

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

JUL-R-3-DR37-30-80-OW-W

(White Housing – Direct – Round Opal Lens)

Test Number

IES-P00133

Test Date

2017-09-18

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	White, Sheet Metal Housing, Direct w/ Frosted White Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Recess Mounted
Luminous Length:	34.56 in
Luminous Width:	34.56 in
Luminous Height:	0.00 in



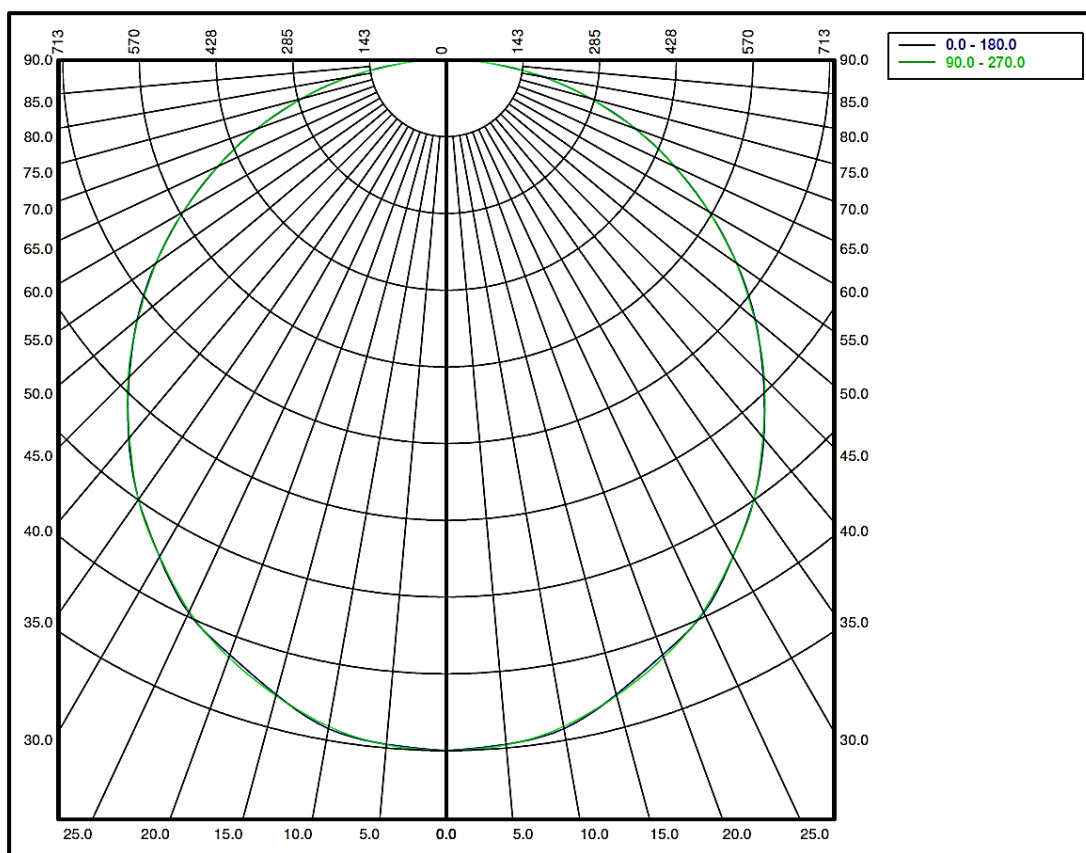
Image may differ slightly from actual unit

Summary of Results

System Power:	41.3W
Total Luminaire Output:	3704 Lumens
Luminaire Efficacy:	90 lm/W
Max Candela:	1282.70 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	121.1	3.3%	90-100	0	0.0%
10-20	345.3	9.3%	100-110	0	0.0%
20-30	519.63	14.0%	110-120	0	0.0%
30-40	622.36	16.8%	120-130	0	0.0%
40-50	644.89	17.4%	130-140	0	0.0%
50-60	588.21	15.9%	140-150	0	0.0%
60-70	464.37	12.5%	150-160	0	0.0%
70-80	294.02	7.9%	160-170	0	0.0%
80-90	104.48	2.8%	170-180	0	0.0%
0-90	3704.36	100.0%	0-180	3704.37	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	1283	1283	1283	1283	1283	1283	1283	1283	1283	1283	1283	1283	1283	1283	1283	1283
5	1276	1277	1277	1272	1277	1272	1277	1277	1276	1277	1277	1272	1277	1272	1277	1277
10	1261	1255	1252	1254	1257	1254	1252	1255	1261	1255	1252	1254	1257	1254	1252	1255
15	1221	1228	1224	1224	1223	1224	1224	1228	1221	1228	1224	1224	1223	1224	1224	1228
20	1176	1184	1182	1182	1181	1182	1182	1184	1176	1184	1182	1182	1181	1182	1182	1184
25	1133	1128	1125	1125	1130	1125	1125	1128	1133	1128	1125	1125	1130	1125	1125	1128
30	1066	1066	1065	1065	1065	1065	1065	1066	1066	1066	1065	1065	1065	1065	1065	1066
35	997	995	994	993	997	993	994	995	997	995	994	993	997	993	994	995
40	918	918	918	917	915	917	918	918	918	918	918	917	915	917	918	918
45	833	837	837	836	836	836	837	837	833	837	837	836	836	836	837	837
50	749	749	749	748	747	748	749	749	749	749	749	748	747	748	749	749
55	659	657	658	656	658	656	658	657	659	657	658	656	658	656	658	657
60	564	565	565	564	564	564	565	565	564	565	565	564	564	564	565	565
65	468	468	468	469	469	469	468	468	468	468	468	469	469	469	468	468
70	375	373	374	372	373	372	374	373	375	373	374	372	373	372	374	373
75	278	278	277	278	277	278	277	278	278	278	277	278	277	278	277	278
80	185	185	185	186	186	186	185	185	185	185	185	186	186	186	185	185
85	90	90	91	90	90	90	91	90	90	90	91	90	90	90	91	90
90	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	1664	1664	1664
45	1527	1534	1534
55	1490	1487	1487
65	1437	1437	1440
75	1391	1389	1388
85	1345	1349	1343

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	4408	4408	4408	4408	4297	4297	4297	4297	4112	4112	4112	3927	3927	3927	3778	3778	3778	3704
1	4001	3815	3667	3519	3890	3741	3593	3445	3593	3445	3334	3445	3334	3223	3297	3223	3149	3075
2	3630	3334	3038	2815	3519	3260	3001	2815	3112	2926	2741	3001	2815	2667	2889	2741	2593	2519
3	3297	2889	2593	2334	3223	2852	2556	2334	2741	2482	2297	2630	2408	2223	2519	2371	2186	2111
4	3038	2556	2223	1963	2926	2519	2223	1963	2408	2149	1926	2334	2111	1926	2260	2037	1889	1815
5	2778	2297	1963	1704	2704	2260	1926	1704	2186	1889	1667	2111	1852	1667	2037	1815	1630	1556
6	2556	2074	1741	1482	2482	2037	1704	1482	1963	1667	1445	1889	1630	1445	1852	1630	1445	1371
7	2371	1852	1556	1297	2297	1852	1519	1297	1778	1482	1297	1741	1482	1297	1667	1445	1259	1185
8	2223	1704	1371	1185	2149	1667	1371	1148	1630	1371	1148	1593	1334	1148	1556	1297	1148	1074
9	2074	1556	1259	1037	2000	1556	1259	1037	1519	1222	1037	1445	1222	1037	1408	1185	1037	963
10	1926	1445	1148	963	1889	1408	1148	963	1371	1111	963	1371	1111	926	1334	1111	926	852

