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
CLA-L-4'-I7-30K-80-OPL-W
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00101

Test Date

2017-04-24

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Luminaire Description:	Extruded Aluminum Housing, Indirect w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling
Luminous Length:	47.75 in
Luminous Width:	0.81 in
Luminous Height:	0.00 in

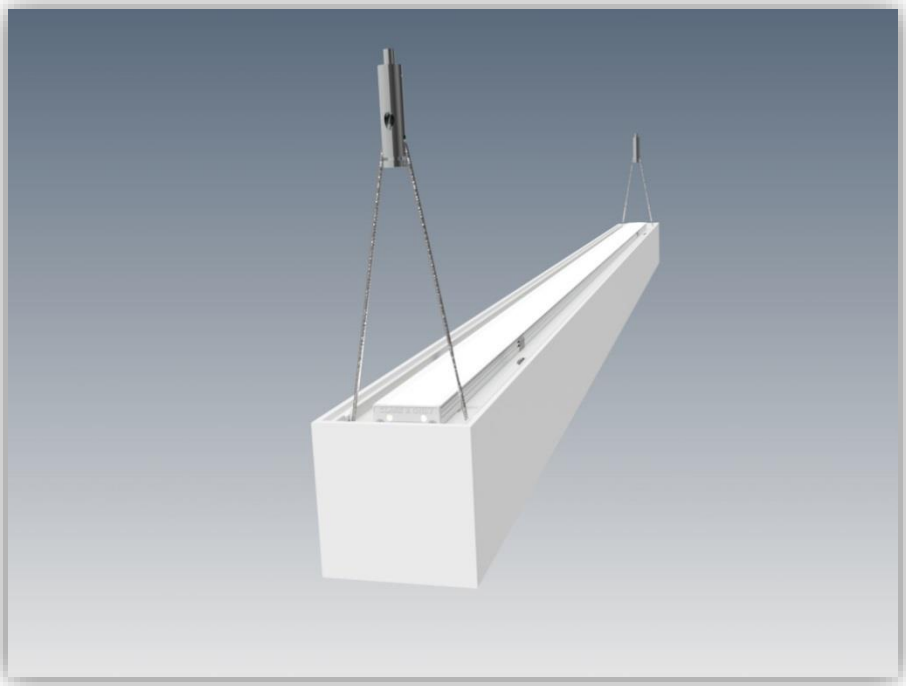

Image may differ slightly from actual unit

Summary of Results

System Power:	29.4W
Total Luminaire Output:	3006 Lumens
Luminaire Efficacy:	102 lm/W
Max Candela:	1182.79 Candela

Calculated results may not be representative of field performance
Ballast factors have not been applied

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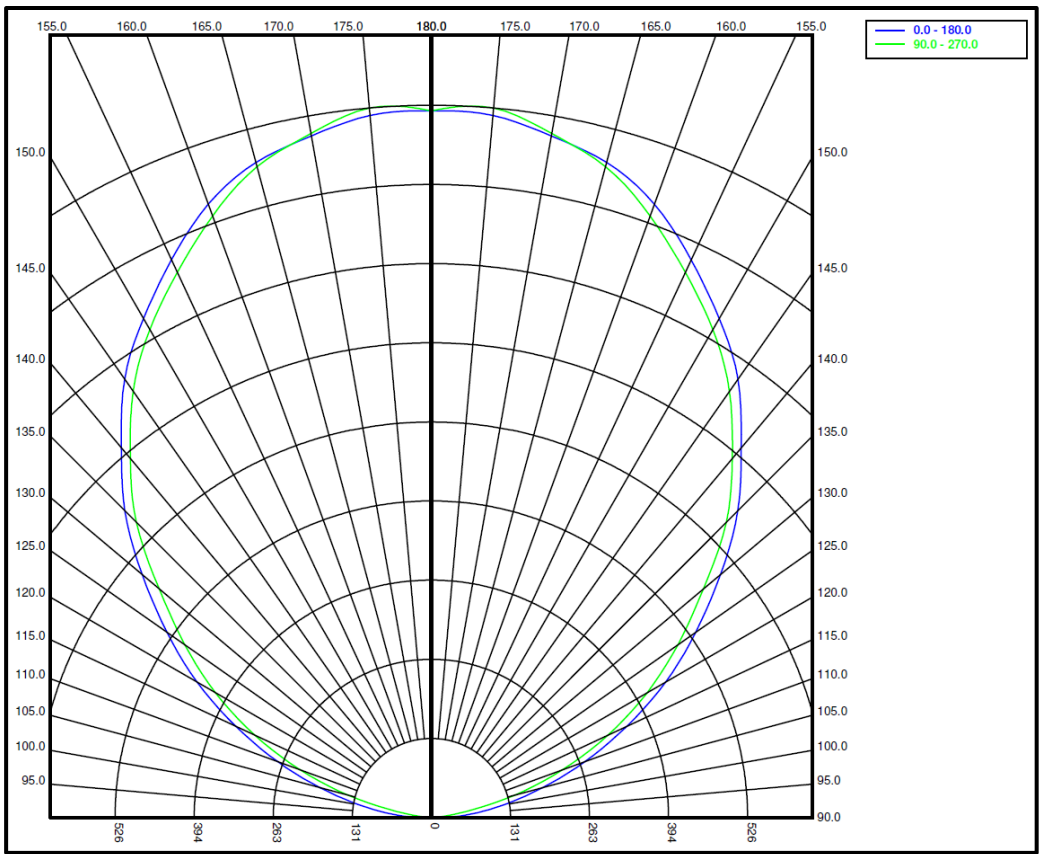
Polar Plot



Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0-10	0	0.0%	90-100	42.12	1.4%
10-20	0	0.0%	100-110	180.06	6.0%
20-30	0	0.0%	110-120	338.59	11.3%
30-40	0	0.0%	120-130	465.21	15.5%
40-50	0	0.0%	130-140	542.53	18.0%
50-60	0	0.0%	140-150	544.75	18.1%
60-70	0	0.0%	150-160	465.81	15.5%
70-80	0	0.0%	160-170	315.43	10.5%
80-90	0	0.0%	170-180	111.39	3.7%
0-90	0	0.0%	0-180	3005.89	100.0%

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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
90	15	3	1	0	0	0	1	3	15	3	1	0	0	0	1	3
95	66	49	20	13	12	13	20	49	66	49	20	13	12	13	20	49
100	122	114	93	67	58	67	93	114	122	114	93	67	58	67	93	114
105	191	185	173	151	142	151	173	185	191	185	173	151	142	151	173	185
110	272	268	254	240	233	240	254	268	272	268	254	240	233	240	254	268
115	359	356	343	326	324	326	343	356	359	356	343	326	324	326	343	356
120	450	444	429	419	414	419	429	444	450	444	429	419	414	419	429	444
125	537	531	520	507	500	507	520	531	537	531	520	507	500	507	520	531
130	627	624	610	598	590	598	610	624	627	624	610	598	590	598	610	624
135	721	714	704	693	694	693	704	714	721	714	704	693	694	693	704	714
140	802	796	793	783	778	783	793	796	802	796	793	783	778	783	793	796
145	889	878	870	864	864	864	870	878	889	878	870	864	864	864	870	878
150	957	950	941	938	936	938	941	950	957	950	941	938	936	938	941	950
155	1022	1015	1008	1008	999	1008	1008	1015	1022	1015	1008	1008	999	1008	1008	1015
160	1084	1077	1072	1068	1063	1068	1072	1077	1084	1077	1072	1068	1063	1068	1072	1077
165	1126	1116	1115	1120	1119	1120	1115	1116	1126	1116	1115	1120	1119	1120	1115	1116
170	1150	1154	1154	1161	1153	1161	1154	1154	1150	1154	1154	1161	1153	1161	1154	1154
175	1170	1171	1170	1178	1183	1178	1170	1171	1170	1171	1170	1178	1183	1178	1170	1171
180	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174

Average Luminance (cd/m^2)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	2856	2856	2856	2856	2435	2435	2435	2435	1683	1683	1683	962	962	962	301	301	301	0
1	2615	2495	2375	2284	2224	2134	2044	1954	1443	1413	1353	842	812	782	271	271	240	0
2	2375	2164	1984	1864	2014	1864	1713	1593	1262	1202	1112	721	691	661	240	210	210	0
3	2164	1894	1683	1533	1834	1623	1473	1323	1112	1022	932	631	601	541	210	180	180	0
4	1954	1683	1443	1293	1683	1443	1262	1112	992	872	782	571	511	481	180	180	150	0
5	1804	1473	1262	1082	1533	1262	1082	962	872	751	661	511	451	391	150	150	120	0
6	1653	1323	1082	932	1413	1142	962	812	782	661	571	451	391	331	150	120	120	0
7	1503	1172	962	812	1293	1022	842	691	691	571	511	421	331	301	120	120	90	0
8	1413	1052	842	691	1202	902	721	601	631	511	421	361	301	271	120	90	90	0
9	1293	962	751	601	1112	842	661	541	571	451	391	331	271	240	120	90	90	0
10	1202	872	661	541	1022	751	571	481	511	421	331	301	240	210	90	90	60	0