



Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
OLI-R-2x2-DR4-30-80-OW-W
(White Housing – Direct – Opal Lenses)

Test Number

IES-P00115

Test Date

2017-06-05

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Picasso Lighting Industries, LLC.

Luminaire Description:	White, Sheet Metal Housing, Extruded Center, Direct w/ Opal Lenses
Lamp:	LED (3000K, 80+ CRI)
Installation:	Recess Mounted
Luminous Length:	22.56 in
Luminous Width:	22.63 in
Luminous Height:	0.00 in



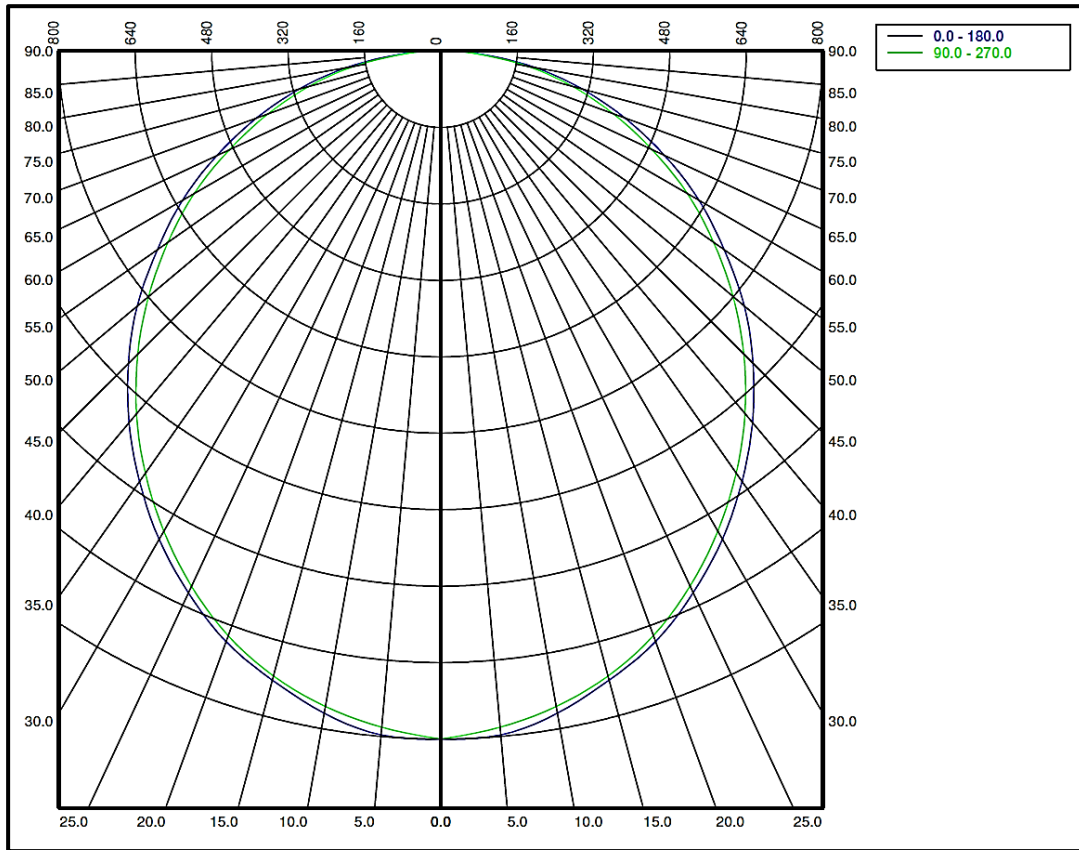
Image may differ slightly from actual unit

Summary of Results

System Power:	39.1W
Total Luminaire Output:	4005 Lumens
Luminaire Efficacy:	103 lm/W
Max Candela:	1439.32 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	135.54	3.4%	90-100	0	0.0%
10-20	383.63	9.6%	100-110	0	0.0%
20-30	572.25	14.3%	110-120	0	0.0%
30-40	680.97	17.0%	120-130	0	0.0%
40-50	699.76	17.5%	130-140	0	0.0%
50-60	632.56	15.8%	140-150	0	0.0%
60-70	493.77	12.3%	150-160	0	0.0%
70-80	305.37	7.6%	160-170	0	0.0%
80-90	100.74	2.5%	170-180	0	0.0%
0-90	4004.59	100.0%	0-180	4004.59	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	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439
5	1436	1430	1435	1424	1420	1424	1435	1430	1436	1430	1435	1424	1420	1424	1435	1430
10	1407	1398	1401	1405	1392	1405	1401	1398	1407	1398	1401	1405	1392	1405	1401	1398
15	1363	1364	1362	1358	1354	1358	1362	1364	1363	1364	1362	1358	1354	1358	1362	1364
20	1315	1313	1304	1300	1302	1300	1304	1313	1315	1313	1304	1300	1302	1300	1304	1313
25	1251	1244	1244	1235	1235	1235	1244	1244	1251	1244	1244	1235	1235	1235	1244	1244
30	1180	1175	1168	1164	1160	1164	1168	1175	1180	1175	1168	1164	1160	1164	1168	1175
35	1100	1096	1089	1081	1079	1081	1089	1096	1100	1096	1089	1081	1079	1081	1089	1096
40	1015	1007	998	992	991	992	998	1007	1015	1007	998	992	991	992	998	1007
45	925	917	901	898	897	898	901	917	925	917	901	898	897	898	901	917
50	830	817	805	801	799	801	805	817	830	817	805	801	799	801	805	817
55	725	718	703	696	697	696	703	718	725	718	703	696	697	696	703	718
60	625	610	597	595	597	595	597	610	625	610	597	595	597	595	597	610
65	517	507	495	491	489	491	495	507	517	507	495	491	489	491	495	507
70	411	400	388	385	386	385	388	400	411	400	388	385	386	385	388	400
75	306	293	284	282	285	282	284	293	306	293	284	282	285	282	284	293
80	200	192	181	181	184	181	181	192	200	192	181	181	184	181	181	192
85	95	87	80	79	79	79	80	87	95	87	80	79	79	79	80	87
90	17	16	16	17	18	17	16	16	17	16	16	17	18	17	16	16

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	4370	4370	4370
45	3967	3866	3850
55	3832	3717	3688
65	3712	3553	3508
75	3590	3324	3342
85	3321	2797	2744

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	4765	4765	4765	4765	4645	4645	4645	4645	4445	4445	4445	4245	4245	4245	4085	4085	4085	4005
1	4325	4125	3965	3804	4245	4045	3884	3724	3884	3764	3604	3724	3604	3524	3564	3484	3404	3324
2	3924	3604	3324	3084	3844	3524	3284	3043	3364	3164	2963	3244	3084	2923	3124	2963	2843	2763
3	3604	3164	2843	2563	3484	3084	2803	2523	2963	2723	2483	2843	2643	2443	2763	2563	2403	2323
4	3284	2803	2443	2162	3204	2723	2403	2162	2643	2363	2122	2563	2283	2082	2443	2243	2042	1962
5	3003	2483	2122	1882	2923	2443	2122	1842	2363	2082	1842	2283	2002	1802	2203	1962	1802	1722
6	2803	2243	1882	1642	2723	2203	1882	1602	2122	1842	1602	2082	1802	1602	2002	1762	1562	1482
7	2603	2042	1682	1442	2523	2002	1682	1442	1962	1642	1402	1882	1602	1402	1842	1602	1402	1322
8	2403	1842	1522	1281	2363	1842	1522	1281	1762	1482	1281	1722	1442	1281	1682	1442	1241	1161
9	2243	1722	1362	1161	2203	1682	1362	1161	1642	1362	1161	1602	1322	1121	1562	1322	1121	1041
10	2122	1562	1241	1041	2042	1562	1241	1041	1522	1241	1041	1482	1201	1041	1442	1201	1041	961

