



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

TRU-L-4'-D10-I3-30K-80-OPL-W

(White Housing – Direct / Indirect – Opal Lens)

Test Number

IES-P00013

Test Date

2017-01-13

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Aluminum, Extruded Housing, Direct / Indirect w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling
Luminous Length:	47.50 in
Luminous Width:	2.75 in
Luminous Height:	0.00 in



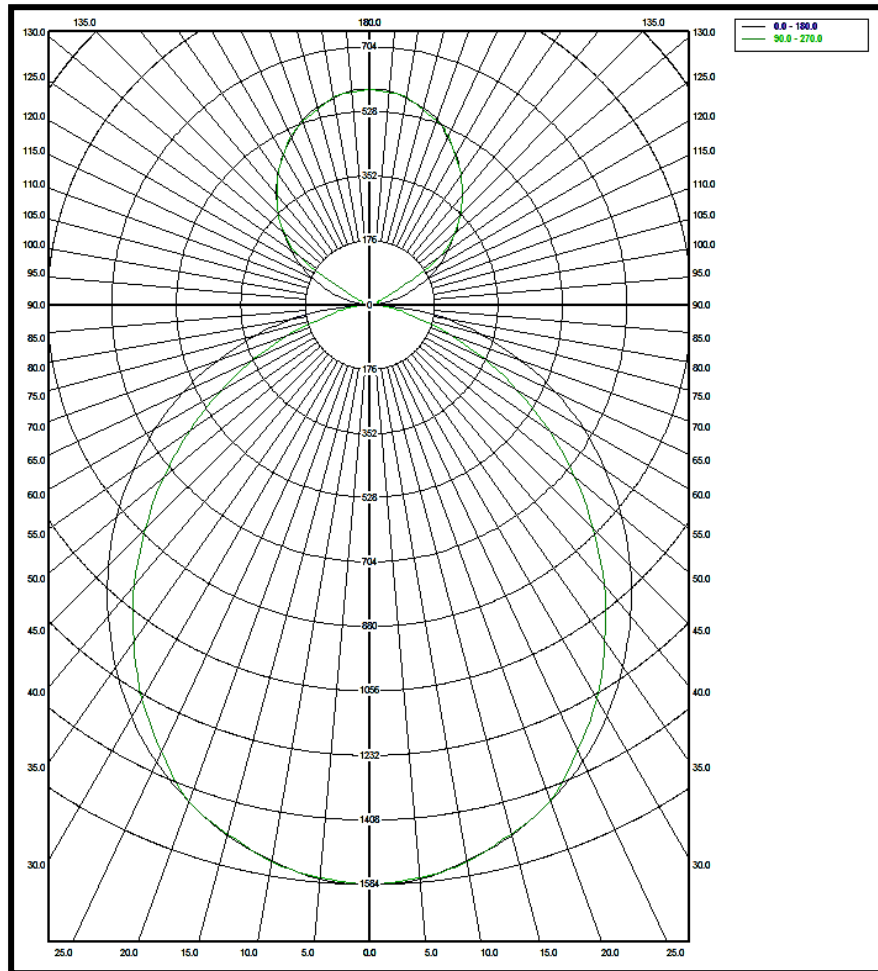
Image may differ slightly from actual unit

Summary of Results

System Power:	63.6W
Total Luminaire Output:	5412 Lumens
Luminaire Efficacy:	85 lm/W
Max Candela:	1583.7 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	148.94	2.8%	90-100	13.49	0.2%
10-20	422.74	7.8%	100-110	46.99	0.9%
20-30	630.18	11.6%	110-120	121.97	2.3%
30-40	734.29	13.6%	120-130	228.16	4.2%
40-50	728.7	13.5%	130-140	273.54	5.1%
50-60	622.99	11.5%	140-150	274.03	5.1%
60-70	440.68	8.1%	150-160	233.73	4.3%
70-80	222.42	4.1%	160-170	157.28	2.9%
80-90	56.19	1.0%	170-180	55.63	1.0%
0-90	4007.13	74.0%	0-180	5411.95	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	1584	1584	1584	1584	1584	1584	1584	1584	1584	1584	1584	1584	1584	1584	1584	1584
5	1575	1566	1570	1571	1571	1571	1570	1566	1575	1566	1570	1571	1571	1571	1570	1566
10	1542	1540	1537	1537	1546	1537	1537	1540	1542	1540	1537	1537	1546	1537	1537	1540
15	1502	1497	1499	1499	1498	1499	1499	1497	1502	1497	1499	1499	1498	1499	1499	1497
20	1444	1449	1445	1439	1444	1439	1445	1449	1444	1449	1445	1439	1444	1439	1445	1449
25	1380	1377	1377	1361	1347	1361	1377	1377	1380	1377	1377	1361	1347	1361	1377	1377
30	1299	1298	1287	1257	1243	1257	1287	1298	1299	1298	1287	1257	1243	1257	1287	1298
35	1208	1208	1184	1139	1122	1139	1184	1208	1208	1208	1184	1139	1122	1139	1184	1208
40	1111	1110	1066	1018	1000	1018	1066	1110	1111	1110	1066	1018	1000	1018	1066	1110
45	1009	1006	945	890	865	890	945	1006	1009	1006	945	890	865	890	945	1006
50	902	891	821	761	734	761	821	891	902	891	821	761	734	761	821	891
55	790	772	691	625	602	625	691	772	790	772	691	625	602	625	691	772
60	678	649	564	493	472	493	564	649	678	649	564	493	472	493	564	649
65	562	523	431	369	348	369	431	523	562	523	431	369	348	369	431	523
70	442	396	304	250	232	250	304	396	442	396	304	250	232	250	304	396
75	324	269	185	140	128	140	185	269	324	269	185	140	128	140	185	269
80	208	146	85	76	77	76	85	146	208	146	85	76	77	76	85	146
85	80	44	39	39	39	39	39	44	80	44	39	39	39	39	39	44
90	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
95	21	8	10	10	10	10	10	8	21	8	10	10	10	10	10	8
100	55	26	16	18	19	18	16	26	55	26	16	18	19	18	16	26
105	89	72	19	21	22	21	19	72	89	72	19	21	22	21	19	72
110	129	131	51	23	23	23	51	131	129	131	51	23	23	23	51	131
115	173	177	141	46	32	46	141	177	173	177	141	46	32	46	141	177
120	219	220	219	157	109	157	219	220	219	220	219	157	109	157	219	220
125	263	265	267	258	243	258	267	265	263	265	267	258	243	258	267	265
130	310	311	311	309	305	309	311	311	310	311	311	309	305	309	311	311
135	354	354	357	354	354	354	357	354	354	354	357	354	354	354	357	354
140	396	397	397	399	395	399	397	397	396	397	397	399	395	399	397	397
145	438	439	439	440	437	440	439	439	438	439	439	440	437	440	439	439
150	474	476	475	475	472	475	475	476	474	476	475	475	472	475	475	476
155	505	506	509	507	509	507	509	506	505	506	509	507	509	507	509	506
160	538	535	538	536	534	536	538	535	538	535	538	536	534	536	538	535
165	557	557	557	561	552	561	557	557	557	557	557	561	552	561	557	557
170	572	574	579	574	575	574	579	574	572	574	579	574	575	574	579	574
175	587	585	592	587	582	587	592	585	587	585	592	587	582	587	592	585
180	589	589	589	589	589	589	589	589	589	589	589	589	589	589	589	589

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	18792	18792	18792
45	15015	6021	4559
55	13831	4290	3021
65	12405	2689	1717
75	10078	1195	641
85	4478	268	202

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	6116	6116	6116	6116	5791	5791	5791	5791	5250	5250	5250	4708	4708	4708	4221	4221	4221	4005
1	5574	5358	5141	4979	5304	5087	4925	4763	4600	4492	4330	4167	4059	3951	3788	3680	3626	3410
2	5087	4708	4330	4059	4817	4492	4167	3897	4059	3842	3626	3680	3518	3301	3301	3193	3031	2868
3	4654	4113	3734	3410	4438	3951	3572	3301	3572	3301	3031	3247	3031	2814	2977	2760	2598	2435
4	4275	3680	3247	2868	4059	3518	3085	2814	3193	2868	2598	2922	2652	2435	2652	2435	2273	2111
5	3951	3301	2814	2489	3734	3139	2706	2435	2868	2544	2273	2598	2327	2111	2381	2165	1948	1840
6	3626	2977	2489	2165	3464	2814	2435	2111	2598	2219	2002	2381	2057	1840	2165	1948	1732	1624
7	3355	2652	2219	1894	3193	2544	2165	1840	2381	2002	1732	2165	1894	1678	2002	1732	1569	1407
8	3139	2435	2002	1732	2977	2327	1948	1678	2165	1840	1569	2002	1678	1461	1840	1569	1407	1299
9	2922	2219	1840	1515	2760	2165	1732	1515	2002	1624	1407	1840	1515	1353	1678	1461	1245	1137
10	2760	2057	1678	1407	2598	2002	1624	1353	1840	1515	1299	1678	1407	1191	1569	1299	1137	1028

