

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
CV5-L-4'-I5-30K-80-OPL-5°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00046

Test Date

2017-02-23

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	White enamel steel housing / reflector, Indirect w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Cove Mounted
Luminous Length:	48.00 in
Luminous Width:	3.63 in
Luminous Height:	0.88 in



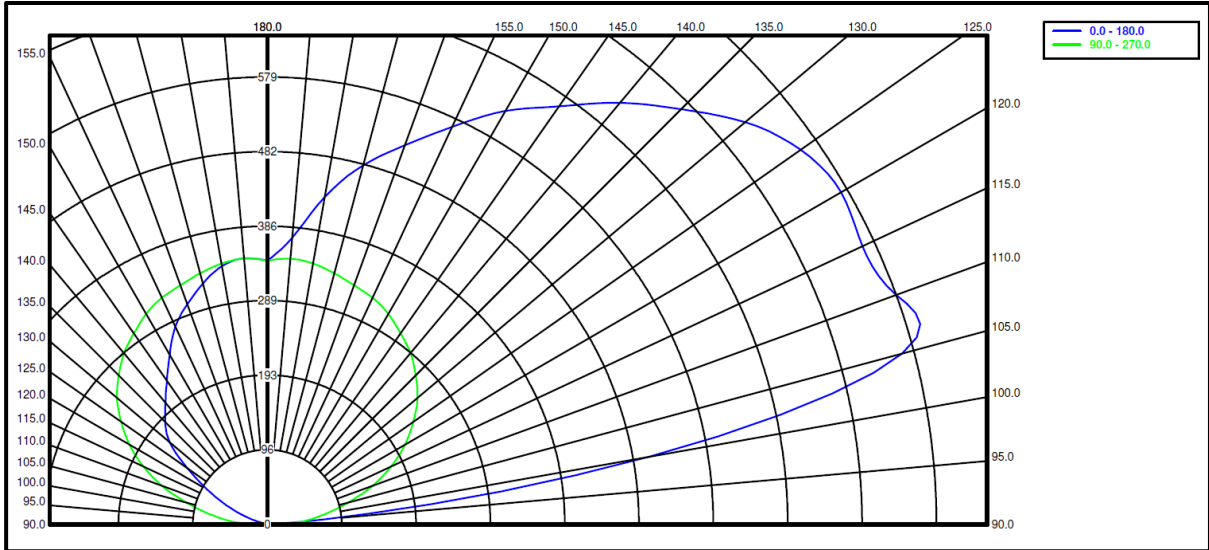
Image may differ slightly from actual unit

Summary of Results

System Power:	20.2W
Total Luminaire Output:	1936 Lumens
Luminaire Efficacy:	96 lm/W
Max Candela:	868.35 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	101.31	5.2%
10-20	0	0.0%	100-110	292.01	15.1%
20-30	0.01	0.0%	110-120	332.35	17.2%
30-40	0.06	0.0%	120-130	331.04	17.1%
40-50	0.28	0.0%	130-140	295.29	15.3%
50-60	0.85	0.0%	140-150	241.94	12.5%
60-70	2.21	0.1%	150-160	177.99	9.2%
70-80	5.54	0.3%	160-170	106.17	5.5%
80-90	14.55	0.8%	170-180	33.92	1.8%
0-90	23.5	1.2%	0-180	1935.52	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
45	0	0	2	1	0	0	0	0	0	0	0	0	0	1	2	0
50	0	1	2	1	0	0	0	0	0	0	0	0	0	1	2	1
55	0	2	3	2	0	0	0	0	0	0	0	0	0	2	3	2
60	0	3	5	3	0	0	0	0	0	0	0	0	0	3	5	3
65	0	4	8	5	0	0	0	0	0	0	0	0	0	5	8	4
70	0	6	11	7	1	0	0	0	0	0	0	0	1	7	11	6
75	0	8	17	11	1	0	1	1	0	1	1	0	1	11	17	8
80	4	13	23	19	2	1	2	1	0	1	2	1	2	19	23	13
85	12	22	33	30	6	2	3	1	0	1	3	2	6	30	33	22
90	18	29	43	49	21	5	3	1	0	1	3	5	21	49	43	29
95	73	96	165	196	48	10	4	1	0	1	4	10	48	196	165	96
100	503	536	510	289	76	30	9	2	0	2	9	30	76	289	510	536
105	853	781	573	322	109	59	30	13	8	13	30	59	109	322	573	781
110	868	781	591	349	145	91	59	38	31	38	59	91	145	349	591	781
115	852	786	618	365	177	121	94	66	58	66	94	121	177	365	618	786
120	860	799	617	376	206	150	129	100	90	100	129	150	206	376	617	799
125	845	783	602	391	231	178	156	138	127	138	156	178	231	391	602	783
130	810	748	584	400	254	208	178	171	165	171	178	208	254	400	584	748
135	760	703	568	407	272	235	201	190	187	190	201	235	272	407	568	703
140	712	666	552	411	289	259	227	209	206	209	227	259	289	411	552	666
145	660	626	533	410	302	280	253	233	227	233	253	280	302	410	533	626
150	618	588	510	405	314	298	278	261	253	261	278	298	314	405	510	588
155	568	550	485	400	323	315	298	286	282	286	298	315	323	400	485	550
160	522	506	459	387	329	325	318	307	303	307	318	325	329	387	459	506
165	481	468	428	376	336	333	332	328	322	328	332	333	336	376	428	468
170	430	419	394	358	343	341	336	336	339	336	336	341	343	358	394	419
175	372	372	364	348	345	341	342	347	346	347	342	341	345	348	364	372
180	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	18	0
55	0	42	2
65	0	115	6
75	1	349	34
85	318	1073	469

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	1858	1858	1858	1858	1587	1587	1587	1587	1084	1084	1084	639	639	639	213	213	213	19
1	1684	1587	1529	1452	1432	1374	1316	1258	929	910	871	542	523	503	174	174	174	0
2	1529	1394	1277	1181	1297	1200	1103	1026	813	755	716	484	445	426	155	155	135	0
3	1394	1219	1084	987	1181	1045	929	852	716	658	600	426	387	348	135	135	116	0
4	1258	1065	929	832	1084	929	813	716	639	561	503	368	329	290	116	116	97	0
5	1161	948	813	697	987	813	697	600	561	484	426	329	290	252	116	97	77	0
6	1065	852	697	600	910	735	600	523	503	426	368	290	252	213	97	77	77	0
7	968	755	619	523	832	658	542	445	445	368	310	271	213	194	97	77	58	0
8	890	677	542	445	774	581	465	387	406	329	271	232	194	174	77	58	58	0
9	832	619	484	387	716	523	426	348	368	290	252	213	174	135	77	58	58	0
10	774	561	426	348	658	484	368	310	329	271	213	194	155	135	58	58	39	0

