



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'-D7-I10-30K-80-OPL-W

(White Housing – Direct / Indirect – Opal Lens)

Test Number

IES-P00012

Test Date

2017-01-12

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



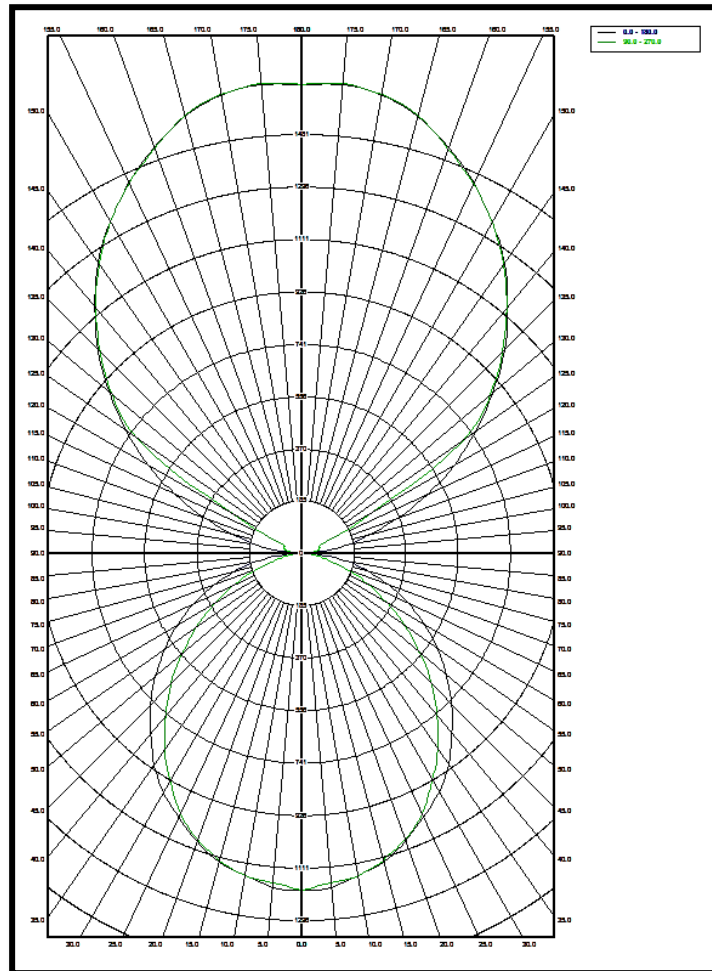
Image may differ slightly from actual unit

Summary of Results

System Power:	75.6W
Total Luminaire Output:	7016 Lumens
Luminaire Efficacy:	93 lm/W
Max Candela:	1675.54 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	111.99	1.6%	90-100	36.84	0.5%
10-20	317.03	4.5%	100-110	134.22	1.9%
20-30	472.04	6.7%	110-120	348.81	5.0%
30-40	550.79	7.9%	120-130	651.76	9.3%
40-50	546.37	7.8%	130-140	781.84	11.1%
50-60	466.84	6.7%	140-150	782.48	11.2%
60-70	330.49	4.7%	150-160	666.66	9.5%
70-80	167.07	2.4%	160-170	449.68	6.4%
80-90	42.5	0.6%	170-180	158.15	2.3%
0-90	3005.12	42.8%	0-180	7015.56	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	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190
5	1184	1191	1181	1179	1167	1179	1181	1191	1184	1191	1181	1179	1167	1179	1181	1191
10	1156	1158	1156	1157	1157	1157	1156	1158	1156	1158	1156	1157	1157	1157	1156	1158
15	1128	1121	1128	1124	1122	1124	1128	1121	1128	1121	1128	1124	1122	1124	1128	1121
20	1081	1081	1081	1079	1075	1079	1081	1081	1081	1081	1081	1079	1075	1079	1081	1081
25	1027	1033	1031	1019	1014	1019	1031	1033	1027	1033	1031	1019	1014	1019	1031	1033
30	976	976	966	942	928	942	966	976	976	976	966	942	928	942	966	976
35	910	904	889	852	845	852	889	904	910	904	889	852	845	852	889	904
40	830	834	802	763	748	763	802	834	830	834	802	763	748	763	802	834
45	755	751	710	666	655	666	710	751	755	751	710	666	655	666	710	751
50	674	667	617	569	551	569	617	667	674	667	617	569	551	569	617	667
55	591	578	520	468	453	468	520	578	591	578	520	468	453	468	520	578
60	506	485	422	371	355	371	422	485	506	485	422	371	355	371	422	485
65	420	392	323	277	262	277	323	392	420	392	323	277	262	277	323	392
70	333	296	229	188	176	188	229	296	333	296	229	188	176	188	229	296
75	244	202	139	105	95	105	139	202	244	202	139	105	95	105	139	202
80	155	109	63	57	57	57	63	109	155	109	63	57	57	57	63	109
85	60	33	29	29	29	29	29	33	60	33	29	29	29	29	29	33
90	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
95	61	24	28	28	28	28	28	24	61	24	28	28	28	28	28	24
100	159	74	45	52	53	52	45	74	159	74	45	52	53	52	45	74
105	255	204	54	60	63	60	54	204	255	204	54	60	63	60	54	204
110	370	374	145	66	66	66	145	374	370	374	145	66	66	66	145	374
115	495	506	404	133	93	133	404	506	495	506	404	133	93	133	404	506
120	624	631	626	447	311	447	626	631	624	631	626	447	311	447	626	631
125	752	756	761	737	696	737	761	756	752	756	761	737	696	737	761	756
130	885	888	888	883	875	883	888	888	885	888	888	883	875	883	888	888
135	1018	1017	1018	1011	1008	1011	1018	1017	1018	1017	1018	1011	1008	1011	1018	1017
140	1137	1136	1137	1135	1131	1135	1137	1136	1137	1136	1137	1135	1131	1135	1137	1136
145	1256	1254	1251	1252	1251	1252	1251	1254	1256	1254	1251	1252	1251	1252	1251	1254
150	1354	1356	1359	1355	1354	1355	1359	1356	1354	1356	1359	1355	1354	1355	1359	1356
155	1446	1445	1451	1446	1444	1446	1451	1445	1446	1445	1451	1446	1444	1446	1451	1445
160	1527	1530	1530	1525	1524	1525	1530	1530	1527	1530	1530	1525	1524	1525	1530	1530
165	1599	1601	1590	1596	1602	1596	1590	1601	1599	1601	1590	1596	1602	1596	1590	1601
170	1646	1637	1646	1640	1648	1640	1646	1637	1646	1637	1646	1640	1648	1640	1646	1637
175	1663	1667	1662	1676	1667	1676	1662	1667	1663	1667	1662	1676	1667	1676	1662	1667
180	1657	1657	1657	1657	1657	1657	1657	1657	1657	1657	1657	1657	1657	1657	1657	1657

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	14119	14119	14119
45	11238	4523	3449
55	10339	3227	2275
65	9270	2016	1293
75	7606	898	476
85	3313	204	151

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	7366	7366	7366	7366	6735	6735	6735	6735	5542	5542	5542	4490	4490	4490	3508	3508	3508	3017
1	6735	6454	6174	5963	6174	5893	5683	5472	4911	4700	4560	3929	3859	3718	3087	3017	2947	2526
2	6174	5683	5262	4911	5612	5192	4841	4490	4279	4069	3788	3508	3297	3157	2736	2596	2526	2175
3	5612	4981	4490	4069	5121	4560	4139	3788	3788	3438	3227	3087	2876	2666	2385	2245	2105	1824
4	5121	4420	3859	3438	4700	4069	3578	3227	3367	3017	2736	2736	2455	2315	2175	1964	1824	1543
5	4700	3929	3367	2947	4279	3578	3087	2736	3017	2666	2385	2455	2175	1964	1964	1754	1614	1333
6	4350	3508	2947	2526	3929	3227	2736	2385	2736	2315	2035	2245	1964	1754	1754	1543	1403	1193
7	3999	3157	2596	2245	3648	2947	2455	2105	2455	2105	1824	2035	1754	1543	1614	1403	1263	1052
8	3718	2876	2315	1964	3367	2666	2175	1824	2245	1894	1614	1824	1543	1333	1473	1263	1122	982
9	3438	2596	2105	1754	3157	2455	1964	1614	2035	1684	1403	1684	1403	1193	1403	1193	982	842
10	3227	2385	1894	1543	2947	2245	1754	1473	1894	1543	1263	1543	1263	1122	1263	1052	912	772

