



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'-D3-I10-30K-80-OPL-W

(White Housing – Direct / Indirect – Opal Lenses)

Test Number

IES-P00075

Test Date

2017-04-12

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Extruded Aluminum Housing, Direct / Indirect w/ Opal Lenses
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling
Luminous Length:	48.13 in
Luminous Width:	2.31 in
Luminous Height:	4.63 in



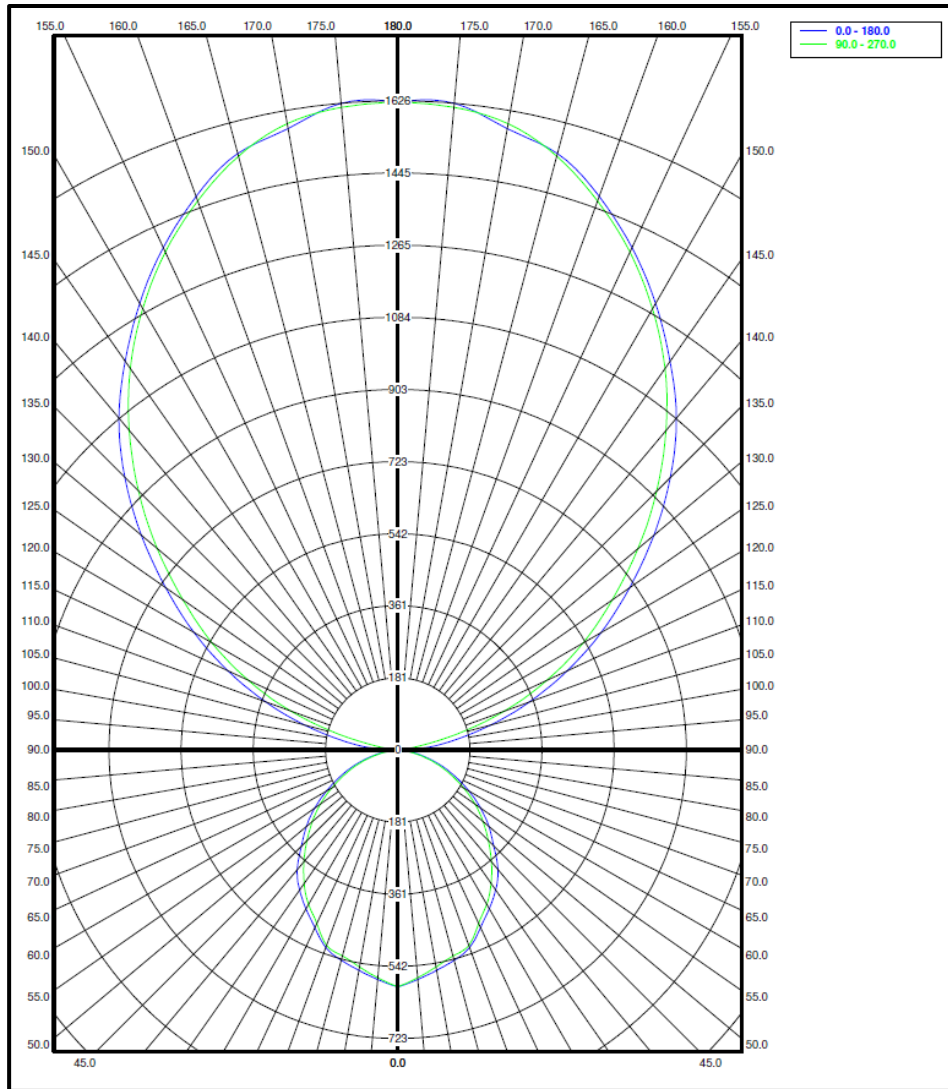
Image may differ slightly from actual unit

Summary of Results

System Power:	62.1W
Total Luminaire Output:	5418 Lumens
Luminaire Efficacy:	87 lm/W
Max Candela:	1626.13 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	54.83	1.0%	90-100	42.17	0.8%
10-20	152.68	2.8%	100-110	218.01	4.0%
20-30	224.31	4.1%	110-120	439.02	8.1%
30-40	259.27	4.8%	120-130	616.81	11.4%
40-50	255.06	4.7%	130-140	727.41	13.4%
50-60	217.7	4.0%	140-150	739.24	13.6%
60-70	153.83	2.8%	150-160	637.23	11.8%
70-80	78.03	1.4%	160-170	432.9	8.0%
80-90	16.43	0.3%	170-180	152.99	2.8%
0-90	1412.14	26.1%	0-180	5417.92	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	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593
5	577	579	587	578	573	578	587	579	577	579	587	578	573	578	587	579
10	560	565	562	562	552	562	562	565	560	565	562	562	552	562	562	565
15	545	545	539	538	534	538	539	545	545	545	539	538	534	538	539	545
20	526	523	515	514	521	514	515	523	526	523	515	514	521	514	515	523
25	491	492	489	481	479	481	489	492	491	492	489	481	479	481	489	492
30	459	459	452	444	446	444	452	459	459	459	452	444	446	444	452	459
35	428	422	414	407	408	407	414	422	428	422	414	407	408	407	414	422
40	391	378	371	364	365	364	371	378	391	378	371	364	365	364	371	378
45	341	337	328	326	321	326	328	337	341	337	328	326	321	326	328	337
50	299	292	288	280	279	280	288	292	299	292	288	280	279	280	288	292
55	253	247	244	238	237	238	244	247	253	247	244	238	237	238	244	247
60	206	204	200	193	191	193	200	204	206	204	200	193	191	193	200	204
65	160	160	156	150	147	150	156	160	160	160	156	150	147	150	156	160
70	118	117	113	109	107	109	113	117	118	117	113	109	107	109	113	117
75	77	77	73	70	68	70	73	77	77	77	73	70	68	70	73	77
80	41	40	36	34	32	34	36	40	41	40	36	34	32	34	36	40
85	14	12	11	10	9	10	11	12	14	12	11	10	9	10	11	12
90	5	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1
95	75	48	12	8	8	8	12	48	75	48	12	8	8	8	12	48
100	146	143	98	57	48	57	98	143	146	143	98	57	48	57	98	143
105	242	237	209	170	151	170	209	237	242	237	209	170	151	170	209	237
110	351	345	325	297	286	297	325	345	351	345	325	297	286	297	325	345
115	468	466	446	422	412	422	446	466	468	466	446	422	412	422	446	466
120	589	586	566	547	537	547	566	586	589	586	566	547	537	547	566	586
125	709	710	691	668	656	668	691	710	709	710	691	668	656	668	691	710
130	838	837	816	802	786	802	816	837	838	837	816	802	786	802	816	837
135	966	964	944	923	917	923	944	964	966	964	944	923	917	923	944	964
140	1086	1085	1062	1046	1045	1046	1062	1085	1086	1085	1062	1046	1045	1046	1062	1085
145	1189	1196	1190	1171	1167	1171	1190	1196	1189	1196	1190	1171	1167	1171	1190	1196
150	1292	1299	1291	1280	1276	1280	1291	1299	1292	1299	1291	1280	1276	1280	1291	1299
155	1389	1392	1385	1373	1376	1373	1385	1392	1389	1392	1385	1373	1376	1373	1385	1392
160	1476	1471	1475	1461	1464	1461	1475	1471	1476	1471	1475	1461	1464	1461	1475	1471
165	1547	1541	1534	1530	1540	1530	1534	1541	1547	1541	1534	1530	1540	1530	1534	1541
170	1581	1583	1589	1576	1593	1576	1589	1583	1581	1583	1589	1576	1593	1576	1589	1583
175	1626	1602	1618	1606	1616	1606	1618	1602	1626	1602	1618	1606	1616	1606	1618	1602
180	1623	1623	1623	1623	1623	1623	1623	1623	1623	1623	1623	1623	1623	1623	1623	1623

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	8268	8268	8268
45	6123	2602	2109
55	5409	1902	1488
65	4377	1231	918
75	3046	599	435
85	1043	94	61

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	5472	5472	5472	5472	4876	4876	4876	4876	3793	3793	3793	2763	2763	2763	1842	1842	1842	1409
1	5039	4768	4605	4389	4443	4280	4118	3955	3305	3197	3142	2438	2384	2330	1625	1625	1571	1192
2	4551	4172	3847	3630	4063	3738	3467	3251	2926	2763	2601	2167	2059	1950	1463	1409	1354	1029
3	4172	3684	3305	2980	3684	3305	2980	2709	2601	2330	2167	1896	1788	1625	1300	1192	1138	867
4	3793	3251	2817	2546	3359	2926	2546	2276	2276	2059	1842	1680	1517	1409	1138	1084	975	759
5	3467	2871	2492	2167	3088	2601	2221	1950	2059	1788	1571	1517	1354	1192	1029	921	867	650
6	3197	2601	2167	1842	2871	2330	1950	1680	1842	1571	1354	1354	1192	1084	921	813	759	596
7	2980	2330	1896	1625	2655	2113	1734	1463	1680	1409	1192	1246	1084	921	867	759	650	488
8	2763	2113	1680	1409	2438	1896	1571	1300	1517	1246	1084	1138	975	813	813	650	596	433
9	2546	1896	1517	1246	2276	1734	1409	1138	1354	1138	921	1029	867	759	704	596	542	433
10	2384	1734	1354	1138	2113	1571	1246	1029	1246	1029	867	975	813	650	650	542	488	379

