



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

TRU-L-4'-D3-I10-30K-80-OPL-W

(White Housing – Direct / Indirect – Opal Lens)

Test Number

IES-P00004

Test Date

2017-01-12

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Aluminum, Extruded Housing, Direct / Indirect w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling
Luminous Length:	47.50 in
Luminous Width:	2.75 in
Luminous Height:	0.00 in



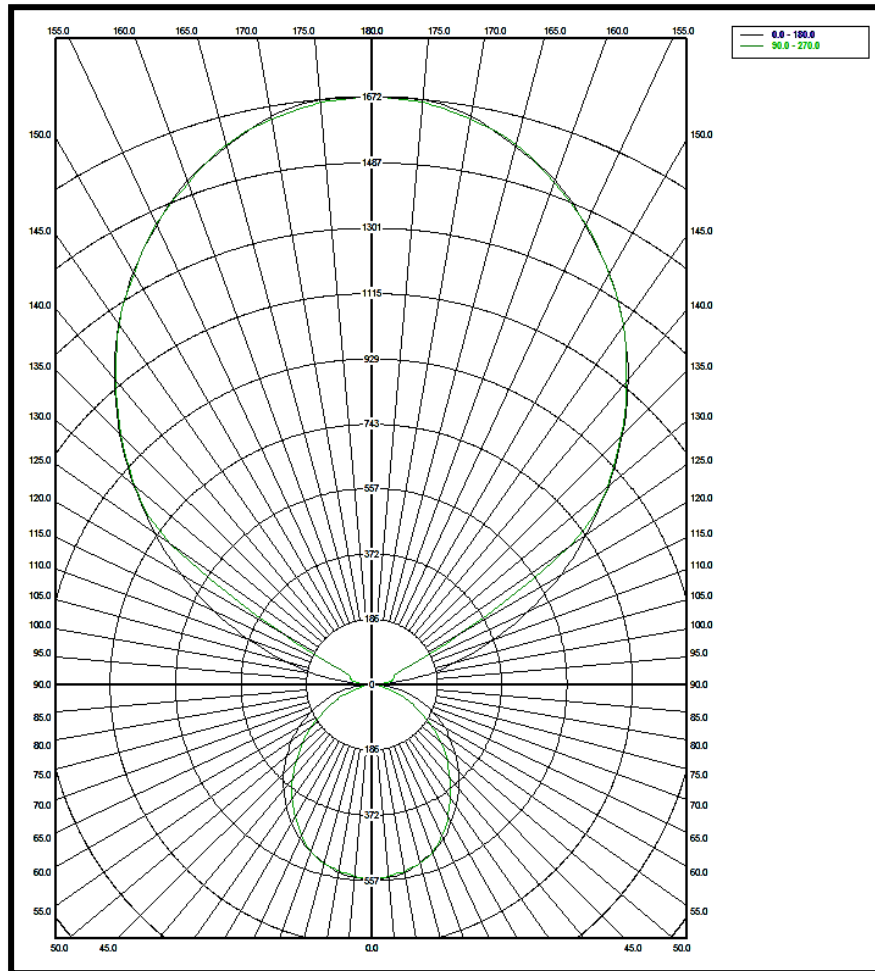
Image may differ slightly from actual unit

Summary of Results

System Power:	55.0W
Total Luminaire Output:	5411 Lumens
Luminaire Efficacy:	98 lm/W
Max Candela:	1672.4 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	52.06	1.0%	90-100	36.52	0.7%
10-20	148	2.7%	100-110	133.98	2.5%
20-30	220.9	4.1%	110-120	348.21	6.4%
30-40	257.41	4.8%	120-130	651.73	12.0%
40-50	255.23	4.7%	130-140	781.58	14.4%
50-60	218.13	4.0%	140-150	782.26	14.5%
60-70	154.35	2.9%	150-160	666.07	12.3%
70-80	77.92	1.4%	160-170	448.82	8.3%
80-90	20.18	0.4%	170-180	158.03	2.9%
0-90	1404.18	25.9%	0-180	5411.38	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	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555
5	550	545	550	549	547	549	550	545	550	545	550	549	547	549	550	545
10	543	539	538	536	538	536	538	539	543	539	538	536	538	536	538	539
15	524	524	524	526	526	526	524	524	524	524	524	526	526	526	524	524
20	506	505	506	506	505	506	506	505	506	505	506	506	505	506	506	505
25	483	483	482	477	473	477	482	483	483	483	482	477	473	477	482	483
30	455	456	452	443	434	443	452	456	455	456	452	443	434	443	452	456
35	423	423	415	399	395	399	415	423	423	423	415	399	395	399	415	423
40	389	389	375	356	351	356	375	389	389	389	375	356	351	356	375	389
45	355	353	331	311	303	311	331	353	355	353	331	311	303	311	331	353
50	316	311	287	264	258	264	287	311	316	311	287	264	258	264	287	311
55	276	271	242	219	210	219	242	271	276	271	242	219	210	219	242	271
60	239	227	197	173	165	173	197	227	239	227	197	173	165	173	197	227
65	196	183	151	129	122	129	151	183	196	183	151	129	122	129	151	183
70	156	138	107	88	82	88	107	138	156	138	107	88	82	88	107	138
75	113	94	64	49	45	49	64	94	113	94	64	49	45	49	64	94
80	73	51	30	27	27	27	30	51	73	51	30	27	27	27	30	51
85	28	15	14	14	14	14	14	15	28	15	14	14	14	14	14	15
90	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
95	61	24	27	28	28	28	27	24	61	24	27	28	28	28	27	24
100	158	74	46	52	53	52	46	74	158	74	46	52	53	52	46	74
105	254	204	54	60	63	60	54	204	254	204	54	60	63	60	54	204
110	370	374	145	65	66	65	145	374	370	374	145	65	66	65	145	374
115	495	504	403	132	93	132	403	504	495	504	403	132	93	132	403	504
120	623	631	627	447	309	447	627	631	623	631	627	447	309	447	627	631
125	752	757	761	736	696	736	761	757	752	757	761	736	696	736	761	757
130	882	886	889	884	878	884	889	886	882	886	889	884	878	884	889	886
135	1011	1016	1015	1014	1008	1014	1015	1016	1011	1016	1015	1014	1008	1014	1015	1016
140	1137	1138	1141	1133	1130	1133	1141	1138	1137	1138	1141	1133	1130	1133	1141	1138
145	1253	1253	1253	1250	1251	1250	1253	1253	1253	1253	1253	1250	1251	1250	1253	1253
150	1355	1352	1357	1352	1353	1352	1357	1352	1355	1352	1357	1352	1353	1352	1357	1352
155	1445	1446	1447	1444	1447	1444	1447	1446	1445	1446	1447	1444	1447	1444	1447	1446
160	1530	1529	1531	1522	1522	1522	1531	1529	1530	1529	1531	1522	1522	1522	1531	1529
165	1587	1596	1597	1591	1594	1591	1597	1596	1587	1596	1597	1591	1594	1591	1597	1596
170	1643	1636	1643	1633	1635	1633	1643	1636	1643	1636	1643	1633	1635	1633	1643	1636
175	1672	1664	1663	1664	1664	1664	1663	1664	1672	1664	1663	1664	1664	1664	1663	1664
180	1672	1672	1672	1672	1672	1672	1672	1672	1672	1672	1672	1672	1672	1672	1672	1672

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	6591	6591	6591
45	5278	2111	1598
55	4837	1501	1056
65	4334	942	604
75	3520	416	225
85	1566	94	71

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	5465	5465	5465	5465	4870	4870	4870	4870	3788	3788	3788	2760	2760	2760	1840	1840	1840	1407
1	5033	4762	4600	4383	4437	4275	4113	3950	3301	3193	3084	2435	2381	2327	1623	1569	1569	1191
2	4546	4167	3842	3572	4059	3734	3463	3247	2922	2706	2597	2165	2056	1948	1461	1353	1299	1028
3	4167	3680	3301	2976	3680	3301	2976	2706	2543	2327	2165	1894	1732	1623	1299	1191	1136	866
4	3788	3247	2814	2543	3355	2922	2543	2273	2273	2056	1840	1678	1515	1407	1136	1028	974	758
5	3463	2868	2489	2165	3084	2597	2219	1948	2056	1786	1569	1515	1353	1191	1028	920	866	649
6	3193	2597	2165	1840	2868	2327	1948	1678	1840	1569	1353	1353	1191	1028	920	812	758	541
7	2976	2327	1894	1623	2652	2110	1732	1461	1623	1407	1191	1245	1082	920	866	758	649	487
8	2706	2110	1678	1407	2435	1894	1515	1299	1515	1245	1082	1136	974	812	758	649	595	433
9	2543	1894	1515	1245	2273	1732	1407	1136	1353	1136	920	1028	866	758	703	595	541	379
10	2381	1732	1353	1136	2110	1569	1245	1028	1245	1028	866	974	758	649	649	541	487	379

