



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-(PSW)-4-D7-30-80-OW-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00023

Test Date

2017-06-07

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, Surface or Wall Mounted
Luminous Length:	47.13 in
Luminous Width:	3.25 in
Luminous Height:	0.00 in



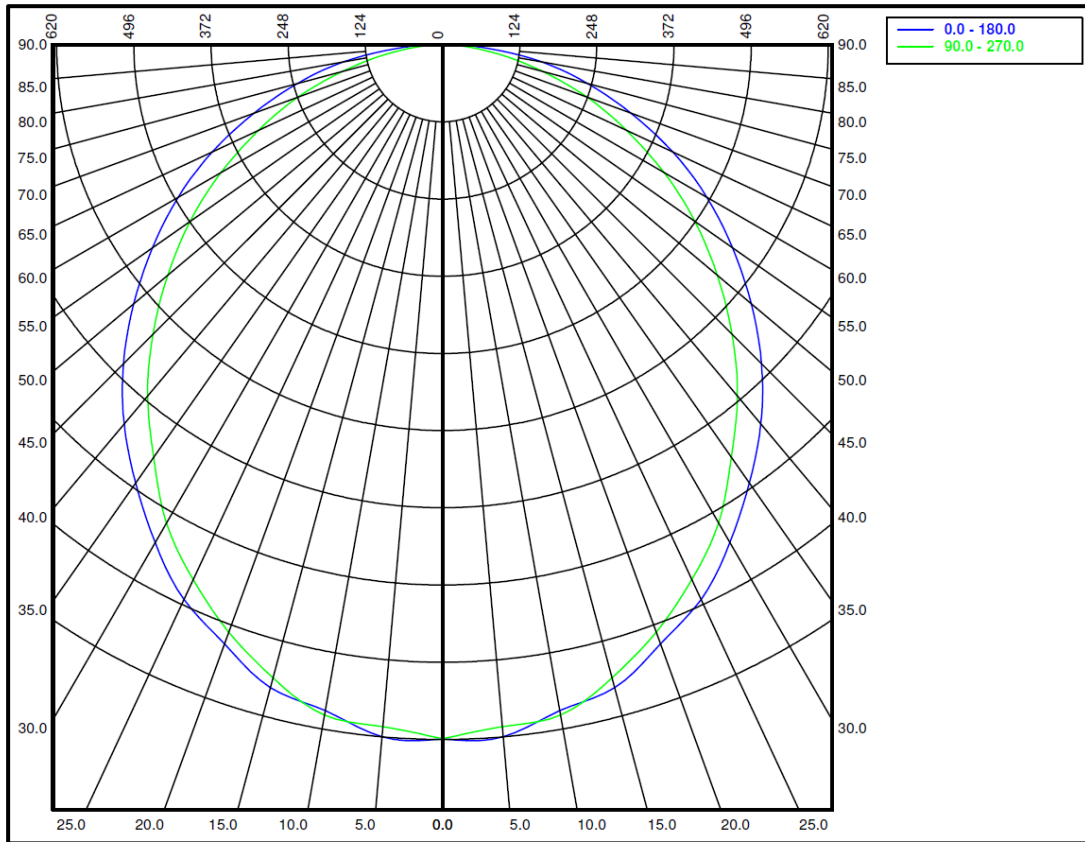
Image may differ slightly from actual unit

Summary of Results

System Power:	37.7W
Total Luminaire Output:	3008 Lumens
Luminaire Efficacy:	80 lm/W
Max Candela:	1123.81 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	105.6	3.5%	90-100	0	0.0%
10-20	298.01	9.9%	100-110	0	0.0%
20-30	444.03	14.8%	110-120	0	0.0%
30-40	522.86	17.4%	120-130	0	0.0%
40-50	531.63	17.7%	130-140	0	0.0%
50-60	473.03	15.7%	140-150	0	0.0%
60-70	360.37	12.0%	150-160	0	0.0%
70-80	210.86	7.0%	160-170	0	0.0%
80-90	61.62	2.0%	170-180	0	0.0%
0-90	3008.01	100.0%	0-180	3008.01	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	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114
5	1115	1124	1113	1118	1099	1118	1113	1124	1115	1124	1113	1118	1099	1118	1113	1124
10	1086	1100	1090	1086	1093	1086	1090	1100	1086	1100	1090	1086	1093	1086	1090	1100
15	1069	1059	1055	1051	1053	1051	1055	1059	1069	1059	1055	1051	1053	1051	1055	1059
20	1024	1020	1011	1012	1004	1012	1011	1020	1024	1020	1011	1012	1004	1012	1011	1020
25	983	979	964	950	948	950	964	979	983	979	964	950	948	950	964	979
30	923	919	903	890	887	890	903	919	923	919	903	890	887	890	903	919
35	859	851	835	816	809	816	835	851	859	851	835	816	809	816	835	851
40	795	785	765	746	737	746	765	785	795	785	765	746	737	746	765	785
45	725	714	686	665	658	665	686	714	725	714	686	665	658	665	686	714
50	647	634	606	583	576	583	606	634	647	634	606	583	576	583	606	634
55	569	554	526	504	495	504	526	554	569	554	526	504	495	504	526	554
60	491	474	444	419	411	419	444	474	491	474	444	419	411	419	444	474
65	408	391	361	335	326	335	361	391	408	391	361	335	326	335	361	391
70	322	309	278	254	248	254	278	309	322	309	278	254	248	254	278	309
75	242	223	193	173	165	173	193	223	242	223	193	173	165	173	193	223
80	163	141	115	100	96	100	115	141	163	141	115	100	96	100	115	141
85	76	58	42	37	36	37	42	58	76	58	42	37	36	37	42	58
90	12	9	8	7	7	7	8	9	12	9	8	7	7	7	8	9

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	11277	11277	11277
45	10364	9804	9407
55	10029	9280	8729
65	9767	8633	7805
75	9437	7544	6458
85	8864	4904	4137

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	3580	3580	3580	3580	3489	3489	3489	3489	3339	3339	3339	3188	3188	3188	3068	3068	3068	3008
1	3279	3128	3008	2888	3188	3068	2948	2828	2918	2828	2737	2797	2737	2647	2707	2647	2587	2527
2	2978	2737	2527	2346	2888	2677	2467	2316	2557	2406	2256	2467	2316	2226	2376	2256	2166	2106
3	2707	2406	2136	1955	2647	2346	2106	1925	2256	2076	1895	2166	2015	1865	2106	1955	1835	1775
4	2497	2136	1865	1654	2406	2076	1835	1654	2015	1805	1624	1925	1745	1594	1865	1715	1564	1504
5	2286	1895	1624	1414	2226	1865	1624	1414	1805	1564	1414	1745	1534	1384	1684	1504	1384	1324
6	2106	1715	1444	1263	2045	1684	1414	1233	1624	1414	1233	1564	1384	1233	1534	1354	1203	1143
7	1955	1564	1293	1113	1895	1534	1263	1113	1474	1263	1083	1444	1233	1083	1384	1203	1083	1023
8	1835	1414	1173	993	1775	1384	1143	993	1354	1143	963	1324	1113	963	1293	1113	963	902
9	1715	1293	1053	902	1654	1293	1053	872	1263	1023	872	1203	1023	872	1173	993	872	812
10	1594	1203	963	812	1564	1173	963	812	1143	932	812	1143	932	812	1113	932	782	752

