



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-D7-30-80-OW-W
(White Housing – Semi-Direct – Opal Lens)

Test Number

IES-P00094

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

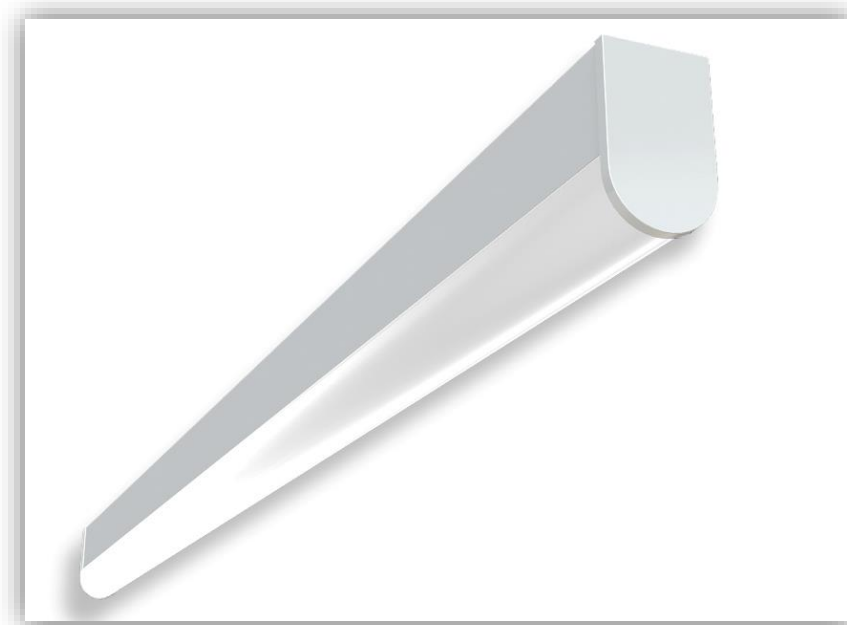


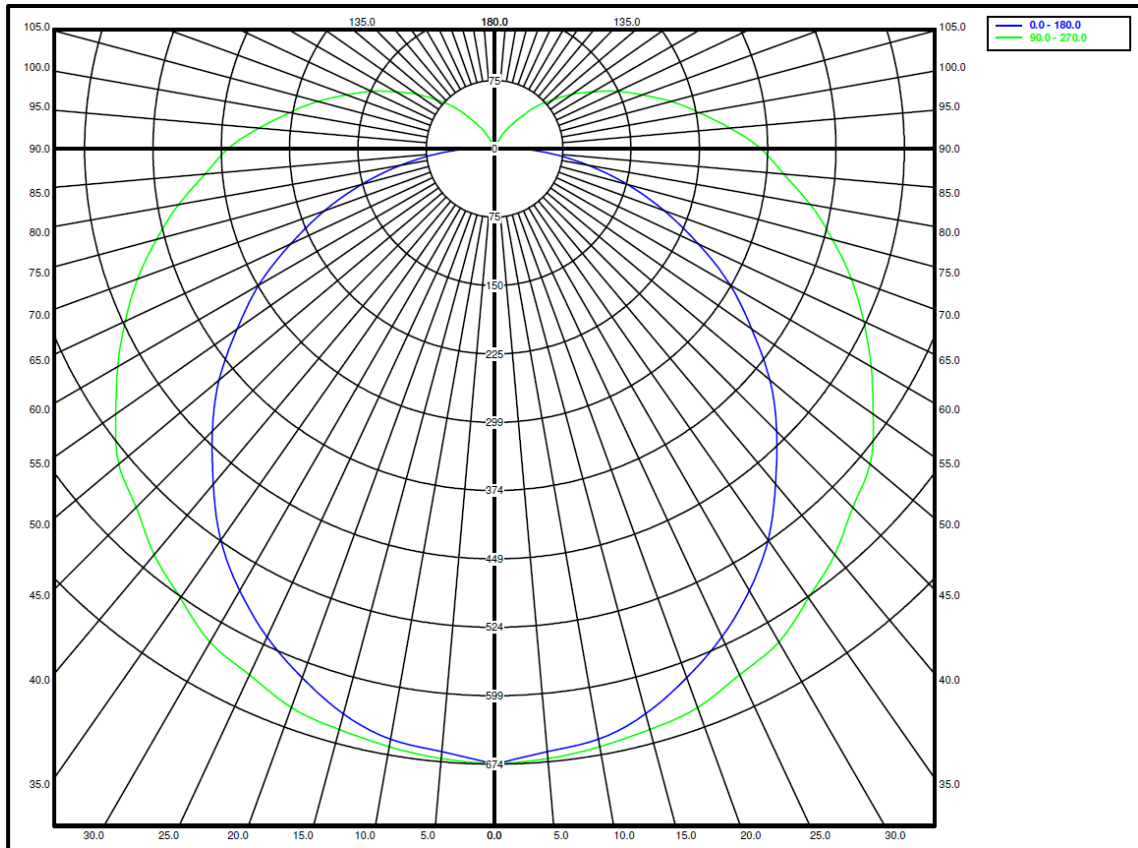
Image may differ slightly from actual unit

Summary of Results

System Power:	26.5W
Total Luminaire Output:	3000 Lumens
Luminaire Efficacy:	113 lm/W
Max Candela:	673.67 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	63.45	2.1%	90-100	173.58	5.8%
10-20	183.47	6.1%	100-110	121.88	4.1%
20-30	282.88	9.4%	110-120	80.31	2.7%
30-40	352.39	11.7%	120-130	47.88	1.6%
40-50	386.79	12.9%	130-140	23.68	0.8%
50-60	386.17	12.9%	140-150	8.56	0.3%
60-70	354.08	11.8%	150-160	1.36	0.0%
70-80	299.44	10.0%	160-170	0.01	0.0%
80-90	234.44	7.8%	170-180	0	0.0%
0-90	2543.11	84.8%	0-180	3000.37	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	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674
5	663	668	660	664	670	664	660	668	663	668	660	664	670	664	660	668
10	656	658	662	666	665	666	662	658	656	658	662	666	665	666	662	658
15	641	640	652	654	658	654	652	640	641	640	652	654	658	654	652	640
20	616	625	634	643	651	643	634	625	616	625	634	643	651	643	634	625
25	590	600	612	627	636	627	612	600	590	600	612	627	636	627	612	600
30	559	568	588	610	624	610	588	568	559	568	588	610	624	610	588	568
35	523	534	563	591	600	591	563	534	523	534	563	591	600	591	563	534
40	479	498	535	569	580	569	535	498	479	498	535	569	580	569	535	498
45	437	458	501	543	555	543	501	458	437	458	501	543	555	543	501	458
50	394	421	471	516	537	516	471	421	394	421	471	516	537	516	471	421
55	344	375	436	486	507	486	436	375	344	375	436	486	507	486	436	375
60	298	332	402	455	477	455	402	332	298	332	402	455	477	455	402	332
65	247	290	366	426	446	426	366	290	247	290	366	426	446	426	366	290
70	198	248	331	394	416	394	331	248	198	248	331	394	416	394	331	248
75	151	208	297	360	384	360	297	208	151	208	297	360	384	360	297	208
80	105	170	262	328	352	328	262	170	105	170	262	328	352	328	262	170
85	63	136	231	297	318	297	231	136	63	136	231	297	318	297	231	136
90	29	108	204	268	292	268	204	108	29	108	204	268	292	268	204	108
95	14	84	175	238	259	238	175	84	14	84	175	238	259	238	175	84
100	7	65	149	207	228	207	149	65	7	65	149	207	228	207	149	65
105	3	50	126	180	200	180	126	50	3	50	126	180	200	180	126	50
110	1	38	106	156	172	156	106	38	1	38	106	156	172	156	106	38
115	0	28	87	132	149	132	87	28	0	28	87	132	149	132	87	28
120	0	19	71	111	125	111	71	19	0	19	71	111	125	111	71	19
125	0	12	56	92	104	92	56	12	0	12	56	92	104	92	56	12
130	0	7	41	73	84	73	41	7	0	7	41	73	84	73	41	7
135	0	3	29	55	66	55	29	3	0	3	29	55	66	55	29	3
140	0	1	20	39	46	39	20	1	0	1	20	39	46	39	20	1
145	0	0	10	26	31	26	10	0	0	0	10	26	31	26	10	0
150	0	0	3	15	20	15	3	0	0	0	3	15	20	15	3	0
155	0	0	0	4	8	4	0	0	0	0	0	4	8	4	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	13592	13592	13592
45	12219	10017	10000
55	11768	9527	9717
65	11280	9119	9462
75	10935	8920	9408
85	11807	9110	9613

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	3450	3450	3450	3450	3330	3330	3330	3330	3090	3090	3090	2850	2850	2850	2640	2640	2640	2550
1	3060	2880	2730	2580	2940	2760	2610	2490	2550	2430	2310	2340	2250	2160	2160	2100	2010	1920
2	2760	2460	2220	2010	2610	2370	2130	1950	2190	2010	1830	2010	1860	1740	1860	1740	1620	1530
3	2490	2130	1860	1650	2370	2040	1800	1590	1890	1680	1500	1740	1560	1410	1620	1470	1350	1260
4	2250	1860	1590	1350	2160	1800	1530	1320	1650	1440	1260	1530	1350	1200	1410	1260	1140	1050
5	2070	1650	1380	1170	1980	1590	1320	1140	1470	1260	1080	1380	1170	1020	1260	1110	960	900
6	1920	1500	1200	990	1830	1440	1170	990	1320	1110	930	1230	1050	900	1140	990	840	780
7	1770	1350	1080	870	1680	1290	1050	840	1200	990	810	1110	930	780	1050	870	750	660
8	1650	1230	960	780	1560	1170	930	750	1110	870	720	1020	840	690	960	780	660	600
9	1530	1110	870	690	1470	1080	840	660	1020	810	660	930	750	630	870	720	600	540
10	1440	1020	780	630	1380	990	750	600	930	720	570	870	690	570	810	660	540	480

