

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
AMA-L-4'-D3-30K-80-OPL-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00021

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



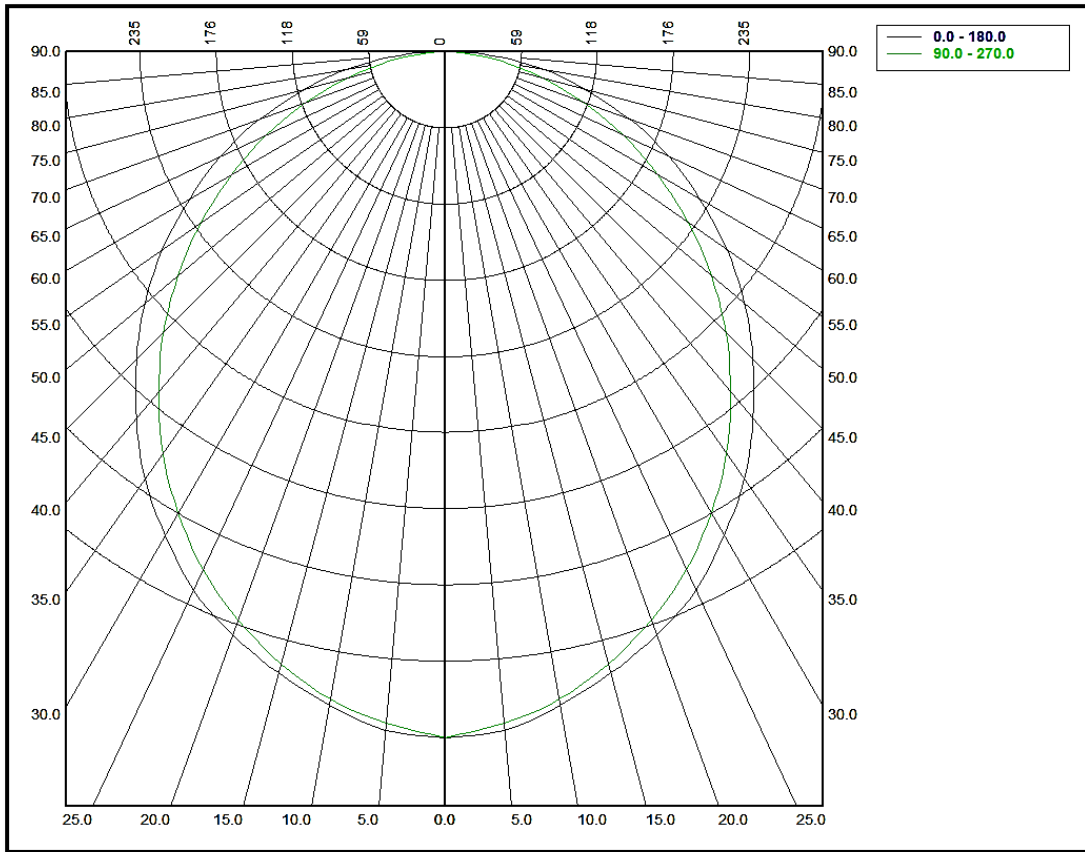
Image may differ slightly from actual unit

Summary of Results

System Power:	17.1W
Total Luminaire Output:	1403 Lumens
Luminaire Efficacy:	82 lm/W
Max Candela:	529.39 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	49.41	3.5%	90-100	0	0.0%
10-20	139.14	9.9%	100-110	0	0.0%
20-30	206.59	14.7%	110-120	0	0.0%
30-40	244.01	17.4%	120-130	0	0.0%
40-50	247.72	17.7%	130-140	0	0.0%
50-60	220.87	15.7%	140-150	0	0.0%
60-70	167.99	12.0%	150-160	0	0.0%
70-80	98.29	7.0%	160-170	0	0.0%
80-90	28.65	2.0%	170-180	0	0.0%
0-90	1402.67	100.0%	0-180	1402.67	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	529	529	529	529	529	529	529	529	529	529	529	529	529	529	529	529
5	526	522	520	519	520	519	520	522	526	522	520	519	520	519	520	522
10	513	512	508	507	508	507	508	512	513	512	508	507	508	507	508	512
15	497	495	495	492	489	492	495	495	497	495	495	492	489	492	495	495
20	479	476	474	467	467	467	474	476	479	476	474	467	467	467	474	476
25	459	453	447	443	442	443	447	453	459	453	447	443	442	443	447	453
30	432	429	420	414	412	414	420	429	432	429	420	414	412	414	420	429
35	403	399	389	381	379	381	389	399	403	399	389	381	379	381	389	399
40	370	366	356	347	343	347	356	366	370	366	356	347	343	347	356	366
45	337	332	319	309	307	309	319	332	337	332	319	309	307	309	319	332
50	302	297	284	274	269	274	284	297	302	297	284	274	269	274	284	297
55	266	259	246	235	230	235	246	259	266	259	246	235	230	235	246	259
60	228	221	207	196	190	196	207	221	228	221	207	196	190	196	207	221
65	191	182	168	157	152	157	168	182	191	182	168	157	152	157	168	182
70	152	143	129	118	114	118	129	143	152	143	129	118	114	118	129	143
75	112	105	90	81	78	81	90	105	112	105	90	81	78	81	90	105
80	75	66	53	46	44	46	53	66	75	66	53	46	44	46	53	66
85	35	27	20	17	17	17	20	27	35	27	20	17	17	17	20	27
90	6	4	4	3	4	3	4	4	6	4	4	3	4	3	4	4

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

ANGLES	0-Deg	45-Deg	90-Deg
0	5358	5358	5358
45	4814	4563	4396
55	4689	4336	4058
65	4562	4027	3647
75	4380	3533	3028
85	4071	2307	1929

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	1669	1669	1669	1669	1627	1627	1627	1627	1557	1557	1557	1487	1487	1487	1431	1431	1431	1403
1	1529	1459	1403	1347	1487	1431	1375	1319	1361	1319	1276	1304	1276	1234	1262	1234	1206	1178
2	1389	1276	1178	1094	1347	1248	1150	1080	1192	1122	1052	1150	1080	1038	1108	1052	1010	982
3	1262	1122	996	912	1234	1094	982	898	1052	968	884	1010	940	870	982	912	856	828
4	1164	996	870	771	1122	968	856	771	940	842	757	898	814	743	870	800	729	701
5	1066	884	757	659	1038	870	757	659	842	729	659	814	715	645	785	701	645	617
6	982	800	673	589	954	785	659	575	757	659	575	729	645	575	715	631	561	533
7	912	729	603	519	884	715	589	519	687	589	505	673	575	505	645	561	505	477
8	856	659	547	463	828	645	533	463	631	533	449	617	519	449	603	519	449	421
9	800	603	491	421	771	603	491	407	589	477	407	561	477	407	547	463	407	379
10	743	561	449	379	729	547	449	379	533	435	379	533	435	379	519	435	365	351

