

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
CV1-C-4-I10-30-80-MC-W
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00031

Test Date

2017-06-09

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Picasso Lighting Industries, LLC.

Luminaire Description:	Extruded Aluminum Cover (LED Enclosure), Indirect w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Cove Mounted
Luminous Length:	47.77 in
Luminous Width:	0.77 in
Luminous Height:	0.00 in

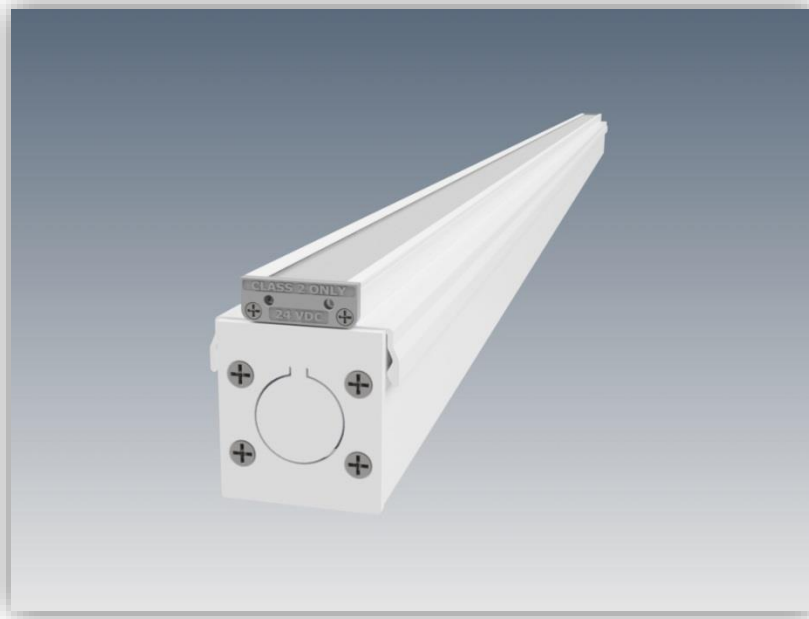


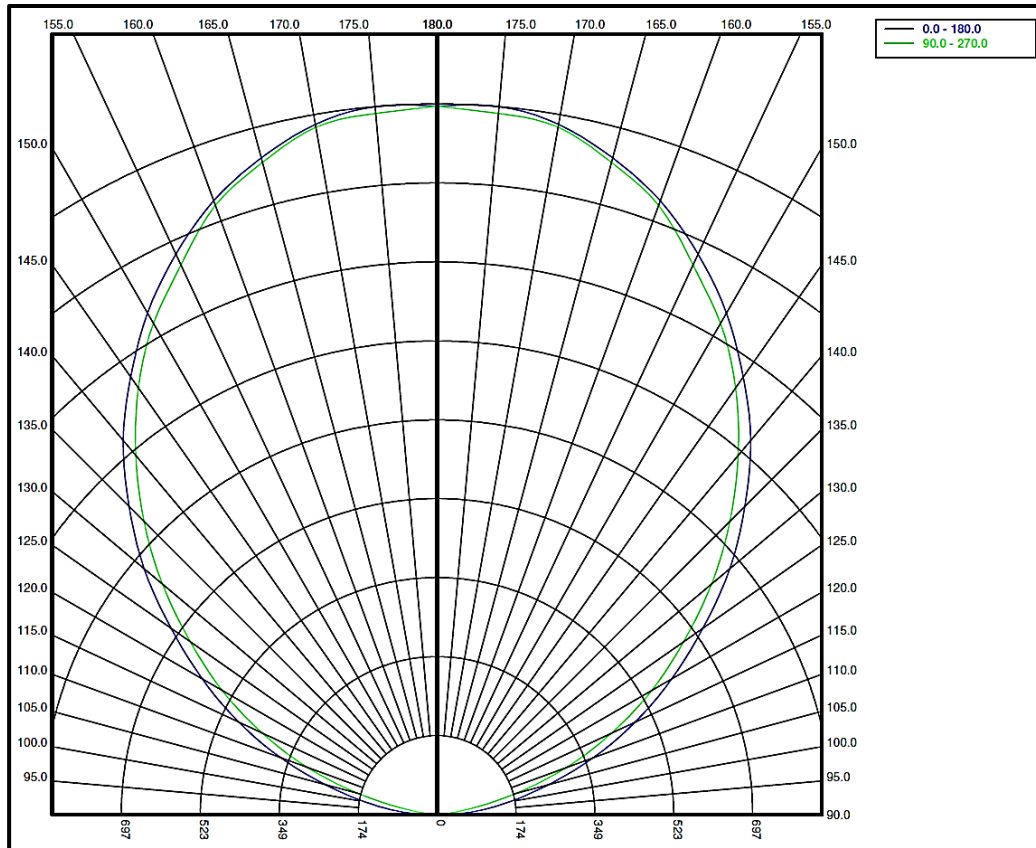
Image may differ slightly from actual unit

Summary of Results

System Power:	34.3W
Total Luminaire Output:	4012 Lumens
Luminaire Efficacy:	117 lm/W
Max Candela:	1569.29 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	56.21	1.4%
10-20	0	0.0%	100-110	238.55	5.9%
20-30	0	0.0%	110-120	451.95	11.3%
30-40	0	0.0%	120-130	621.58	15.5%
40-50	0	0.0%	130-140	723.56	18.0%
50-60	0	0.0%	140-150	727.56	18.1%
60-70	0	0.0%	150-160	622.89	15.5%
70-80	0	0.0%	160-170	421.08	10.5%
80-90	0	0.0%	170-180	148.32	3.7%
0-90	0	0.0%	0-180	4011.7	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	18	4	3	2	2	2	3	4	18	4	3	2	2	2	3	4
95	88	64	28	19	18	19	28	64	88	64	28	19	18	19	28	64
100	162	155	121	85	74	85	121	155	162	155	121	85	74	85	121	155
105	255	251	228	196	181	196	228	251	255	251	228	196	181	196	228	251
110	369	359	341	316	305	316	341	359	369	359	341	316	305	316	341	359
115	484	474	458	437	427	437	458	474	484	474	458	437	427	437	458	474
120	599	593	577	558	548	558	577	593	599	593	577	558	548	558	577	593
125	717	711	693	677	666	677	693	711	717	711	693	677	666	677	693	711
130	845	833	817	799	792	799	817	833	845	833	817	799	792	799	817	833
135	962	953	938	923	916	923	938	953	962	953	938	923	916	923	938	953
140	1079	1069	1051	1039	1035	1039	1051	1069	1079	1069	1051	1039	1035	1039	1051	1069
145	1180	1177	1162	1151	1150	1151	1162	1177	1180	1177	1162	1151	1150	1151	1162	1177
150	1279	1276	1263	1254	1253	1254	1263	1276	1279	1276	1263	1254	1253	1254	1263	1276
155	1365	1362	1349	1342	1339	1342	1349	1362	1365	1362	1349	1342	1339	1342	1349	1362
160	1442	1438	1430	1422	1432	1422	1430	1438	1442	1438	1430	1422	1432	1422	1430	1438
165	1501	1493	1497	1492	1491	1492	1497	1493	1501	1493	1497	1492	1491	1492	1497	1493
170	1548	1537	1535	1538	1541	1538	1535	1537	1548	1537	1535	1538	1541	1538	1535	1537
175	1569	1565	1561	1563	1554	1563	1561	1565	1569	1565	1561	1563	1554	1563	1561	1565
180	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564

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	3811	3811	3811	3811	3249	3249	3249	3249	2247	2247	2247	1284	1284	1284	401	401	401	0
1	3490	3330	3169	3049	2969	2848	2728	2608	1926	1885	1805	1123	1083	1043	361	361	321	0
2	3169	2888	2648	2487	2688	2487	2287	2126	1685	1605	1484	963	923	883	321	281	281	0
3	2888	2527	2247	2046	2447	2166	1966	1765	1484	1364	1244	842	802	722	281	241	241	0
4	2608	2247	1926	1725	2247	1926	1685	1484	1324	1163	1043	762	682	642	241	241	201	0
5	2407	1966	1685	1444	2046	1685	1444	1284	1163	1003	883	682	602	522	201	201	160	0
6	2206	1765	1444	1244	1885	1524	1284	1083	1043	883	762	602	522	441	201	160	160	0
7	2006	1565	1284	1083	1725	1364	1123	923	923	762	682	562	441	401	160	160	120	0
8	1885	1404	1123	923	1605	1204	963	802	842	682	562	481	401	361	160	120	120	0
9	1725	1284	1003	802	1484	1083	883	722	762	602	522	441	361	321	160	120	120	0
10	1605	1163	883	722	1364	1003	762	642	682	562	441	401	321	281	120	120	80	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

