



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
KAY-L-4'-D5-30K-80-OPL-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00081

Test Date

2017-04-17

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Extruded Aluminum Housing, Direct w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling
Luminous Length:	48.13 in
Luminous Width:	2.31 in
Luminous Height:	0.00 in



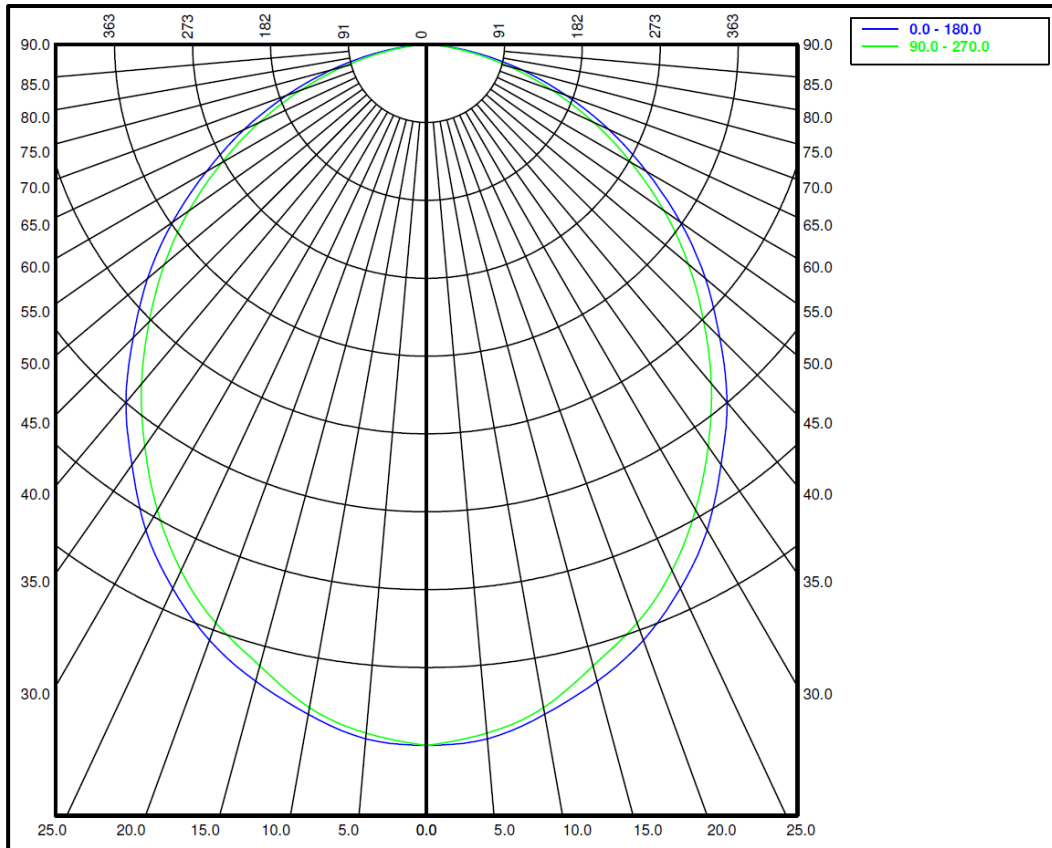
Image may differ slightly from actual unit

Summary of Results

System Power:	30.7W
Total Luminaire Output:	2013 Lumens
Luminaire Efficacy:	66 lm/W
Max Candela:	817.64 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	76.49	3.8%	90-100	0	0.0%
10-20	214.27	10.6%	100-110	0	0.0%
20-30	316.04	15.7%	110-120	0	0.0%
30-40	365.91	18.2%	120-130	0	0.0%
40-50	362.52	18.0%	130-140	0	0.0%
50-60	311.47	15.5%	140-150	0	0.0%
60-70	223.34	11.1%	150-160	0	0.0%
70-80	116.14	5.8%	160-170	0	0.0%
80-90	26.59	1.3%	170-180	0	0.0%
0-90	2012.77	100.0%	0-180	2012.77	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	818	818	818	818	818	818	818	818	818	818	818	818	818	818	818	818
5	813	804	805	808	806	808	805	804	813	804	805	808	806	808	805	804
10	793	794	790	780	786	780	790	794	793	794	790	780	786	780	790	794
15	769	763	759	754	750	754	759	763	769	763	759	754	750	754	759	763
20	739	731	727	721	718	721	727	731	739	731	727	721	718	721	727	731
25	700	694	684	680	677	680	684	694	700	694	684	680	677	680	684	694
30	654	647	638	631	627	631	638	647	654	647	638	631	627	631	638	647
35	598	593	582	579	572	579	582	593	598	593	582	579	572	579	582	593
40	545	537	526	520	517	520	526	537	545	537	526	520	517	520	526	537
45	483	476	470	462	457	462	470	476	483	476	470	462	457	462	470	476
50	424	416	410	401	399	401	410	416	424	416	410	401	399	401	410	416
55	361	355	348	340	338	340	348	355	361	355	348	340	338	340	348	355
60	296	293	286	280	276	280	286	293	296	293	286	280	276	280	286	293
65	235	231	226	219	215	219	226	231	235	231	226	219	215	219	226	231
70	174	172	167	159	156	159	167	172	174	172	167	159	156	159	167	172
75	116	115	109	103	101	103	109	115	116	115	109	103	101	103	109	115
80	64	62	57	53	51	53	57	62	64	62	57	53	51	53	57	62
85	22	21	18	16	15	16	18	21	22	21	18	16	15	16	18	21
90	5	4	3	3	3	3	3	4	5	4	3	3	3	3	3	4

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	11399	11399	11399
45	9521	9263	9004
55	8777	8448	8211
65	7739	7458	7101
75	6237	5850	5445
85	3513	2886	2391

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	2395	2395	2395	2395	2335	2335	2335	2335	2234	2234	2234	2134	2134	2134	2053	2053	2053	2013
1	2194	2113	2033	1952	2154	2073	1993	1912	1973	1912	1852	1892	1852	1811	1832	1791	1751	1711
2	2013	1852	1711	1610	1952	1811	1691	1590	1731	1630	1550	1671	1590	1510	1610	1550	1489	1449
3	1832	1630	1469	1349	1791	1610	1449	1328	1550	1409	1308	1489	1369	1288	1429	1349	1268	1228
4	1691	1449	1288	1147	1630	1429	1268	1147	1369	1228	1127	1328	1208	1107	1288	1188	1087	1047
5	1550	1308	1127	986	1510	1288	1107	986	1228	1087	986	1188	1067	966	1167	1047	966	906
6	1429	1167	1006	865	1409	1147	986	865	1127	966	865	1087	946	845	1047	946	845	805
7	1328	1067	886	765	1308	1047	886	765	1027	865	765	986	865	765	966	845	745	725
8	1248	986	805	684	1208	966	805	684	946	785	684	906	785	684	886	765	684	644
9	1167	906	745	624	1127	886	725	624	865	725	624	845	704	624	825	704	624	584
10	1087	825	664	564	1067	825	664	564	805	664	564	785	644	564	765	644	564	523

