



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
JAC-L-24-T5-30K-80-OPL
(White Housing – Direct – Opal Lenses)

Test Number

IES-P00070

Test Date

2017-03-02

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:	22.63 in
Luminous Height:	0.00 in



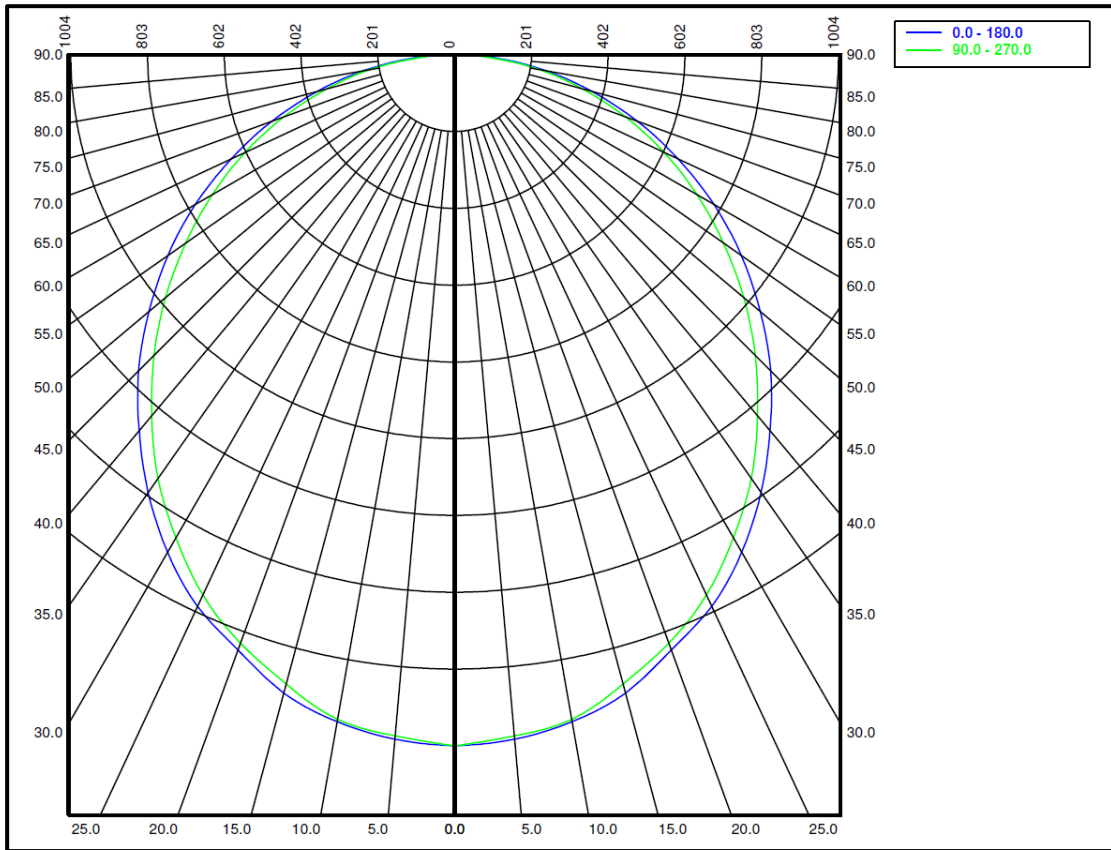
Image may differ slightly from actual unit

Summary of Results

System Power:	45.7W
Total Luminaire Output:	5023 Lumens
Luminaire Efficacy:	110 lm/W
Max Candela:	1810.27 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	170.93	3.4%	90-100	0	0.0%
10-20	484.54	9.6%	100-110	0	0.0%
20-30	723.2	14.4%	110-120	0	0.0%
30-40	858.58	17.1%	120-130	0	0.0%
40-50	877.67	17.5%	130-140	0	0.0%
50-60	789.86	15.7%	140-150	0	0.0%
60-70	614.44	12.2%	150-160	0	0.0%
70-80	378.72	7.5%	160-170	0	0.0%
80-90	125.26	2.5%	170-180	0	0.0%
0-90	5023.20	100.0%	0-180	5023.20	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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
5	1797	1806	1808	1810	1788	1810	1808	1806	1797	1806	1808	1810	1788	1810	1808	1806
10	1771	1762	1768	1770	1765	1770	1768	1762	1771	1762	1768	1770	1765	1770	1768	1762
15	1728	1726	1724	1710	1704	1710	1724	1726	1728	1726	1724	1710	1704	1710	1724	1726
20	1657	1661	1653	1645	1638	1645	1653	1661	1657	1661	1653	1645	1638	1645	1653	1661
25	1592	1578	1567	1555	1559	1555	1567	1578	1592	1578	1567	1555	1559	1555	1567	1578
30	1502	1488	1475	1464	1458	1464	1475	1488	1502	1488	1475	1464	1458	1464	1475	1488
35	1398	1391	1371	1356	1353	1356	1371	1391	1398	1391	1371	1356	1353	1356	1371	1391
40	1284	1281	1254	1237	1232	1237	1254	1281	1284	1281	1254	1237	1232	1237	1254	1281
45	1169	1157	1134	1118	1112	1118	1134	1157	1169	1157	1134	1118	1112	1118	1134	1157
50	1043	1029	1010	990	987	990	1010	1029	1043	1029	1010	990	987	990	1010	1029
55	916	899	879	866	859	866	879	899	916	899	879	866	859	866	879	899
60	783	764	749	738	732	738	749	764	783	764	749	738	732	738	749	764
65	645	633	616	608	605	608	616	633	645	633	616	608	605	608	616	633
70	509	498	485	478	475	478	485	498	509	498	485	478	475	478	485	498
75	374	365	356	349	347	349	356	365	374	365	356	349	347	349	356	365
80	244	239	229	224	225	224	229	239	244	239	229	224	225	224	229	239
85	119	111	101	96	96	96	101	111	119	111	101	96	96	96	101	111
90	25	21	19	19	20	19	19	21	25	21	19	19	20	19	19	21

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	2659	2659	2659
45	2430	2358	2311
55	2346	2253	2200
65	2244	2142	2105
75	2123	2023	1968
85	2003	1707	1619

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	5978	5978	5978	5978	5827	5827	5827	5827	5576	5576	5576	5325	5325	5325	5124	5124	5124	5023
1	5425	5174	4973	4772	5325	5073	4873	4722	4873	4722	4571	4672	4521	4420	4471	4370	4270	4169
2	4923	4521	4169	3868	4822	4420	4119	3818	4270	3968	3717	4069	3868	3667	3918	3717	3566	3466
3	4521	3968	3566	3215	4370	3868	3516	3165	3717	3416	3114	3617	3315	3064	3466	3215	3014	2913
4	4119	3516	3064	2713	4019	3466	3014	2713	3315	2964	2662	3215	2863	2612	3114	2813	2612	2461
5	3818	3114	2662	2361	3667	3064	2662	2311	2964	2612	2311	2863	2562	2260	2763	2512	2260	2160
6	3516	2813	2361	2060	3416	2763	2361	2060	2713	2311	2009	2612	2260	2009	2512	2210	1959	1859
7	3265	2562	2110	1808	3165	2512	2110	1808	2461	2060	1808	2361	2009	1758	2311	2009	1758	1658
8	3014	2361	1909	1607	2964	2311	1909	1607	2260	1859	1607	2160	1859	1607	2110	1808	1557	1507
9	2813	2160	1758	1457	2763	2110	1708	1457	2060	1708	1457	2009	1658	1457	1959	1658	1406	1356
10	2662	2009	1607	1306	2612	1959	1557	1306	1909	1557	1306	1859	1557	1306	1808	1507	1306	1206

