

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

SOP-C-4-I5-30-80-FW-W

(White Housing – Indirect – Frosted White Lens)

Test Number

IES-P00107

Test Date

2017-07-24

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Extruded Aluminum Body, Indirect w/ Frosted White Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Cove Mounted
Luminous Length:	47.75 in
Luminous Width:	1.52 in
Luminous Height:	0.00 in

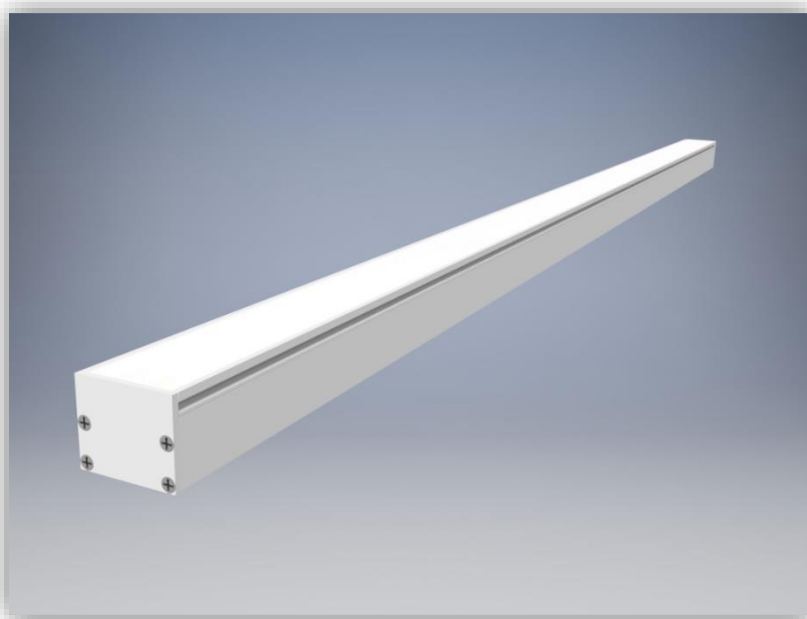


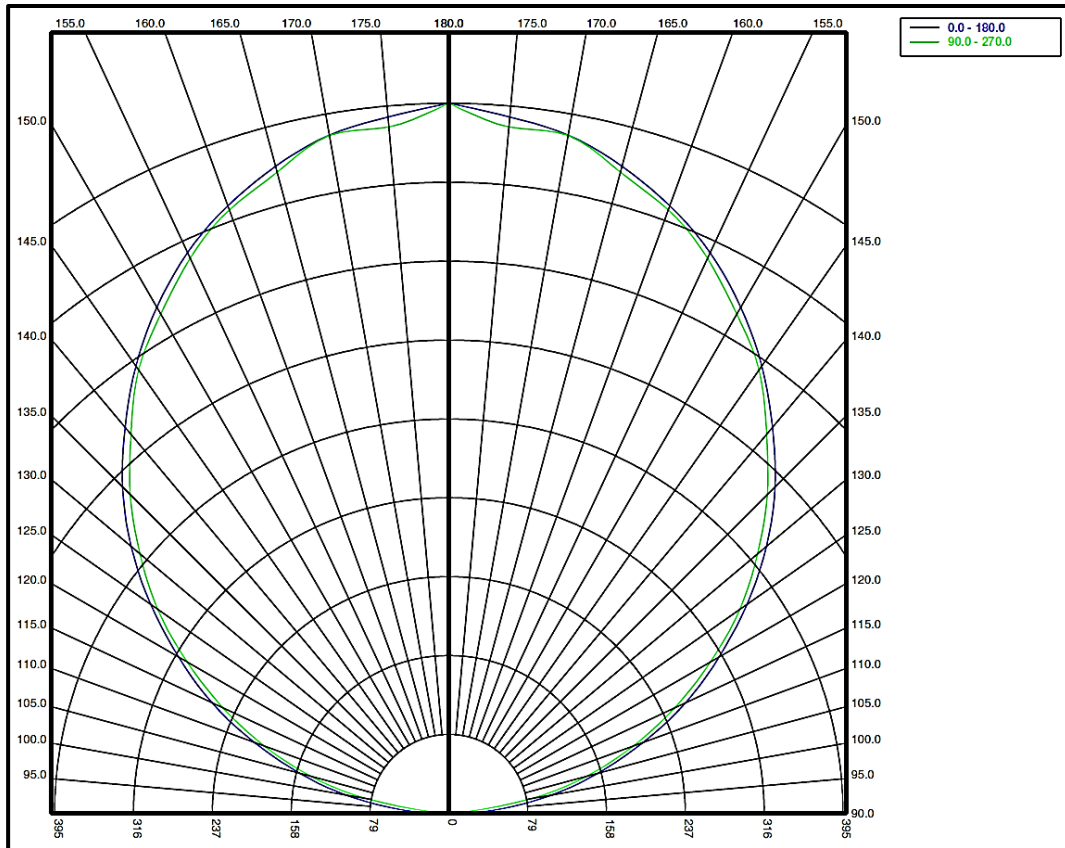
Image may differ slightly from actual unit

Summary of Results

System Power:	18.4W
Total Luminaire Output:	2007 Lumens
Luminaire Efficacy:	109 lm/W
Max Candela:	710.56 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	0	0.0%	90-100	43.05	2.1%
10-20	0	0.0%	100-110	156.64	7.8%
20-30	0	0.0%	110-120	252.83	12.6%
30-40	0	0.0%	120-130	322.24	16.1%
40-50	0	0.0%	130-140	352.85	17.6%
50-60	0	0.0%	140-150	340.55	17.0%
60-70	0	0.0%	150-160	284.12	14.2%
70-80	0	0.0%	160-170	188.35	9.4%
80-90	0	0.0%	170-180	66.35	3.3%
0-90	0	0.0%	0-180	2006.98	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
90	13	3	1	1	1	1	1	3	13	3	1	1	1	1	1	3
95	54	47	28	14	10	14	28	47	54	47	28	14	10	14	28	47
100	105	102	96	88	83	88	96	102	105	102	96	88	83	88	96	102
105	154	154	148	144	143	144	148	154	154	154	148	144	143	144	148	154
110	207	206	200	198	197	198	200	206	207	206	200	198	197	198	200	206
115	262	260	255	250	250	250	255	260	262	260	255	250	250	250	255	260
120	312	314	308	304	303	304	308	314	312	314	308	304	303	304	308	314
125	365	364	361	356	356	356	361	364	365	364	361	356	356	356	361	364
130	415	414	411	407	404	407	411	414	415	414	411	407	404	407	411	414
135	462	459	458	454	451	454	458	459	462	459	458	454	451	454	458	459
140	504	507	502	499	495	499	502	507	504	507	502	499	495	499	502	507
145	547	546	544	543	542	543	544	546	547	546	544	543	542	543	544	546
150	585	584	585	581	577	581	585	584	585	584	585	581	577	581	585	584
155	619	618	616	616	613	616	616	618	619	618	616	616	613	616	616	618
160	647	644	646	646	643	646	646	644	647	644	646	646	643	646	646	644
165	670	666	669	665	664	665	669	666	670	666	669	665	664	665	669	666
170	689	684	688	681	689	681	688	684	689	684	688	681	689	681	688	684
175	700	700	702	697	690	697	702	700	700	700	702	697	690	697	702	700
180	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711

Average Luminance (cd/m²)

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

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	1907	1907	1907	1907	1626	1626	1626	1626	1124	1124	1124	642	642	642	201	201	201	0
1	1746	1666	1586	1525	1485	1425	1365	1305	963	943	903	562	542	522	181	181	161	0
2	1586	1445	1325	1244	1345	1244	1144	1064	843	803	743	482	462	442	161	140	140	0
3	1445	1264	1124	1024	1224	1084	983	883	743	682	622	421	401	361	140	120	120	0
4	1305	1124	963	863	1124	963	843	743	662	582	522	381	341	321	120	120	100	0
5	1204	983	843	723	1024	843	723	642	582	502	442	341	301	261	100	100	80	0
6	1104	883	723	622	943	763	642	542	522	442	381	301	261	221	100	80	80	0
7	1003	783	642	542	863	682	562	462	462	381	341	281	221	201	80	80	60	0
8	943	702	562	462	803	602	482	401	421	341	281	241	201	181	80	60	60	0
9	863	642	502	401	743	562	442	361	381	301	261	221	181	161	80	60	60	0
10	803	582	442	361	682	502	381	321	341	281	221	201	161	140	60	60	40	0

Cone of Light		
Mtg Height	Light Level	Beam Diameter
6 ft	0 fc	0 ft
8 ft	0 fc	0 ft
10 ft	0 fc	0 ft
12 ft	0 fc	0 ft
15 ft	0 fc	0 ft

