



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
AMA-L-4'-D7-30K-80-OPL-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00023

Test Date

2017-02-08

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Aluminum, Extruded Housing, Direct w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling, Recessed & Surface Mounted
Luminous Length:	47.13 in
Luminous Width:	3.25 in
Luminous Height:	0.00 in



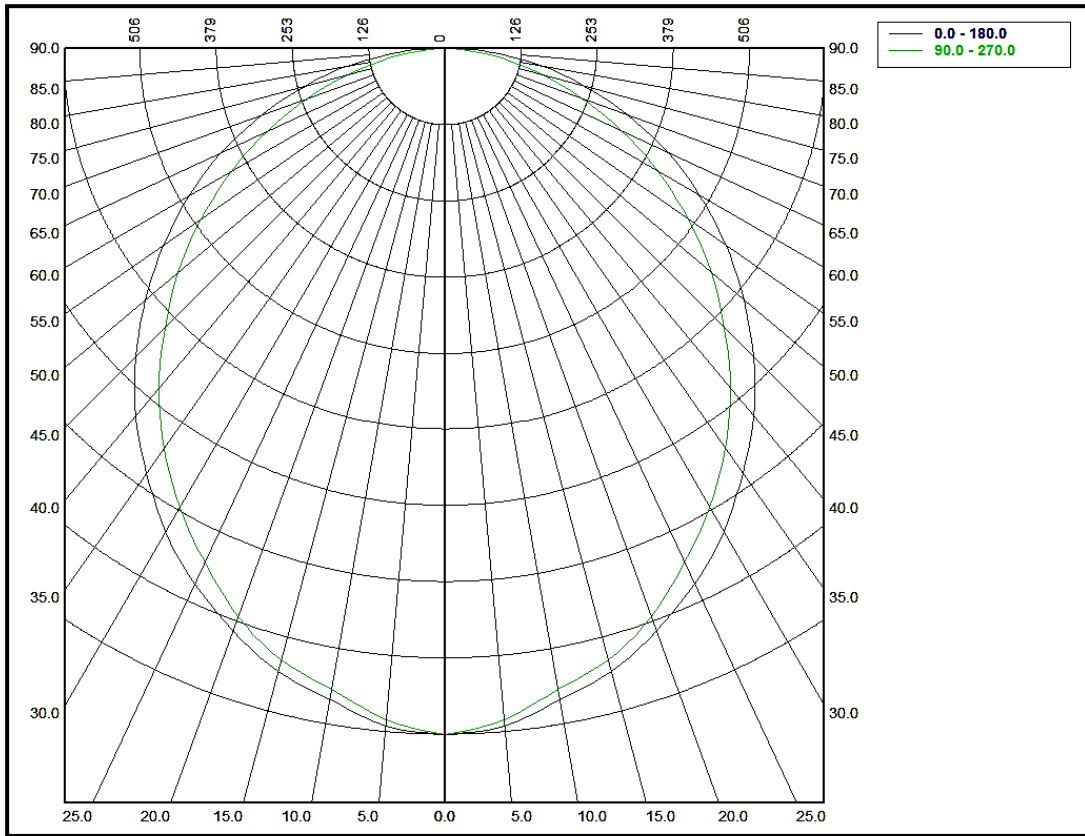
Image may differ slightly from actual unit

Summary of Results

System Power:	37.5W
Total Luminaire Output:	3006 Lumens
Luminaire Efficacy:	80 lm/W
Max Candela:	1137.86 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	105.86	3.5%	90-100	0	0.0%
10-20	298.23	9.9%	100-110	0	0.0%
20-30	442.89	14.7%	110-120	0	0.0%
30-40	522.35	17.4%	120-130	0	0.0%
40-50	531.47	17.7%	130-140	0	0.0%
50-60	473.2	15.7%	140-150	0	0.0%
60-70	360.12	12.0%	150-160	0	0.0%
70-80	210.3	7.0%	160-170	0	0.0%
80-90	61.5	2.0%	170-180	0	0.0%
0-90	3005.92	100.0%	0-180	3005.92	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	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138
5	1128	1114	1113	1115	1118	1115	1113	1114	1128	1114	1113	1115	1118	1115	1113	1114
10	1098	1091	1091	1086	1081	1086	1091	1091	1098	1091	1091	1086	1081	1086	1091	1091
15	1070	1063	1055	1052	1051	1052	1055	1063	1070	1063	1055	1052	1051	1052	1055	1063
20	1028	1026	1016	1004	1003	1004	1016	1026	1028	1026	1016	1004	1003	1004	1016	1026
25	981	972	960	949	942	949	960	972	981	972	960	949	942	949	960	972
30	926	914	900	888	880	888	900	914	926	914	900	888	880	888	900	914
35	862	852	832	818	811	818	832	852	862	852	832	818	811	818	832	852
40	797	783	763	744	738	744	763	783	797	783	763	744	738	744	763	783
45	725	709	688	664	657	664	688	709	725	709	688	664	657	664	688	709
50	648	635	609	586	577	586	609	635	648	635	609	586	577	586	609	635
55	570	554	527	502	494	502	527	554	570	554	527	502	494	502	527	554
60	490	474	445	419	410	419	445	474	490	474	445	419	410	419	445	474
65	410	391	361	336	326	336	361	391	410	391	361	336	326	336	361	391
70	323	307	277	252	243	252	277	307	323	307	277	252	243	252	277	307
75	241	224	193	172	166	172	193	224	241	224	193	172	166	172	193	224
80	160	142	114	99	95	99	114	142	160	142	114	99	95	99	114	142
85	76	58	42	37	36	37	42	58	76	58	42	37	36	37	42	58
90	14	9	8	8	7	8	8	9	14	9	8	8	7	8	8	9

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	11516	11516	11516
45	10372	9844	9393
55	10042	9282	8701
65	9802	8625	7789
75	9405	7538	6493
85	8847	4897	4133

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	3577	3577	3577	3577	3487	3487	3487	3487	3337	3337	3337	3186	3186	3186	3066	3066	3066	3006	
1	3276	3126	3006	2886	3186	3066	2946	2826	2916	2826	2735	2796	2735	2645	2705	2645	2585	2525	
2	2976	2735	2525	2345	2886	2675	2465	2315	2555	2405	2254	2465	2315	2224	2375	2254	2164	2104	
3	2705	2405	2134	1954	2645	2345	2104	1924	2254	2074	1894	2164	2014	1864	2104	1954	1834	1773	
4	2495	2134	1864	1653	2405	2074	1834	1653	2014	1804	1623	1924	1743	1593	1864	1713	1563	1503	
5	2284	1894	1623	1413	2224	1864	1623	1413	1804	1563	1413	1743	1533	1383	1683	1503	1383	1323	
6	2104	1713	1443	1262	2044	1683	1413	1232	1623	1413	1232	1563	1383	1232	1533	1353	1202	1142	
7	1954	1563	1293	1112	1894	1533	1262	1112	1473	1262	1082	1443	1232	1082	1383	1202	1082	1022	
8	1834	1413	1172	992	1773	1383	1142	992	1353	1142	962	1323	1112	962	1293	1112	962	902	
9	1713	1293	1052	902	1653	1293	1052	872	1262	1022	872	1202	1022	872	1172	992	872	812	
10	1593	1202	962	812	1563	1172	962	812	1142	932	812	1142	932	812	1112	932	782	751	

