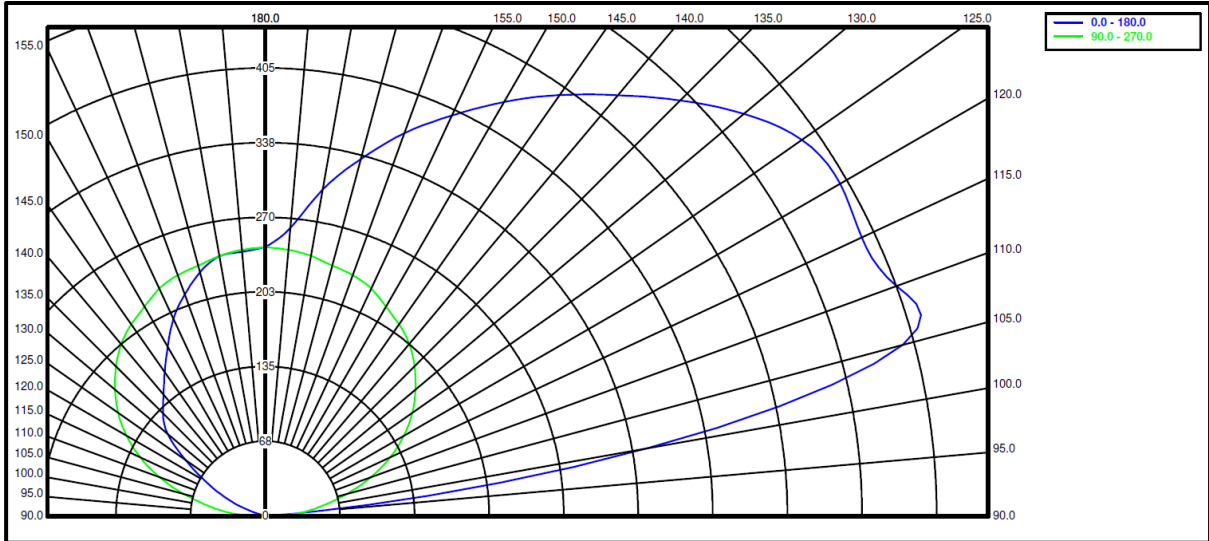
Image may differ slightly from actual unit

Summary of Results

System Power:	13.9W
Total Luminaire Output:	1355 Lumens
Luminaire Efficacy:	97 lm/W
Max Candela:	607.84 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	70.89	5.2%
10-20	0	0.0%	100-110	204.4	15.1%
20-30	0	0.0%	110-120	232.53	17.2%
30-40	0.04	0.0%	120-130	231.76	17.1%
40-50	0.2	0.0%	130-140	206.56	15.2%
50-60	0.6	0.0%	140-150	169.37	12.5%
60-70	1.58	0.1%	150-160	124.87	9.2%
70-80	3.88	0.3%	160-170	74.3	5.5%
80-90	10.22	0.8%	170-180	23.75	1.8%
0-90	16.52	1.2%	0-180	1354.95	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	3	1	0	0	0	0	0	0	0	0	0	1	3	1
60	0	2	4	2	0	0	0	0	0	0	0	0	0	2	4	2
65	0	3	6	3	0	0	0	0	0	0	0	0	0	3	6	3
70	0	4	8	5	0	0	0	0	0	0	0	0	0	5	8	4
75	0	6	12	8	1	0	1	0	0	0	1	0	1	8	12	6
80	3	9	16	13	2	1	1	1	0	1	1	1	2	13	16	9
85	8	15	23	21	4	2	2	1	0	1	2	2	4	21	23	15
90	12	20	31	34	15	4	2	1	0	1	2	4	15	34	31	20
95	51	67	115	138	33	7	3	1	0	1	3	7	33	138	115	67
100	352	376	356	202	53	20	7	1	0	1	7	20	53	202	356	376
105	598	545	401	226	77	41	21	10	5	10	21	41	77	226	401	545
110	608	548	415	244	102	63	42	26	22	26	42	63	102	244	415	548
115	596	549	432	254	125	85	65	47	41	47	65	85	125	254	432	549
120	601	561	432	264	145	105	90	70	63	70	90	105	145	264	432	561
125	593	549	421	273	162	125	109	96	88	96	109	125	162	273	421	549
130	566	524	409	281	177	145	125	119	115	119	125	145	177	281	409	524
135	532	492	398	286	191	164	140	132	131	132	140	164	191	286	398	492
140	497	464	387	289	203	180	159	146	143	146	159	180	203	289	387	464
145	465	438	373	288	211	195	177	162	159	162	177	195	211	288	373	438
150	432	414	360	285	218	208	195	183	176	183	195	208	218	285	360	414
155	400	386	342	279	227	220	210	199	197	199	210	220	227	279	342	386
160	369	357	324	271	232	228	223	214	213	214	223	228	232	271	324	357
165	334	327	300	260	234	233	233	228	228	228	233	233	234	260	300	327
170	300	294	275	252	239	237	237	237	239	237	237	237	239	252	275	294
175	262	262	254	243	242	238	238	237	240	237	238	238	242	243	254	262
180	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	12	0
55	0	31	1
65	0	83	5
75	1	237	25
85	223	756	347

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	1301	1301	1301	1301	1111	1111	1111	1111	759	759	759	447	447	447	149	149	149	14
1	1179	1111	1070	1016	1003	962	921	881	650	637	610	379	366	352	122	122	122	0
2	1070	976	894	827	908	840	772	718	569	528	501	339	312	298	108	108	95	0
3	976	854	759	691	827	732	650	596	501	461	420	298	271	244	95	95	81	0
4	881	745	650	583	759	650	569	501	447	393	352	257	230	203	81	81	68	0
5	813	664	569	488	691	569	488	420	393	339	298	230	203	176	81	68	54	0
6	745	596	488	420	637	515	420	366	352	298	257	203	176	149	68	54	54	0
7	677	528	434	366	583	461	379	312	312	257	217	190	149	135	68	54	41	0
8	623	474	379	312	542	406	325	271	285	230	190	163	135	122	54	41	41	0
9	583	434	339	271	501	366	298	244	257	203	176	149	122	108	54	41	41	0
10	542	393	298	244	461	339	257	217	230	190	149	135	108	95	41	41	27	0

