

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
CV5-L-4'-I3-30K-80-OPL-0°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00040

Test Date

2017-02-24

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



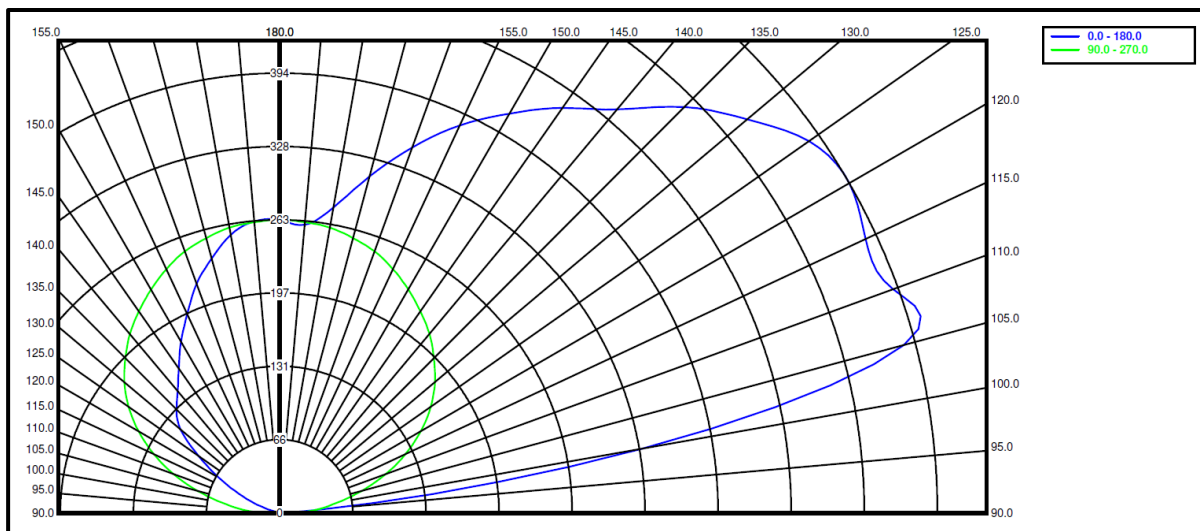
Image may differ slightly from actual unit

Summary of Results

System Power:	13.9W
Total Luminaire Output:	1333 Lumens
Luminaire Efficacy:	96 lm/W
Max Candela:	590.96 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	68.36	5.1%
10-20	0	0.0%	100-110	199.96	15.0%
20-30	0.01	0.0%	110-120	228.82	17.2%
30-40	0.06	0.0%	120-130	227.81	17.1%
40-50	0.23	0.0%	130-140	202.08	15.2%
50-60	0.66	0.0%	140-150	166.19	12.5%
60-70	1.66	0.1%	150-160	123.22	9.2%
70-80	4.06	0.3%	160-170	74.52	5.6%
80-90	10.7	0.8%	170-180	24.91	1.9%
0-90	17.38	1.3%	0-180	1333.25	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	1	1	0	0	0	0	0	0	0	0	0	1	1	0
50	0	1	2	1	0	0	0	0	0	0	0	0	0	1	2	1
55	0	1	3	2	0	0	0	0	0	0	0	0	0	2	3	1
60	0	2	4	3	0	0	0	0	0	0	0	0	0	3	4	2
65	0	3	6	4	0	0	0	0	0	0	0	0	0	4	6	3
70	0	4	8	5	1	0	0	0	0	0	0	0	1	5	8	4
75	0	6	12	8	1	0	1	0	0	0	1	0	1	8	12	6
80	3	9	17	14	2	1	1	1	0	1	1	1	2	14	17	9
85	9	16	24	22	4	2	2	1	0	1	2	2	4	22	24	16
90	13	22	32	35	15	4	3	1	0	1	3	4	15	35	32	22
95	46	61	107	135	33	7	3	1	0	1	3	7	33	135	107	61
100	331	356	348	200	53	21	7	1	0	1	7	21	53	200	348	356
105	581	532	392	226	77	42	22	9	5	9	22	42	77	226	392	532
110	586	532	409	243	102	64	41	26	21	26	41	64	102	243	409	532
115	581	540	425	250	125	84	65	46	40	46	65	84	125	250	425	540
120	591	548	424	258	146	106	90	70	63	70	90	106	146	258	424	548
125	581	535	410	265	166	126	110	96	89	96	110	126	166	265	410	535
130	549	506	393	271	182	148	125	120	116	120	125	148	182	271	393	506
135	514	472	382	275	196	168	140	132	131	132	140	168	196	275	382	472
140	472	445	372	274	209	187	159	146	142	146	159	187	209	274	372	445
145	443	420	358	273	220	204	180	164	158	164	180	204	220	273	358	420
150	413	394	341	269	231	219	198	182	177	182	198	219	231	269	341	394
155	383	366	323	261	241	233	217	203	196	203	217	233	241	261	323	366
160	348	335	302	257	249	243	232	221	218	221	232	243	249	257	302	335
165	312	303	279	256	255	252	245	238	236	238	245	252	255	256	279	303
170	278	274	263	257	260	259	255	252	253	252	255	259	260	257	263	274
175	259	262	261	258	261	260	263	260	262	260	263	260	261	258	261	262
180	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	13	0
55	0	34	2
65	0	87	7
75	1	246	30
85	245	786	362

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	1280	1280	1280	1280	1093	1093	1093	1093	747	747	747	440	440	440	147	147	147	13
1	1160	1093	1053	1000	987	947	907	867	653	627	600	373	360	347	120	120	120	0
2	1053	960	880	813	893	827	760	707	560	520	493	333	307	293	107	107	93	0
3	960	840	747	680	813	720	640	587	493	453	413	293	267	240	93	93	80	0
4	867	733	640	573	747	640	560	493	440	387	347	253	227	200	80	80	67	0
5	800	653	560	480	680	560	480	413	387	333	293	227	200	173	80	67	53	0
6	733	587	480	413	627	507	413	360	347	293	253	200	173	147	67	53	53	0
7	667	520	427	360	573	453	373	307	307	253	213	187	147	133	67	53	40	0
8	613	467	373	307	533	400	320	267	280	227	187	160	133	120	53	40	40	0
9	573	427	333	267	493	360	293	240	253	200	173	147	120	93	53	40	40	0
10	533	387	293	240	453	333	253	213	227	187	147	133	107	93	40	40	27	0

