

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

SOP-C-4-I3-30-80-FW-W

(White Housing – Indirect – Frosted White Lens)

Test Number

IES-P00106

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

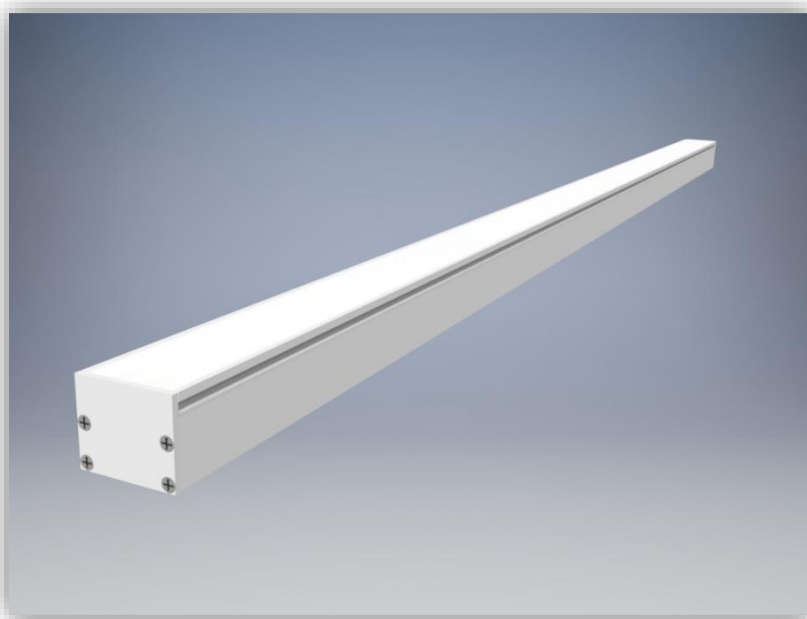


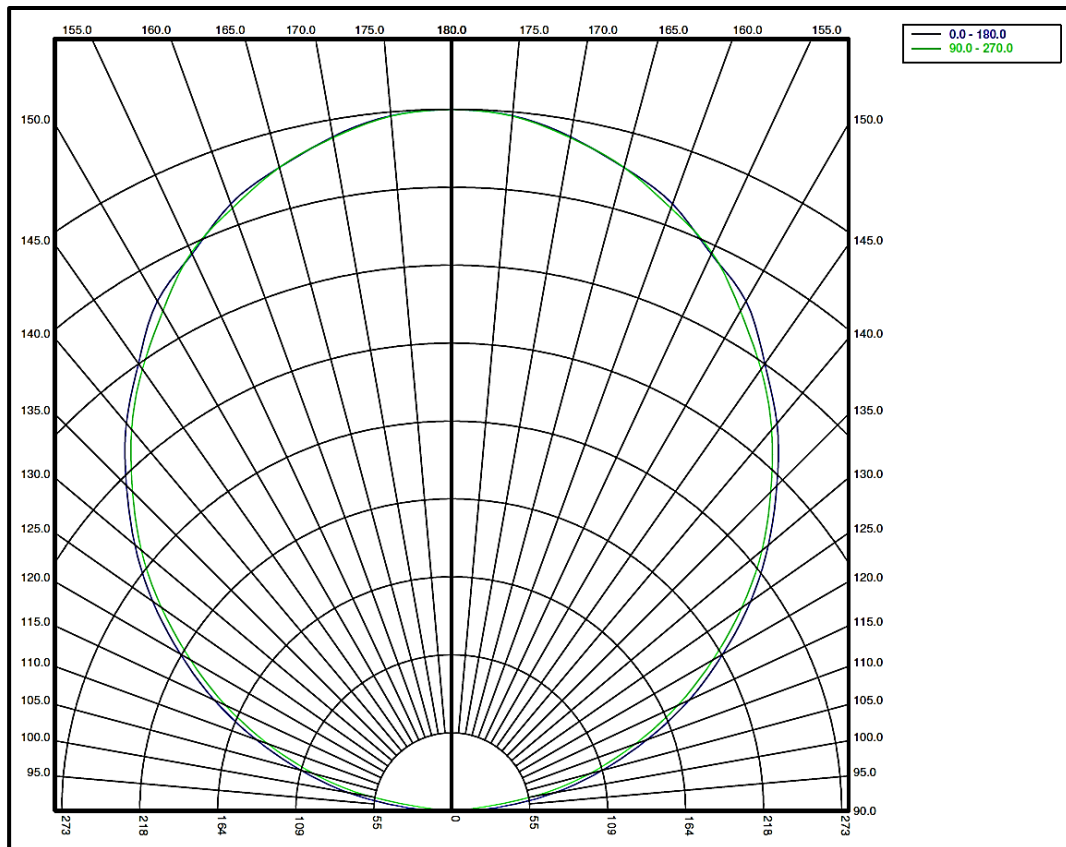
Image may differ slightly from actual unit

Summary of Results

System Power:	13.6W
Total Luminaire Output:	1403 Lumens
Luminaire Efficacy:	103 lm/W
Max Candela:	490.55 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	30.07	2.1%
10-20	0	0.0%	100-110	109.46	7.8%
20-30	0	0.0%	110-120	176.61	12.6%
30-40	0	0.0%	120-130	224.89	16.0%
40-50	0	0.0%	130-140	246.88	17.6%
50-60	0	0.0%	140-150	238.3	17.0%
60-70	0	0.0%	150-160	198.6	14.2%
70-80	0	0.0%	160-170	131.7	9.4%
80-90	0	0.0%	170-180	46.24	3.3%
0-90	0	0.0%	0-180	1402.75	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	9	2	1	1	1	1	1	2	9	2	1	1	1	1	1	2
95	38	32	19	10	7	10	19	32	38	32	19	10	7	10	19	32
100	74	71	67	61	58	61	67	71	74	71	67	61	58	61	67	71
105	109	107	103	101	100	101	103	107	109	107	103	101	100	101	103	107
110	146	145	141	137	137	137	141	145	146	145	141	137	137	137	141	145
115	183	181	178	175	175	175	178	181	183	181	178	175	175	175	178	181
120	219	218	216	212	211	212	216	218	219	218	216	212	211	212	216	218
125	255	255	251	249	248	249	251	255	255	255	251	249	248	249	251	255
130	289	289	287	284	283	284	287	289	289	289	287	284	283	284	287	289
135	322	323	320	319	316	319	320	323	322	323	320	319	316	319	320	323
140	354	353	352	349	348	349	352	353	354	353	352	349	348	349	352	353
145	382	382	382	380	377	380	382	382	382	382	382	380	377	380	382	382
150	412	409	407	406	404	406	407	409	412	409	407	406	404	406	407	409
155	430	432	432	429	431	429	432	432	430	432	432	429	431	429	432	432
160	452	452	451	450	448	450	451	452	452	452	451	450	448	450	451	452
165	466	467	467	467	466	467	467	467	466	467	467	467	466	467	467	467
170	479	478	479	478	478	478	479	478	479	478	479	478	478	478	479	478
175	488	485	488	489	488	489	488	485	488	485	488	489	488	489	488	485
180	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491

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	1333	1333	1333	1333	1136	1136	1136	1136	786	786	786	449	449	449	140	140	140	0
1	1220	1164	1108	1066	1038	996	954	912	673	659	631	393	379	365	126	126	112	0
2	1108	1010	926	870	940	870	800	743	589	561	519	337	323	309	112	98	98	0
3	1010	884	786	715	856	757	687	617	519	477	435	295	281	252	98	84	84	0
4	912	786	673	603	786	673	589	519	463	407	365	267	238	224	84	84	70	0
5	842	687	589	505	715	589	505	449	407	351	309	238	210	182	70	70	56	0
6	772	617	505	435	659	533	449	379	365	309	267	210	182	154	70	56	56	0
7	701	547	449	379	603	477	393	323	323	267	238	196	154	140	56	56	42	0
8	659	491	393	323	561	421	337	281	295	238	196	168	140	126	56	42	42	0
9	603	449	351	281	519	379	309	252	267	210	182	154	126	112	56	42	42	0
10	561	407	309	252	477	351	267	224	238	196	154	140	112	98	42	42	28	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

