



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
OLI-R-2x2-DR3-30-80-OW-W
(White Housing – Direct – Opal Lenses)

Test Number

IES-P00114

Test Date

2017-05-23

The results contained in this report pertain only to the tested sample.
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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



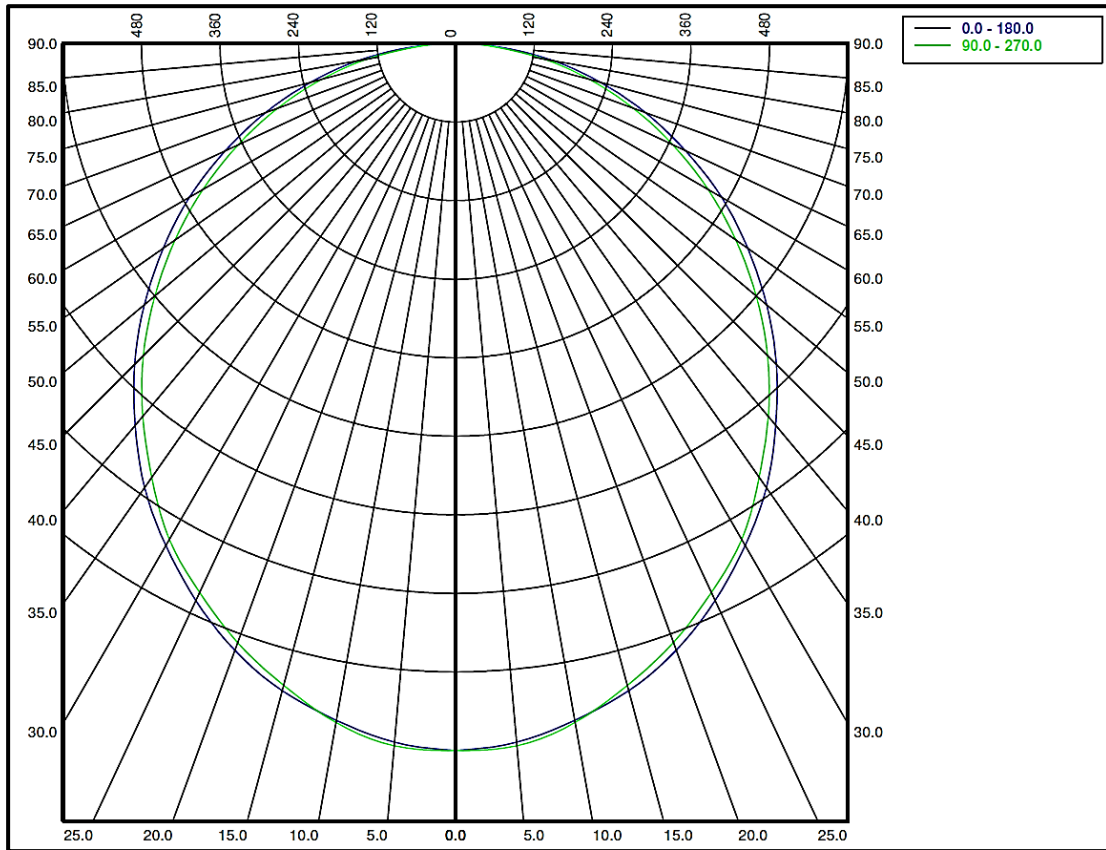
Image may differ slightly from actual unit

Summary of Results

System Power:	29.1W
Total Luminaire Output:	3004 Lumens
Luminaire Efficacy:	103 lm/W
Max Candela:	1085.16 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	101.66	3.4%	90-100	0	0.0%
10-20	287.33	9.6%	100-110	0	0.0%
20-30	429.74	14.3%	110-120	0	0.0%
30-40	511.03	17.0%	120-130	0	0.0%
40-50	524.79	17.5%	130-140	0	0.0%
50-60	474.61	15.8%	140-150	0	0.0%
60-70	370.24	12.3%	150-160	0	0.0%
70-80	229.01	7.6%	160-170	0	0.0%
80-90	75.69	2.5%	170-180	0	0.0%
0-90	3004.1	100.0%	0-180	3004.1	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	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085
5	1065	1073	1075	1071	1065	1071	1075	1073	1065	1073	1075	1071	1065	1071	1075	1073
10	1051	1052	1051	1049	1047	1049	1051	1052	1051	1052	1051	1049	1047	1049	1051	1052
15	1019	1017	1022	1016	1017	1016	1022	1017	1019	1017	1022	1016	1017	1016	1022	1017
20	983	980	979	977	977	977	979	980	983	980	979	977	977	977	979	980
25	941	936	932	931	926	931	932	936	941	936	932	931	926	931	932	936
30	889	884	875	874	871	874	875	884	889	884	875	874	871	874	875	884
35	826	822	815	810	813	810	815	822	826	822	815	810	813	810	815	822
40	761	758	748	743	743	743	748	758	761	758	748	743	743	743	748	758
45	691	687	678	673	671	673	678	687	691	687	678	673	671	673	678	687
50	623	614	604	599	598	599	604	614	623	614	604	599	598	599	604	614
55	548	536	528	523	522	523	528	536	548	536	528	523	522	523	528	536
60	468	459	450	445	444	445	450	459	468	459	450	445	444	445	450	459
65	386	380	371	369	367	369	371	380	386	380	371	369	367	369	371	380
70	309	300	291	288	290	288	291	300	309	300	291	288	290	288	291	300
75	228	221	214	211	213	211	214	221	228	221	214	211	213	211	214	221
80	152	144	136	136	138	136	136	144	152	144	136	136	138	136	136	144
85	71	66	60	59	60	59	60	66	71	66	60	59	60	59	60	66
90	13	12	12	13	13	13	12	12	13	12	12	13	13	13	12	12

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

ANGLES	0-Deg	45-Deg	90-Deg
0	3277	3277	3277
45	2966	2909	2881
55	2900	2793	2763
65	2773	2661	2636
75	2671	2504	2493
85	2465	2104	2080

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	3575	3575	3575	3575	3485	3485	3485	3485	3335	3335	3335	3184	3184	3184	3064	3064	3064	3004
1	3244	3094	2974	2854	3184	3034	2914	2794	2914	2824	2704	2794	2704	2644	2674	2614	2553	2493
2	2944	2704	2493	2313	2884	2644	2463	2283	2523	2373	2223	2433	2313	2193	2343	2223	2133	2073
3	2704	2373	2133	1923	2614	2313	2103	1893	2223	2043	1863	2133	1983	1833	2073	1923	1802	1742
4	2463	2103	1833	1622	2403	2043	1802	1622	1983	1772	1592	1923	1712	1562	1833	1682	1532	1472
5	2253	1863	1592	1412	2193	1833	1592	1382	1772	1562	1382	1712	1502	1352	1652	1472	1352	1292
6	2103	1682	1412	1232	2043	1652	1412	1202	1592	1382	1202	1562	1352	1202	1502	1322	1172	1112
7	1953	1532	1262	1081	1893	1502	1262	1081	1472	1232	1051	1412	1202	1051	1382	1202	1051	991
8	1802	1382	1142	961	1772	1382	1142	961	1322	1112	961	1292	1081	961	1262	1081	931	871
9	1682	1292	1021	871	1652	1262	1021	871	1232	1021	871	1202	991	841	1172	991	841	781
10	1592	1172	931	781	1532	1172	931	781	1142	931	781	1112	901	781	1081	901	781	721

