



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
AND-(PS)-4-D10-30-80-OW-W
(White Housing – Semi-Direct – Opal Lens)

Test Number

IES-P00095

Test Date

2017-06-08

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Extruded Aluminum Housing, Semi-direct w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling & Surface Mount
Luminous Length:	47.13 in
Luminous Width:	1.63 in
Luminous Height:	0.95 in

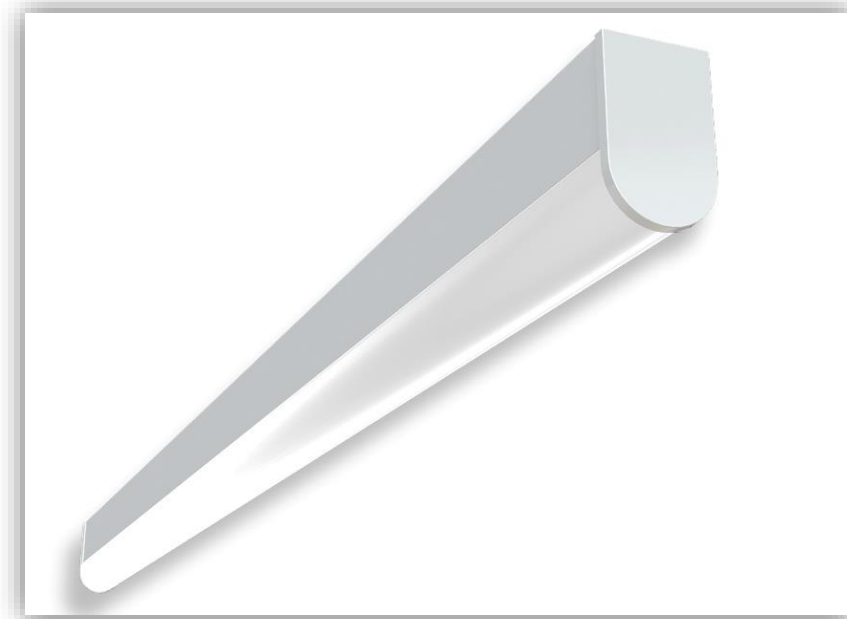


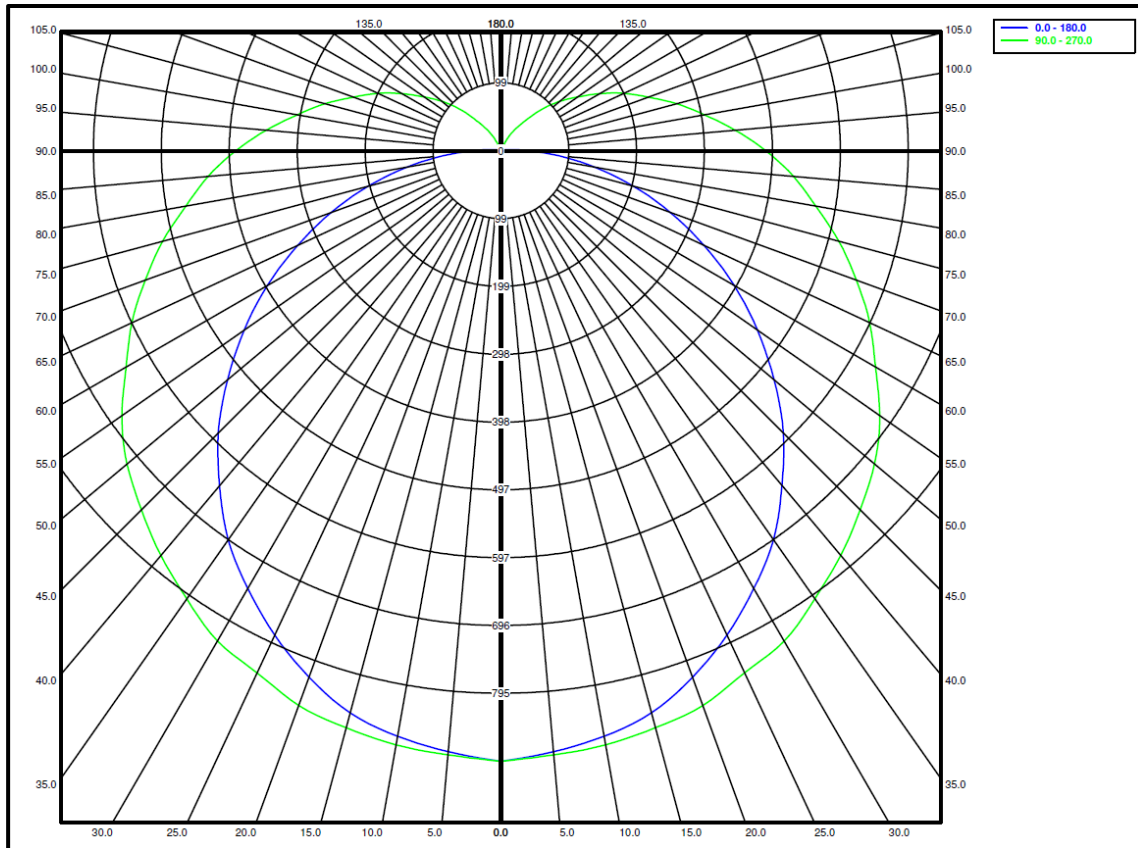
Image may differ slightly from actual unit

Summary of Results

System Power:	35.5W
Total Luminaire Output:	4001 Lumens
Luminaire Efficacy:	113 lm/W
Max Candela:	894.87 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	84.58	2.1%	90-100	231.68	5.8%
10-20	244.28	6.1%	100-110	162.63	4.1%
20-30	377.01	9.4%	110-120	107.01	2.7%
30-40	469.82	11.7%	120-130	63.62	1.6%
40-50	515.92	12.9%	130-140	31.57	0.8%
50-60	514.53	12.9%	140-150	11.35	0.3%
60-70	471.87	11.8%	150-160	1.81	0.0%
70-80	399.69	10.0%	160-170	0.01	0.0%
80-90	313.59	7.8%	170-180	0	0.0%
0-90	3391.29	84.8%	0-180	4000.97	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	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895
5	884	886	893	889	889	889	893	886	884	886	893	889	889	889	893	886
10	872	878	877	885	884	885	877	878	872	878	877	885	884	885	877	878
15	853	855	865	872	876	872	865	855	853	855	865	872	876	872	865	855
20	821	832	847	857	865	857	847	832	821	832	847	857	865	857	847	832
25	784	795	816	839	845	839	816	795	784	795	816	839	845	839	816	795
30	741	757	788	816	830	816	788	757	741	757	788	816	830	816	788	757
35	696	711	750	790	802	790	750	711	696	711	750	790	802	790	750	711
40	641	662	714	755	775	755	714	662	641	662	714	755	775	755	714	662
45	585	612	672	724	744	724	672	612	585	612	672	724	744	724	672	612
50	523	558	627	688	715	688	627	558	523	558	627	688	715	688	627	558
55	459	500	582	649	678	649	582	500	459	500	582	649	678	649	582	500
60	395	442	535	607	634	607	535	442	395	442	535	607	634	607	535	442
65	329	388	487	567	596	567	487	388	329	388	487	567	596	567	487	388
70	264	332	441	525	554	525	441	332	264	332	441	525	554	525	441	332
75	202	277	396	481	513	481	396	277	202	277	396	481	513	481	396	277
80	141	226	351	439	469	439	351	226	141	226	351	439	469	439	351	226
85	85	181	309	398	430	398	309	181	85	181	309	398	430	398	309	181
90	40	144	272	357	388	357	272	144	40	144	272	357	388	357	272	144
95	18	112	235	318	345	318	235	112	18	112	235	318	345	318	235	112
100	9	87	199	276	303	276	199	87	9	87	199	276	303	276	199	87
105	4	67	169	241	266	241	169	67	4	67	169	241	266	241	169	67
110	1	50	141	207	230	207	141	50	1	50	141	207	230	207	141	50
115	0	37	117	176	199	176	117	37	0	37	117	176	199	176	117	37
120	0	25	95	147	167	147	95	25	0	25	95	147	167	147	95	25
125	0	17	74	122	137	122	74	17	0	17	74	122	137	122	74	17
130	0	10	55	97	113	97	55	10	0	10	55	97	113	97	55	10
135	0	5	39	73	87	73	39	5	0	5	39	73	87	73	39	5
140	0	1	26	51	61	51	26	1	0	1	26	51	61	51	26	1
145	0	0	14	35	42	35	14	0	0	0	14	35	42	35	14	0
150	0	0	4	20	27	20	4	0	0	0	4	20	27	20	4	0
155	0	0	0	5	10	5	0	0	0	0	5	10	5	0	0	0
160	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	18055	18055	18055
45	16356	13426	13407
55	15688	12706	12995
65	15019	12143	12639
75	14598	11907	12576
85	15888	12173	12990

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	4601	4601	4601	4601	4441	4441	4441	4441	4121	4121	4121	3801	3801	3801	3521	3521	3521	3401
1	4081	3841	3601	3441	3921	3681	3481	3321	3401	3241	3081	3121	3001	2881	2881	2801	2681	2561
2	3681	3281	2961	2681	3481	3161	2841	2601	2921	2681	2441	2681	2481	2321	2481	2321	2161	2040
3	3321	2841	2481	2201	3161	2721	2401	2121	2521	2241	2000	2321	2081	1880	2161	1960	1800	1680
4	3001	2481	2121	1800	2881	2401	2040	1760	2201	1920	1680	2040	1800	1600	1880	1680	1520	1400
5	2761	2201	1840	1560	2641	2121	1760	1520	1960	1680	1440	1840	1560	1360	1680	1480	1280	1200
6	2561	1960	1600	1320	2441	1920	1560	1320	1760	1480	1240	1640	1400	1200	1520	1320	1120	1040
7	2361	1800	1400	1160	2241	1720	1400	1120	1600	1320	1080	1480	1240	1040	1400	1160	1000	880
8	2201	1640	1280	1040	2081	1560	1240	1000	1480	1160	960	1360	1120	920	1280	1040	880	800
9	2040	1480	1160	920	1960	1440	1120	880	1360	1080	880	1240	1000	840	1160	960	800	720
10	1920	1360	1040	840	1840	1320	1000	800	1240	960	760	1160	920	760	1080	880	720	640

