



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-M-PW-4-D3-I5-30-80-OW-CL-W

(White Housing – Direct / Indirect – Opal & Matte Clear Lenses)

Test Number

IES-P00136

Test Date

2017-10-04

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 & Matte Clear Lenses
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling, Wall Mounted
Luminous Length:	47.50 in
Luminous Width:	2.75 in
Luminous Height:	4.75 in



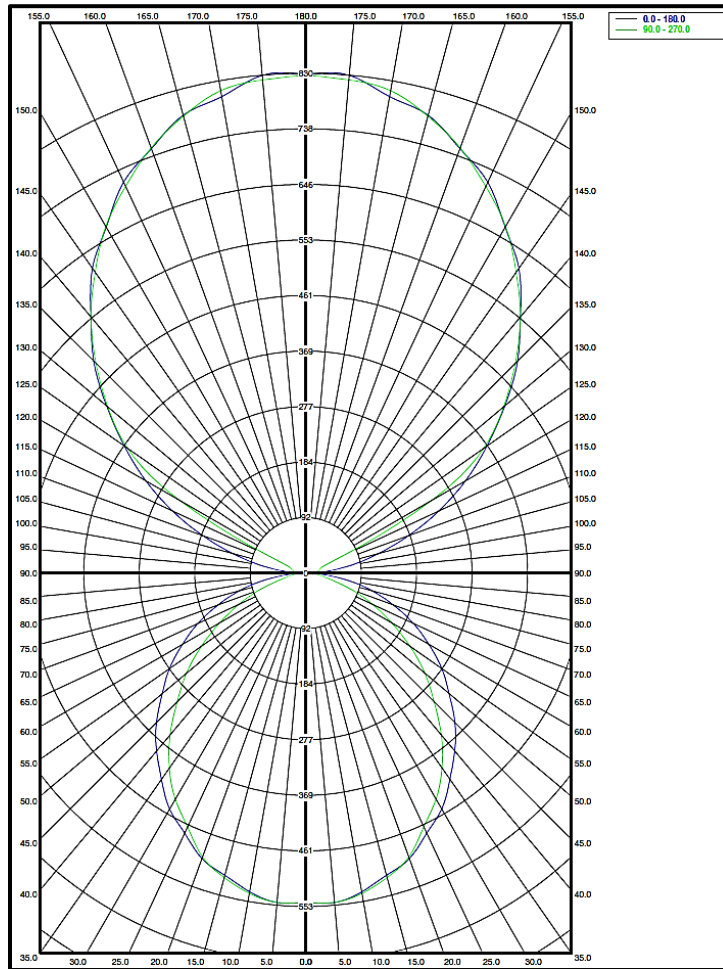
Image may differ slightly from actual unit

Summary of Results

System Power:	37.9W
Total Luminaire Output:	3406 Lumens
Luminaire Efficacy:	90 lm/W
Max Candela:	830.18 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	51.94	1.5%	90-100	17.33	0.5%
10-20	147.25	4.3%	100-110	68.89	2.0%
20-30	219.09	6.4%	110-120	193.63	5.7%
30-40	256.23	7.5%	120-130	328.26	9.6%
40-50	254.76	7.5%	130-140	383.83	11.3%
50-60	218.31	6.4%	140-150	384.59	11.3%
60-70	154.86	4.5%	150-160	328.18	9.6%
70-80	78.83	2.3%	160-170	221.46	6.5%
80-90	20.15	0.6%	170-180	78.02	2.3%
0-90	1401.42	41.2%	0-180	3405.61	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	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546
5	549	550	549	548	549	548	549	550	549	550	549	548	549	548	549	550
10	537	532	541	535	540	535	541	532	537	532	541	535	540	535	541	532
15	520	524	522	522	523	522	522	524	520	524	522	522	523	522	522	524
20	505	502	501	503	502	503	501	502	505	502	501	503	502	503	501	502
25	476	479	478	473	465	473	478	479	476	479	478	473	465	473	478	479
30	453	453	449	437	434	437	449	453	453	453	449	437	434	437	449	453
35	418	422	411	398	395	398	411	422	418	422	411	398	395	398	411	422
40	386	388	374	356	351	356	374	388	386	388	374	356	351	356	374	388
45	351	351	331	312	302	312	331	351	351	351	331	312	302	312	331	351
50	311	311	288	264	259	264	288	311	311	311	288	264	259	264	288	311
55	277	270	243	221	212	221	243	270	277	270	243	221	212	221	243	270
60	237	227	197	175	165	175	197	227	237	227	197	175	165	175	197	227
65	198	182	152	130	122	130	152	182	198	182	152	130	122	130	152	182
70	156	139	108	89	82	89	108	139	156	139	108	89	82	89	108	139
75	115	95	66	49	45	49	66	95	115	95	66	49	45	49	66	95
80	73	52	30	27	27	27	30	52	73	52	30	27	27	27	30	52
85	29	16	14	14	14	14	14	16	29	16	14	14	14	14	14	16
90	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
95	33	11	12	12	12	12	12	11	33	11	12	12	12	12	12	11
100	78	43	18	21	21	21	18	43	78	43	18	21	21	21	18	43
105	126	115	28	23	24	23	28	115	126	115	28	23	24	23	28	115
110	183	187	107	32	28	32	107	187	183	187	107	32	28	32	107	187
115	245	249	234	118	72	118	234	249	245	249	234	118	72	118	234	249
120	307	311	310	286	245	286	310	311	307	311	310	286	245	286	310	311
125	368	374	371	367	362	367	371	374	368	374	371	367	362	367	371	374
130	432	437	437	430	430	430	437	437	432	437	437	430	430	430	437	437
135	499	501	498	498	493	498	498	501	499	501	498	498	493	498	498	501
140	556	561	560	555	556	555	560	561	556	561	560	555	556	555	560	561
145	618	617	618	615	610	615	618	617	618	617	618	615	610	615	618	617
150	664	667	666	665	665	665	666	667	664	667	666	665	665	665	666	667
155	716	714	713	712	709	712	713	714	716	714	713	712	709	712	713	714
160	750	754	757	750	752	750	757	754	750	754	757	750	752	750	757	754
165	788	788	785	789	786	789	785	788	788	788	785	789	786	789	785	788
170	804	809	804	805	814	805	804	809	804	809	804	805	814	805	804	809
175	830	826	819	820	822	820	819	826	830	826	819	820	822	820	819	826
180	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	6483	6483	6483
45	5351	2422	1857
55	5005	1762	1263
65	4569	1132	730
75	3845	519	279
85	1849	117	89

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	3576	3576	3576	3576	3269	3269	3269	3269	2656	2656	2656	2146	2146	2146	1635	1635	1635	1396
1	3269	3133	2997	2895	2963	2861	2759	2656	2350	2282	2214	1873	1839	1771	1464	1430	1396	1192
2	2963	2724	2520	2350	2690	2486	2316	2180	2043	1941	1839	1669	1567	1498	1294	1226	1158	988
3	2724	2384	2146	1975	2452	2214	1975	1805	1805	1669	1533	1464	1362	1260	1124	1056	988	851
4	2486	2111	1873	1669	2248	1941	1703	1533	1601	1430	1294	1294	1192	1090	1022	920	851	715
5	2282	1907	1635	1430	2077	1737	1498	1328	1430	1260	1124	1158	1056	954	920	817	749	647
6	2111	1703	1430	1226	1907	1567	1328	1158	1294	1124	988	1056	920	817	817	749	647	545
7	1941	1533	1260	1090	1771	1396	1158	988	1192	988	851	954	817	715	749	647	579	511
8	1805	1396	1124	954	1635	1294	1056	885	1056	885	749	885	749	647	681	613	511	443
9	1669	1260	1022	851	1533	1158	954	783	988	817	681	817	681	579	647	545	477	409
10	1567	1158	920	749	1430	1056	851	715	885	749	613	749	613	511	579	511	443	375

