



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-D5-30-80-OW-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00022

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



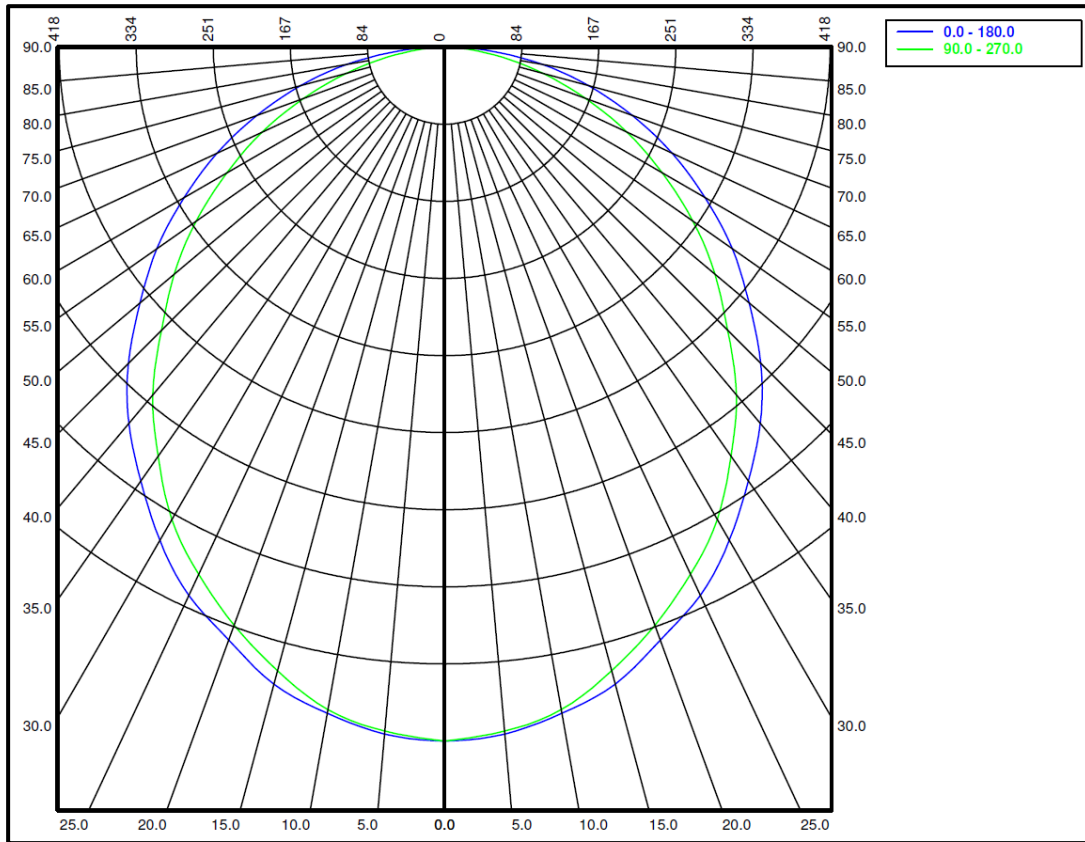
Image may differ slightly from actual unit

Summary of Results

System Power:	25.4W
Total Luminaire Output:	2006 Lumens
Luminaire Efficacy:	79 lm/W
Max Candela:	751.67 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	70.66	3.5%	90-100	0	0.0%
10-20	198.85	9.9%	100-110	0	0.0%
20-30	295.71	14.7%	110-120	0	0.0%
30-40	349.35	17.4%	120-130	0	0.0%
40-50	354.41	17.7%	130-140	0	0.0%
50-60	315.28	15.7%	140-150	0	0.0%
60-70	240.13	12.0%	150-160	0	0.0%
70-80	140.4	7.0%	160-170	0	0.0%
80-90	41.1	2.0%	170-180	0	0.0%
0-90	2005.89	100.0%	0-180	2005.89	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	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752
5	747	744	745	746	744	746	745	744	747	744	745	746	744	746	745	744
10	733	730	733	727	729	727	733	730	733	730	733	727	729	727	733	730
15	714	708	703	698	699	698	703	708	714	708	703	698	699	698	703	708
20	684	683	676	673	666	673	676	683	684	683	676	673	666	673	676	683
25	655	648	641	633	630	633	641	648	655	648	641	633	630	633	641	648
30	617	612	601	594	591	594	601	612	617	612	601	594	591	594	601	612
35	574	571	558	546	541	546	558	571	574	571	558	546	541	546	558	571
40	532	525	509	497	492	497	509	525	532	525	509	497	492	497	509	525
45	484	475	458	444	434	444	458	475	484	475	458	444	434	444	458	475
50	431	424	408	389	382	389	408	424	431	424	408	389	382	389	408	424
55	380	369	352	335	328	335	352	369	380	369	352	335	328	335	352	369
60	326	316	295	279	272	279	295	316	326	316	295	279	272	279	295	316
65	272	261	242	224	218	224	242	261	272	261	242	224	218	224	242	261
70	216	205	184	168	162	168	184	205	216	205	184	168	162	168	184	205
75	161	149	129	115	111	115	129	149	161	149	129	115	111	115	129	149
80	107	95	76	66	64	66	76	95	107	95	76	66	64	66	76	95
85	51	38	28	25	24	25	28	38	51	38	28	25	24	25	28	38
90	9	6	5	5	5	5	5	6	9	6	5	5	5	5	5	6

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	7607	7607	7607
45	6927	6546	6204
55	6707	6203	5790
65	6514	5795	5225
75	6308	5030	4347
85	5936	3296	2763

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	2387	2387	2387	2387	2327	2327	2327	2327	2227	2227	2227	2126	2126	2126	2046	2046	2046	2006
1	2186	2086	2006	1926	2126	2046	1966	1886	1946	1886	1825	1865	1825	1765	1805	1765	1725	1685
2	1986	1825	1685	1565	1926	1785	1645	1545	1705	1605	1504	1645	1545	1484	1585	1504	1444	1404
3	1805	1605	1424	1304	1765	1565	1404	1284	1504	1384	1264	1444	1344	1244	1404	1304	1224	1183
4	1665	1424	1244	1103	1605	1384	1224	1103	1344	1204	1083	1284	1163	1063	1244	1143	1043	1003
5	1524	1264	1083	943	1484	1244	1083	943	1204	1043	943	1163	1023	923	1123	1003	923	883
6	1404	1143	963	842	1364	1123	943	822	1083	943	822	1043	923	822	1023	903	802	762
7	1304	1043	863	742	1264	1023	842	742	983	842	722	963	822	722	923	802	722	682
8	1224	943	782	662	1183	923	762	662	903	762	642	883	742	642	863	742	642	602
9	1143	863	702	602	1103	863	702	582	842	682	582	802	682	582	782	662	582	542
10	1063	802	642	542	1043	782	642	542	762	622	542	762	622	542	742	622	522	501

