



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

GAI-L-4'-I10-30K-80-FST-M4

(White Housing – Indirect – Frosted Lens – Specular Reflector)

Test Number

IES-P00088

Test Date

2017-03-24

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Extruded aluminum housing, specular reflector, Indirect w/ frosted lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Knife Edged Cove Creating Mounting
Luminous Length:	46.67 in
Luminous Width:	3.50 in
Luminous Height:	0.00 in



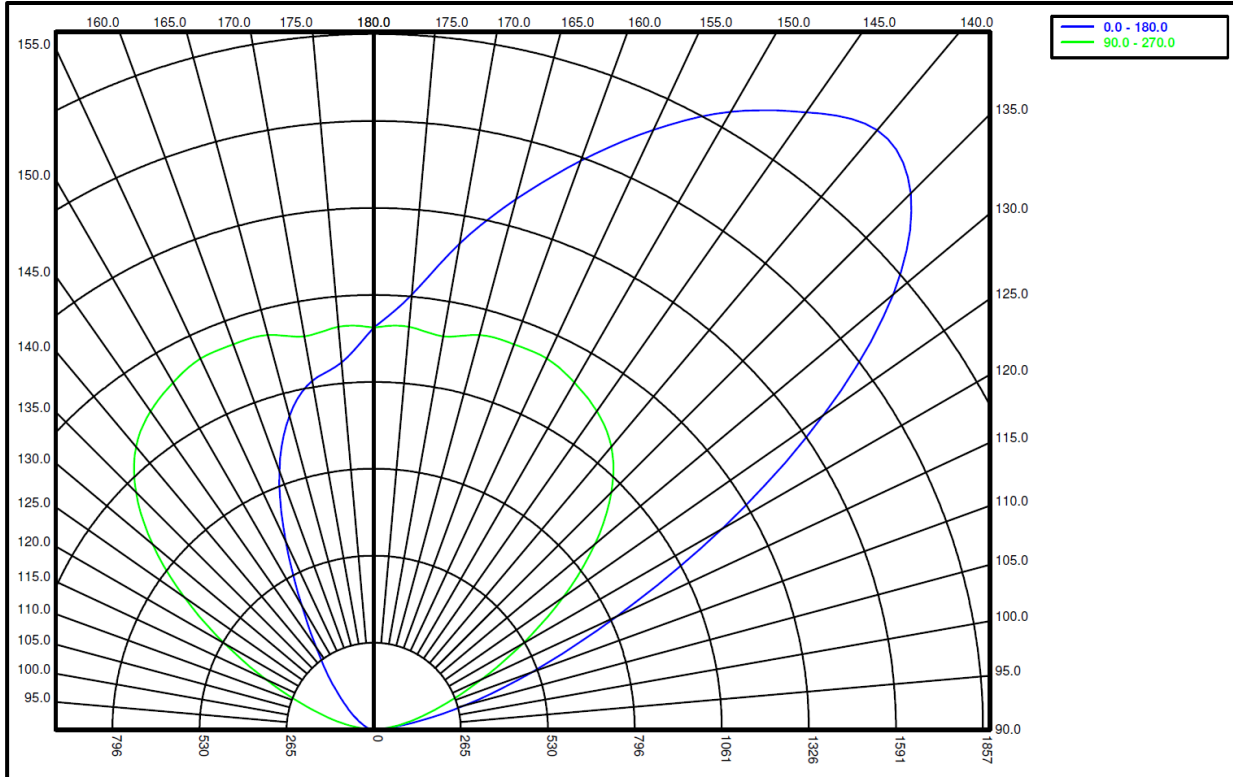
Image may differ slightly from actual unit

Summary of Results

System Power:	35.2W
Total Luminaire Output:	4045 Lumens
Luminaire Efficacy:	115 lm/W
Max Candela:	2387.24 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	29.34	0.7%
10-20	0	0.0%	100-110	165.7	4.1%
20-30	0	0.0%	110-120	407.62	10.1%
30-40	0	0.0%	120-130	709.02	17.5%
40-50	0	0.0%	130-140	861.3	21.3%
50-60	0	0.0%	140-150	783.72	19.4%
60-70	0	0.0%	150-160	602.64	14.9%
70-80	0	0.0%	160-170	367.49	9.1%
80-90	0	0.0%	170-180	118.49	2.9%
0-90	0	0.0%	0-180	4045.32	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	1	3	5	2	1	1	1	1	1	2	5	3	1	0
95	20	22	29	34	24	12	5	3	3	3	5	12	24	34	29	22
100	119	122	129	115	73	36	18	9	7	9	18	36	73	115	129	122
105	290	288	273	227	143	66	34	21	17	21	34	66	143	227	273	288
110	511	501	469	388	236	106	51	32	26	32	51	106	236	388	469	501
115	816	801	747	606	362	157	73	45	37	45	73	157	362	606	747	801
120	1226	1194	1095	869	524	225	102	63	53	63	102	225	524	869	1095	1194
125	1674	1628	1471	1153	705	320	143	88	75	88	143	320	705	1153	1471	1628
130	2067	2005	1783	1393	879	439	200	125	106	125	200	439	879	1393	1783	2005
135	2314	2231	1967	1546	1024	574	282	177	150	177	282	574	1024	1546	1967	2231
140	2387	2291	2016	1599	1126	716	392	247	216	247	392	716	1126	1599	2016	2291
145	2299	2222	1974	1599	1185	844	532	351	304	351	532	844	1185	1599	1974	2222
150	2176	2101	1887	1578	1223	955	696	504	439	504	696	955	1223	1578	1887	2101
155	2019	1958	1788	1529	1249	1046	862	697	635	697	862	1046	1249	1529	1788	1958
160	1847	1808	1672	1467	1251	1104	996	885	840	885	996	1104	1251	1467	1672	1808
165	1675	1649	1549	1396	1246	1141	1067	1012	990	1012	1067	1141	1246	1396	1549	1649
170	1505	1478	1420	1342	1219	1152	1111	1083	1080	1083	1111	1152	1219	1342	1420	1478
175	1332	1338	1308	1260	1234	1189	1152	1125	1124	1125	1152	1189	1234	1260	1308	1338
180	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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	3843	3843	3843	3843	3277	3277	3277	3277	2265	2265	2265	1295	1295	1295	405	405	405	0
1	3519	3358	3196	3074	2994	2872	2751	2629	1942	1901	1820	1133	1092	1052	364	364	324	0
2	3196	2913	2670	2508	2710	2508	2306	2144	1699	1618	1497	971	930	890	324	283	283	0
3	2913	2549	2265	2063	2468	2184	1982	1780	1497	1375	1254	850	809	728	283	243	243	0
4	2629	2265	1942	1739	2265	1942	1699	1497	1335	1173	1052	769	688	647	243	243	202	0
5	2427	1982	1699	1456	2063	1699	1456	1295	1173	1011	890	688	607	526	202	202	162	0
6	2225	1780	1456	1254	1901	1537	1295	1092	1052	890	769	607	526	445	202	162	162	0
7	2023	1578	1295	1092	1739	1375	1133	930	930	769	688	566	445	405	162	162	121	0
8	1901	1416	1133	930	1618	1214	971	809	850	688	566	485	405	364	162	121	121	0
9	1739	1295	1011	809	1497	1133	890	728	769	607	526	445	364	324	162	121	121	0
10	1618	1173	890	728	1375	1011	769	647	688	566	445	405	324	283	121	121	81	0

