

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
JAC-L-14-T4-30K-80-OPL
(White Housing – Direct – Opal Lenses)

Test Number

IES-P00067

Test Date

2017-03-01

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	White, Sheet Metal Housing, Direct w/ Opal Lenses
Lamp:	LED (3000K, 80+ CRI)
Installation:	Recess Mounted
Luminous Length:	46.56 in
Luminous Width:	10.63 in
Luminous Height:	0.00 in



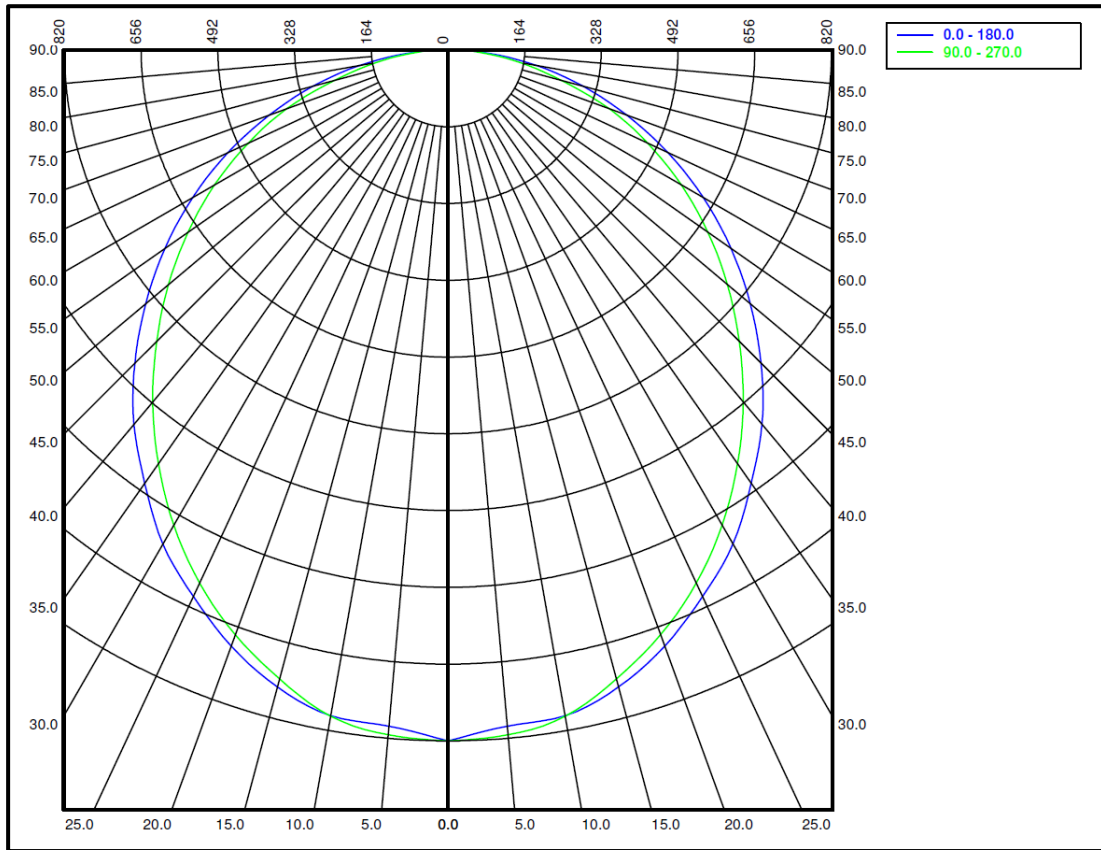
Image may differ slightly from actual unit

Summary of Results

System Power:	40.5W
Total Luminaire Output:	4017 Lumens
Luminaire Efficacy:	99 lm/W
Max Candela:	1476.45 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	139.06	3.5%	90-100	0	0.0%
10-20	394.24	9.8%	100-110	0	0.0%
20-30	586.18	14.6%	110-120	0	0.0%
30-40	691.36	17.2%	120-130	0	0.0%
40-50	702.84	17.5%	130-140	0	0.0%
50-60	629.38	15.7%	140-150	0	0.0%
60-70	486.07	12.1%	150-160	0	0.0%
70-80	291.52	7.3%	160-170	0	0.0%
80-90	95.95	2.4%	170-180	0	0.0%
0-90	4016.6	100.0%	0-180	4016.6	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	1476	1476	1476	1476	1476	1476	1476	1476	1476	1476	1476	1476	1476	1476	1476	1476
5	1451	1466	1459	1468	1469	1468	1459	1466	1451	1466	1459	1468	1469	1468	1459	1466
10	1445	1442	1438	1440	1446	1440	1438	1442	1445	1442	1438	1440	1446	1440	1438	1442
15	1410	1395	1402	1399	1392	1399	1402	1395	1410	1395	1402	1399	1392	1399	1402	1395
20	1356	1346	1343	1328	1330	1328	1343	1346	1356	1346	1343	1328	1330	1328	1343	1346
25	1289	1286	1271	1261	1257	1261	1271	1286	1289	1286	1271	1261	1257	1261	1271	1286
30	1219	1209	1193	1178	1173	1178	1193	1209	1219	1209	1193	1178	1173	1178	1193	1209
35	1131	1122	1104	1087	1080	1087	1104	1122	1131	1122	1104	1087	1080	1087	1104	1122
40	1045	1031	1009	989	983	989	1009	1031	1045	1031	1009	989	983	989	1009	1031
45	947	930	909	889	881	889	909	930	947	930	909	889	881	889	909	930
50	844	828	804	785	781	785	804	828	844	828	804	785	781	785	804	828
55	739	724	701	683	679	683	701	724	739	724	701	683	679	683	701	724
60	631	614	592	579	576	579	592	614	631	614	592	579	576	579	592	614
65	519	505	486	476	472	476	486	505	519	505	486	476	472	476	486	505
70	407	399	382	372	367	372	382	399	407	399	382	372	367	372	382	399
75	299	291	275	258	251	258	275	291	299	291	275	258	251	258	275	291
80	194	185	164	158	157	158	164	185	194	185	164	158	157	158	164	185
85	92	82	78	77	77	77	78	82	92	82	78	77	77	77	78	82
90	19	20	22	22	23	22	22	20	19	20	22	22	23	22	22	20

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	4626	4626	4626
45	4193	4022	3900
55	4034	3824	3703
65	3846	3598	3495
75	3614	3324	3041
85	3293	2786	2763

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	4780	4780	4780	4780	4659	4659	4659	4659	4458	4458	4458	4258	4258	4258	4097	4097	4097	4017
1	4338	4177	3976	3816	4258	4057	3896	3776	3896	3776	3655	3735	3615	3535	3615	3494	3414	3334
2	3976	3615	3334	3133	3856	3535	3294	3093	3414	3173	3012	3253	3093	2932	3133	3012	2852	2771
3	3615	3173	2852	2571	3494	3133	2812	2571	3012	2731	2530	2892	2651	2490	2771	2611	2450	2330
4	3294	2812	2450	2209	3213	2771	2450	2169	2651	2370	2129	2571	2330	2129	2490	2249	2089	2008
5	3053	2530	2169	1888	2972	2490	2129	1888	2410	2089	1848	2330	2048	1848	2249	2008	1807	1727
6	2812	2289	1928	1647	2731	2249	1888	1647	2169	1848	1647	2089	1807	1607	2048	1807	1607	1526
7	2611	2048	1727	1446	2530	2048	1687	1446	1968	1647	1446	1928	1647	1446	1848	1607	1406	1325
8	2410	1888	1526	1285	2370	1848	1526	1285	1807	1486	1285	1767	1486	1285	1687	1446	1285	1205
9	2289	1727	1406	1165	2209	1687	1406	1165	1647	1366	1165	1607	1366	1165	1566	1325	1165	1084
10	2129	1607	1285	1084	2089	1566	1285	1084	1526	1245	1044	1486	1245	1044	1446	1205	1044	964

