



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'-I5-30K-80-FST-M4

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

Test Number

IES-P00086

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



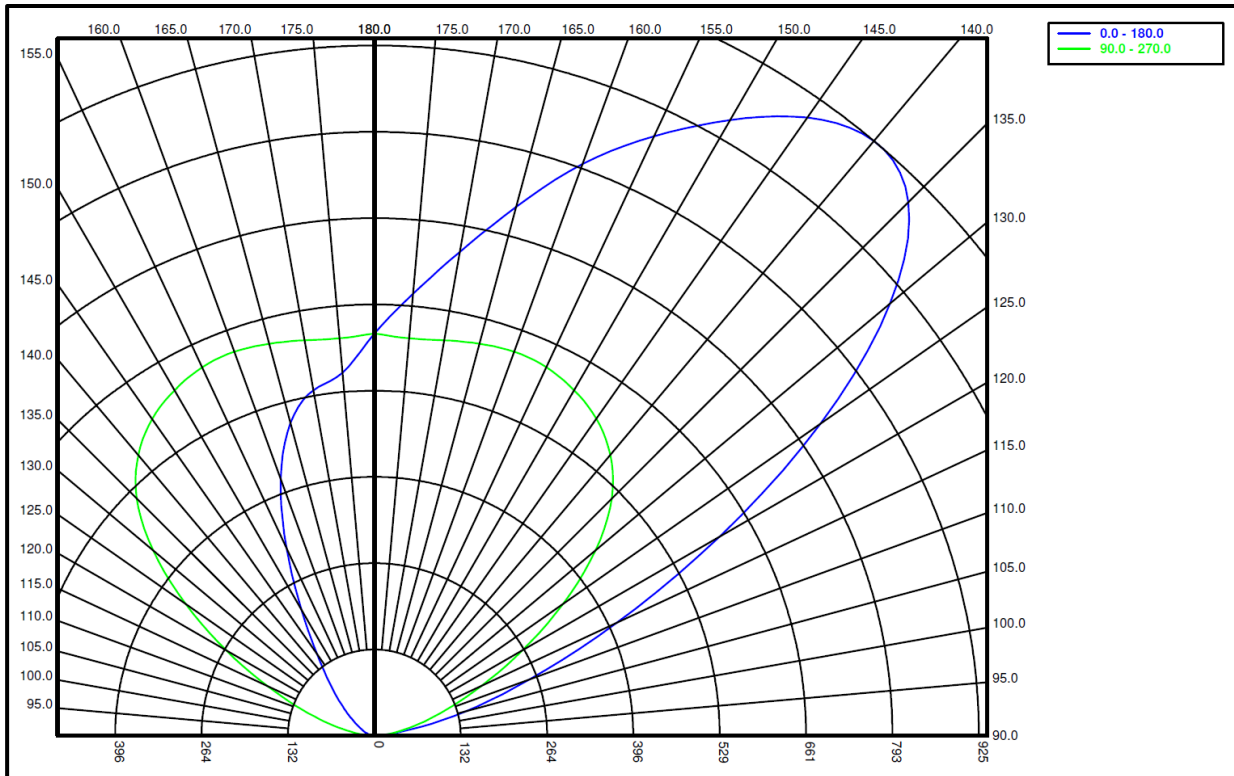
Image may differ slightly from actual unit

Summary of Results

System Power:	17.2W
Total Luminaire Output:	2022 Lumens
Luminaire Efficacy:	117 lm/W
Max Candela:	1189.35 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	14.65	0.7%
10-20	0	0.0%	100-110	82.78	4.1%
20-30	0	0.0%	110-120	203.62	10.1%
30-40	0	0.0%	120-130	354.26	17.5%
40-50	0	0.0%	130-140	430.85	21.3%
50-60	0	0.0%	140-150	392.14	19.4%
60-70	0	0.0%	150-160	301.24	14.9%
70-80	0	0.0%	160-170	183.74	9.1%
80-90	0	0.0%	170-180	59.21	2.9%
0-90	0	0.0%	0-180	2022.49	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	0	2	3	1	1	1	1	1	1	1	3	2	0	0
95	10	11	15	17	12	6	3	2	2	2	3	6	12	17	15	11
100	59	61	65	58	37	18	9	5	4	5	9	18	37	58	65	61
105	145	144	137	115	71	33	16	10	8	10	16	33	71	115	137	144
110	254	249	235	194	118	53	26	16	13	16	26	53	118	194	235	249
115	409	399	372	302	181	78	36	22	19	22	36	78	181	302	372	399
120	611	597	547	436	262	114	51	31	26	31	51	114	262	436	547	597
125	834	814	733	576	353	160	71	44	38	44	71	160	353	576	733	814
130	1030	1001	894	695	442	220	100	63	54	63	100	220	442	695	894	1001
135	1156	1119	985	771	514	286	142	89	76	89	142	286	514	771	985	1119
140	1189	1144	1010	801	561	357	195	124	108	124	195	357	561	801	1010	1144
145	1156	1112	986	801	592	423	265	177	152	177	265	423	592	801	986	1112
150	1089	1052	946	785	611	480	348	252	222	252	348	480	611	785	946	1052
155	1013	977	891	765	623	524	429	348	318	348	429	524	623	765	891	977
160	932	900	835	736	626	552	496	442	418	442	496	552	626	736	835	900
165	839	825	774	701	622	569	535	507	496	507	535	569	622	701	774	825
170	753	739	708	662	615	576	553	546	537	546	553	576	615	662	708	739
175	680	668	650	636	611	591	573	560	558	560	573	591	611	636	650	668
180	616	616	616	616	616	616	616	616	616	616	616	616	616	616	616	616

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	1921	1921	1921	1921	1638	1638	1638	1638	1133	1133	1133	647	647	647	202	202	202	0
1	1760	1679	1598	1537	1497	1436	1375	1315	971	951	910	566	546	526	182	182	162	0
2	1598	1456	1335	1254	1355	1254	1153	1072	849	809	748	485	465	445	162	142	142	0
3	1456	1274	1133	1031	1234	1092	991	890	748	688	627	425	404	364	142	121	121	0
4	1315	1133	971	870	1133	971	849	748	667	587	526	384	344	324	121	121	101	0
5	1213	991	849	728	1031	849	728	647	587	506	445	344	303	263	101	101	81	0
6	1112	890	728	627	951	769	647	546	526	445	384	303	263	222	101	81	81	0
7	1011	789	647	546	870	688	566	465	465	384	344	283	222	202	81	81	61	0
8	951	708	566	465	809	607	485	404	425	344	283	243	202	182	81	61	61	0
9	870	647	506	404	748	566	445	364	384	303	263	222	182	162	81	61	61	0
10	809	587	445	364	688	506	384	324	344	283	222	202	162	142	61	61	40	0

