

## **Indoor Distribution Test Report**

### **Picasso Lighting Industries, LLC**

46 Sellers St.  
Kearny, NJ 07032

#### **Photopia Photometric Analysis & Optical Design**

**Catalog Number**  
**JAC-L-24-T7-30K-80-OPL**  
(White Housing – Direct – Opal Lenses)

Test Number

**IES-P00071**

Test Date

2017-03-02

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.

<b>Luminaire Description:</b>	White, Sheet Metal Housing, Direct w/ Opal Lenses
<b>Lamp:</b>	LED (3000K, 80+ CRI)
<b>Installation:</b>	Recess Mounted
<b>Luminous Length:</b>	46.56 in
<b>Luminous Width:</b>	22.63 in
<b>Luminous Height:</b>	0.00 in



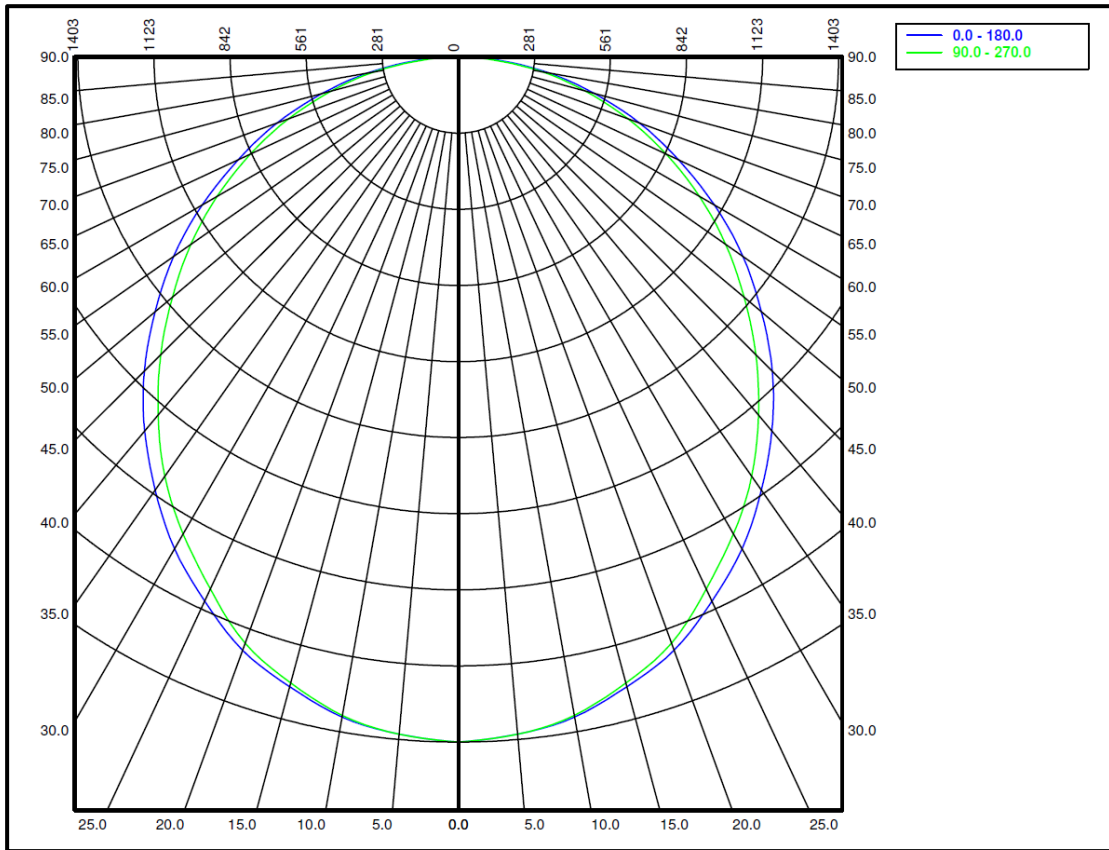
Image may differ slightly from actual unit

#### **Summary of Results**

<b>System Power:</b>	68.3W
<b>Total Luminaire Output:</b>	7018 Lumens
<b>Luminaire Efficacy:</b>	103 lm/W
<b>Max Candela:</b>	2525.75 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	238.56	3.4%	90-100	0	0.0%
10-20	677.28	9.7%	100-110	0	0.0%
20-30	1011.09	14.4%	110-120	0	0.0%
30-40	1199.38	17.1%	120-130	0	0.0%
40-50	1225.31	17.5%	130-140	0	0.0%
50-60	1103.87	15.7%	140-150	0	0.0%
60-70	858.66	12.2%	150-160	0	0.0%
70-80	528.77	7.5%	160-170	0	0.0%
80-90	174.77	2.5%	170-180	0	0.0%
0-90	7017.69	100.0%	0-180	7017.69	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	2526	2526	2526	2526	2526	2526	2526	2526	2526	2526	2526	2526	2526	2526	2526	2526
5	2506	2519	2511	2521	2506	2521	2511	2519	2506	2519	2511	2521	2506	2521	2511	2519
10	2471	2466	2473	2473	2465	2473	2473	2466	2471	2466	2473	2473	2465	2473	2473	2466
15	2403	2410	2401	2399	2389	2399	2401	2410	2403	2410	2401	2399	2389	2399	2401	2410
20	2328	2320	2310	2296	2300	2296	2310	2320	2328	2320	2310	2296	2300	2296	2310	2320
25	2214	2214	2194	2178	2165	2178	2194	2214	2214	2214	2194	2178	2165	2178	2194	2214
30	2094	2085	2065	2041	2031	2041	2065	2085	2094	2085	2065	2041	2031	2041	2065	2085
35	1950	1943	1912	1896	1887	1896	1912	1943	1950	1943	1912	1896	1887	1896	1912	1943
40	1800	1783	1757	1730	1723	1730	1757	1783	1800	1783	1757	1730	1723	1730	1757	1783
45	1638	1614	1580	1558	1553	1558	1580	1614	1638	1614	1580	1558	1553	1558	1580	1614
50	1460	1439	1407	1386	1376	1386	1407	1439	1460	1439	1407	1386	1376	1386	1407	1439
55	1282	1258	1228	1208	1205	1208	1228	1258	1282	1258	1228	1208	1205	1208	1228	1258
60	1091	1074	1044	1029	1027	1029	1044	1074	1091	1074	1044	1029	1027	1029	1044	1074
65	897	884	863	849	846	849	863	884	897	884	863	849	846	849	863	884
70	713	694	678	668	667	668	678	694	713	694	678	668	667	668	678	694
75	522	510	496	487	485	487	496	510	522	510	496	487	485	487	496	510
80	341	334	317	312	315	312	317	334	341	334	317	312	315	312	317	334
85	165	155	141	134	135	134	141	155	165	155	141	134	135	134	141	155
90	35	29	26	28	29	28	26	29	35	29	26	28	29	28	26	29

### Average Luminance (cd/m<sup>2</sup>)

#### Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	3716	3716	3716
45	3405	3283	3228
55	3285	3147	3088
65	3119	3001	2943
75	2962	2815	2756
85	2777	2380	2270

**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	8351	8351	8351	8351	8141	8141	8141	8141	7790	7790	7790	7439	7439	7439	7158	7158	7158	7018
1	7579	7228	6948	6667	7439	7088	6807	6597	6807	6597	6386	6526	6316	6176	6246	6105	5965	5825
2	6877	6316	5825	5404	6737	6176	5755	5333	5965	5544	5193	5684	5404	5123	5474	5193	4983	4842
3	6316	5544	4983	4491	6105	5404	4912	4421	5193	4772	4351	5053	4632	4281	4842	4491	4211	4070
4	5755	4912	4281	3790	5614	4842	4211	3790	4632	4140	3719	4491	4000	3649	4351	3930	3649	3439
5	5263	4351	3719	3298	5123	4281	3719	3228	4140	3649	3228	4000	3579	3158	3860	3509	3158	3018
6	4912	3930	3298	2877	4772	3860	3298	2877	3790	3228	2807	3649	3158	2807	3509	3088	2737	2597
7	4561	3579	2947	2526	4421	3509	2947	2526	3439	2877	2526	3298	2807	2456	3228	2807	2456	2316
8	4211	3298	2667	2246	4140	3228	2667	2246	3158	2597	2246	3018	2597	2246	2947	2526	2175	2105
9	3930	3018	2456	2035	3860	2947	2386	2035	2877	2386	2035	2807	2316	2035	2737	2316	1965	1895
10	3719	2807	2246	1825	3579	2737	2175	1825	2667	2175	1825	2597	2175	1825	2526	2105	1825	1684

