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'-D5-30K-80-OPL-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00022

Test Date

2017-02-08

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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:	24.9W
Total Luminaire Output:	2004 Lumens
Luminaire Efficacy:	81 lm/W
Max Candela:	749.69 Candela

Calculated results may not be representative of field performance
Ballast factors have not been applied

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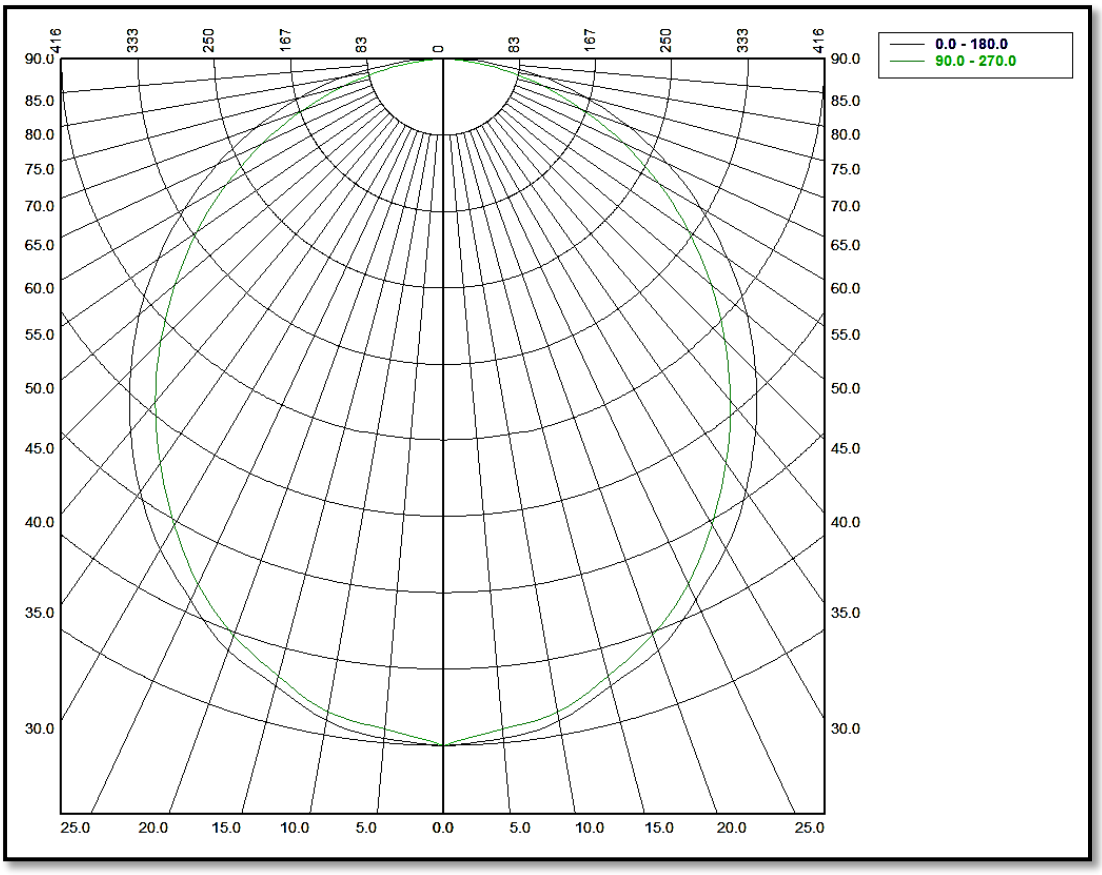
Polar Plot



Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0-10	70.33	3.5%	90-100	0	0.0%
10-20	198.63	9.9%	100-110	0	0.0%
20-30	295.7	14.8%	110-120	0	0.0%
30-40	348.48	17.4%	120-130	0	0.0%
40-50	353.8	17.7%	130-140	0	0.0%
50-60	315.3	15.7%	140-150	0	0.0%
60-70	240.11	12.0%	150-160	0	0.0%
70-80	140.23	7.0%	160-170	0	0.0%
80-90	41.12	2.1%	170-180	0	0.0%
0-90	2003.7	100.0%	0-180	2003.7	100.0%

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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	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750
5	745	743	743	738	734	738	743	743	745	743	743	738	734	738	743	743
10	734	729	723	727	724	727	723	729	734	729	723	727	724	727	723	729
15	708	707	704	701	698	701	704	707	708	707	704	701	698	701	704	707
20	688	682	675	671	670	671	675	682	688	682	675	671	670	671	675	682
25	652	650	642	633	633	633	642	650	652	650	642	633	633	633	642	650
30	618	611	601	594	587	594	601	611	618	611	601	594	587	594	601	611
35	577	570	555	544	539	544	555	570	577	570	555	544	539	544	555	570
40	531	524	509	495	489	495	509	524	531	524	509	495	489	495	509	524
45	482	473	458	443	436	443	458	473	482	473	458	443	436	443	458	473
50	433	424	405	389	382	389	405	424	433	424	405	389	382	389	405	424
55	380	370	352	334	328	334	352	370	380	370	352	334	328	334	352	370
60	326	316	296	280	273	280	296	316	326	316	296	280	273	280	296	316
65	272	261	241	224	218	224	241	261	272	261	241	224	218	224	241	261
70	216	205	184	168	163	168	184	205	216	205	184	168	163	168	184	205
75	161	149	129	115	110	115	129	149	161	149	129	115	110	115	129	149
80	107	95	76	66	64	66	76	95	107	95	76	66	64	66	76	95
85	51	39	28	25	24	25	28	39	51	39	28	25	24	25	28	39
90	9	6	5	5	5	5	5	6	9	6	5	5	5	5	5	6

Average Luminance (cd/m^2)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	7587	7587	7587
45	6898	6542	6236
55	6701	6203	5780
65	6505	5766	5217
75	6270	5023	4304
85	5954	3297	2753

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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	2384	2384	2384	2384	2324	2324	2324	2324	2224	2224	2224	2124	2124	2124	2044	2044	2044	2004
1	2184	2084	2004	1924	2124	2044	1964	1883	1944	1883	1823	1863	1823	1763	1803	1763	1723	1683
2	1984	1823	1683	1563	1924	1783	1643	1543	1703	1603	1503	1643	1543	1483	1583	1503	1443	1403
3	1803	1603	1423	1302	1763	1563	1403	1282	1503	1383	1262	1443	1342	1242	1403	1302	1222	1182
4	1663	1423	1242	1102	1603	1383	1222	1102	1342	1202	1082	1282	1162	1062	1242	1142	1042	1002
5	1523	1262	1082	942	1483	1242	1082	942	1202	1042	942	1162	1022	922	1122	1002	922	882
6	1403	1142	962	842	1363	1122	942	822	1082	942	822	1042	922	822	1022	902	801	761
7	1302	1042	862	741	1262	1022	842	741	982	842	721	962	822	721	922	801	721	681
8	1222	942	781	661	1182	922	761	661	902	761	641	882	741	641	862	741	641	601
9	1142	862	701	601	1102	862	701	581	842	681	581	801	681	581	781	661	581	541
10	1062	801	641	541	1042	781	641	541	761	621	541	761	621	541	741	621	521	501