



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-D7-I3-30-80-OW-CL-W

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

Test Number

IES-P00143

Test Date

2017-10-03

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



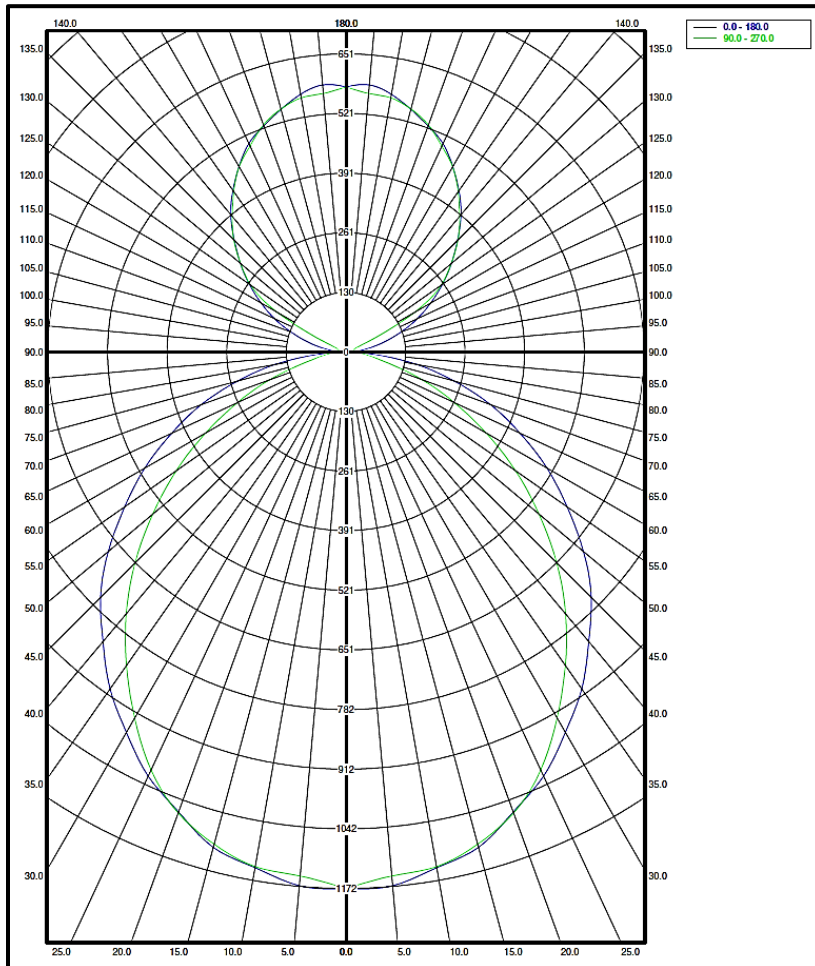
Image may differ slightly from actual unit

Summary of Results

System Power:	51.6W
Total Luminaire Output:	4404 Lumens
Luminaire Efficacy:	85 lm/W
Max Candela:	1179.26 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	110.93	2.5%	90-100	12.55	0.3%
10-20	314.6	7.1%	100-110	48.32	1.1%
20-30	469.23	10.7%	110-120	135.67	3.1%
30-40	548.47	12.5%	120-130	229.9	5.2%
40-50	545.33	12.4%	130-140	268.57	6.1%
50-60	467.58	10.6%	140-150	269.22	6.1%
60-70	332.56	7.6%	150-160	229.68	5.2%
70-80	169.09	3.8%	160-170	154.81	3.5%
80-90	42.88	1.0%	170-180	54.63	1.2%
0-90	3000.67	68.1%	0-180	4404.02	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	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172
5	1171	1171	1179	1176	1150	1176	1179	1171	1171	1171	1179	1176	1150	1176	1179	1171
10	1144	1152	1143	1145	1142	1145	1143	1152	1144	1152	1143	1145	1142	1145	1143	1152
15	1121	1114	1115	1121	1114	1121	1115	1114	1121	1114	1115	1121	1114	1121	1115	1114
20	1070	1074	1072	1071	1072	1071	1072	1074	1070	1074	1072	1071	1072	1071	1072	1074
25	1023	1027	1024	1017	1008	1017	1024	1027	1023	1027	1024	1017	1008	1017	1024	1027
30	960	971	960	937	924	937	960	971	960	971	960	937	924	937	960	971
35	899	906	884	852	837	852	884	906	899	906	884	852	837	852	884	906
40	826	830	799	763	747	763	799	830	826	830	799	763	747	763	799	830
45	759	750	707	665	652	665	707	750	759	750	707	665	652	665	707	750
50	678	669	615	566	551	566	615	669	678	669	615	566	551	566	615	669
55	591	578	520	470	454	470	520	578	591	578	520	470	454	470	520	578
60	508	486	424	374	355	374	424	486	508	486	424	374	355	374	424	486
65	421	393	328	279	262	279	328	393	421	393	328	279	262	279	328	393
70	337	299	231	189	178	189	231	299	337	299	231	189	178	189	231	299
75	245	204	141	107	98	107	141	204	245	204	141	107	98	107	141	204
80	158	111	65	57	58	57	65	111	158	111	65	57	58	57	65	111
85	62	34	30	29	29	29	30	34	62	34	30	29	29	29	30	34
90	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
95	23	8	8	9	9	9	8	8	23	8	8	9	9	9	8	8
100	55	30	12	14	15	14	12	30	55	30	12	14	15	14	12	30
105	89	81	20	16	17	16	20	81	89	81	20	16	17	16	20	81
110	128	132	75	23	20	23	75	132	128	132	75	23	20	23	75	132
115	172	175	163	84	51	84	163	175	172	175	163	84	51	84	163	175
120	214	217	218	199	174	199	218	217	214	217	218	199	174	199	218	217
125	258	261	260	258	254	258	260	261	258	261	260	258	254	258	260	261
130	301	307	306	300	301	300	306	307	301	307	306	300	301	300	306	307
135	345	351	348	348	347	348	348	351	345	351	348	348	347	348	348	351
140	392	392	391	391	387	391	391	392	392	392	391	391	387	391	391	392
145	431	433	434	428	428	428	434	433	431	433	434	428	428	428	434	433
150	468	466	467	464	467	464	467	466	468	466	467	464	467	464	467	466
155	502	500	498	498	496	498	498	500	502	500	498	498	496	498	498	500
160	526	530	528	523	528	523	528	530	526	530	528	523	528	523	528	530
165	549	548	549	549	549	549	549	548	549	548	549	549	549	549	549	548
170	572	564	565	568	564	568	565	564	572	564	565	568	564	568	565	564
175	586	577	574	574	567	574	574	577	586	577	574	574	567	574	574	577
180	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	13911	13911	13911
45	11564	5170	4009
55	10681	3775	2705
65	9718	2439	1563
75	8182	1109	602
85	3934	255	189

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	4888	4888	4888	4888	4624	4624	4624	4624	4096	4096	4096	3655	3655	3655	3215	3215	3215	2995
1	4492	4316	4140	3964	4228	4052	3920	3787	3611	3523	3391	3215	3127	3039	2863	2775	2730	2554
2	4096	3787	3479	3259	3876	3567	3303	3127	3171	2995	2819	2819	2686	2554	2510	2422	2290	2158
3	3743	3303	2995	2730	3523	3127	2863	2598	2819	2598	2378	2510	2334	2158	2246	2070	1982	1806
4	3435	2951	2598	2290	3215	2775	2466	2202	2510	2246	2026	2246	2026	1850	1982	1850	1718	1585
5	3171	2642	2246	1982	2951	2510	2158	1894	2246	1982	1762	2026	1806	1629	1806	1629	1497	1365
6	2907	2378	1982	1718	2730	2246	1894	1674	2026	1762	1541	1806	1585	1409	1629	1453	1321	1189
7	2686	2158	1762	1541	2554	2026	1718	1453	1850	1585	1365	1674	1453	1277	1497	1321	1145	1057
8	2510	1938	1585	1365	2378	1850	1541	1321	1674	1409	1233	1541	1277	1145	1365	1189	1057	969
9	2334	1762	1453	1233	2202	1718	1409	1189	1541	1277	1101	1409	1189	1013	1277	1101	925	837
10	2202	1629	1321	1101	2070	1585	1277	1057	1409	1189	1013	1321	1101	925	1189	1013	881	793

