



PICASSO LIGHTING INDUSTRIES, LLC
46 Sellers Street, Kearny, NJ 07032
201.246.8188

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-15°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00043

Test Date

2017-02-23

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:	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



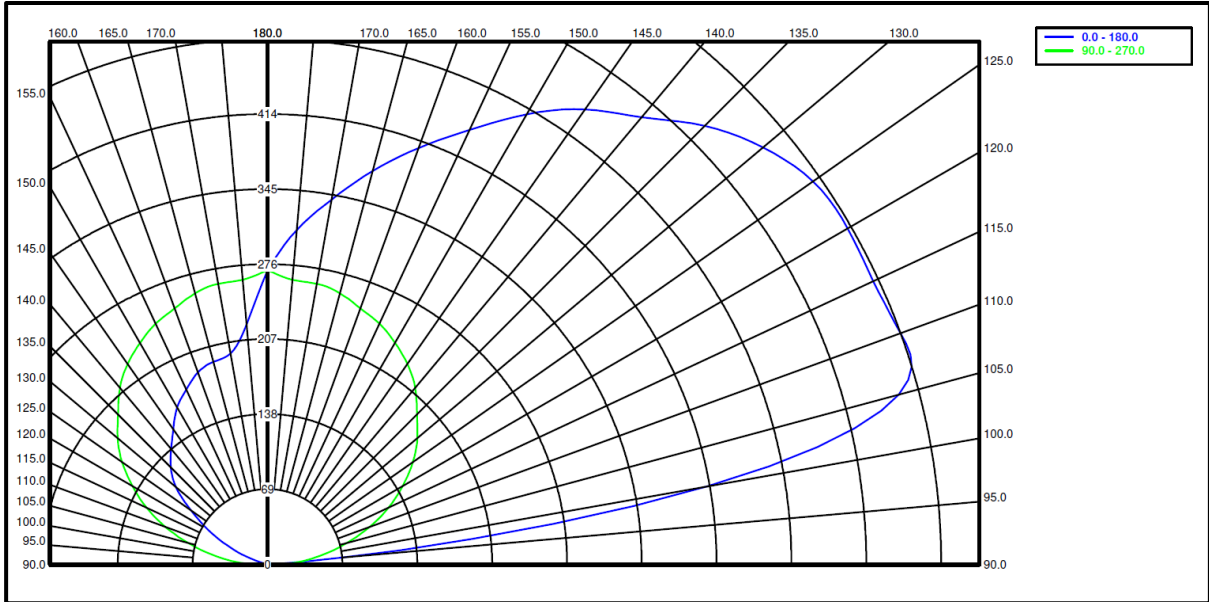
Image may differ slightly from actual unit

Summary of Results

System Power:	13.9W
Total Luminaire Output:	1396 Lumens
Luminaire Efficacy:	100 lm/W
Max Candela:	621.57 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	78.04	5.6%
10-20	0	0.0%	100-110	209.27	15.0%
20-30	0	0.0%	110-120	236.62	16.9%
30-40	0.02	0.0%	120-130	237.58	17.0%
40-50	0.12	0.0%	130-140	214.26	15.3%
50-60	0.46	0.0%	140-150	176.06	12.6%
60-70	1.34	0.1%	150-160	128.04	9.2%
70-80	3.42	0.2%	160-170	76.27	5.5%
80-90	9.34	0.7%	170-180	25.33	1.8%
0-90	14.7	1.1%	0-180	1396.17	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
50	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
55	0	1	2	1	0	0	0	0	0	0	0	0	0	1	2	1
60	0	2	3	1	0	0	0	0	0	0	0	0	0	1	3	2
65	0	3	5	2	0	0	0	0	0	0	0	0	0	2	5	3
70	0	4	7	4	0	0	0	0	0	0	0	0	0	4	7	4
75	0	5	10	7	0	0	1	0	0	0	1	0	0	7	10	5
80	3	8	14	12	1	1	1	1	0	1	1	1	1	12	14	8
85	7	13	20	19	4	2	2	1	0	1	2	2	4	19	20	13
90	12	19	30	33	15	3	2	1	0	1	2	3	15	33	30	19
95	69	88	141	145	33	6	3	1	0	1	3	6	33	145	141	88
100	413	423	369	201	53	20	6	1	0	1	6	20	53	201	369	423
105	603	555	406	224	76	40	22	9	6	9	22	40	76	224	406	555
110	622	565	421	247	100	61	41	27	22	27	41	61	100	247	421	565
115	617	566	438	263	123	80	64	47	41	47	64	80	123	263	438	566
120	618	572	446	275	144	98	86	69	63	69	86	98	144	275	446	572
125	614	572	443	289	164	114	105	93	86	93	105	114	164	289	443	572
130	597	555	437	299	180	131	119	114	110	114	119	131	180	299	437	555
135	571	531	432	306	195	144	134	126	126	126	134	144	195	306	432	531
140	537	506	421	313	212	156	149	141	138	141	149	156	212	313	421	506
145	511	483	409	316	225	166	162	156	152	156	162	166	225	316	409	483
150	478	456	391	317	235	175	172	169	167	169	172	175	235	317	391	456
155	441	422	377	315	244	187	180	179	177	179	180	187	244	315	377	422
160	408	395	359	311	250	197	185	187	188	187	185	197	250	311	359	395
165	375	368	342	303	258	211	193	191	193	191	193	211	258	303	342	368
170	341	336	321	295	262	230	208	198	197	198	208	230	262	295	321	336
175	309	306	295	283	263	248	231	224	221	224	231	248	263	283	295	306
180	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	7	0
55	0	24	1
65	0	72	2
75	1	213	14
85	189	664	315

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	1340	1340	1340	1340	1145	1145	1145	1145	782	782	782	461	461	461	154	154	154	14
1	1215	1145	1103	1047	1033	991	949	908	670	656	628	391	377	363	126	126	126	0
2	1103	1005	921	852	935	866	796	740	586	545	517	349	321	307	112	112	98	0
3	1005	880	782	712	852	754	670	614	517	475	433	307	279	251	98	98	84	0
4	908	768	670	600	782	670	586	517	461	405	363	265	237	209	84	84	70	0
5	838	684	586	503	712	586	503	433	405	349	307	237	209	182	84	70	56	0
6	768	614	503	433	656	531	433	377	363	307	265	209	182	154	70	56	56	0
7	698	545	447	377	600	475	391	321	321	265	223	195	154	140	70	56	42	0
8	642	489	391	321	558	419	335	279	293	237	195	168	140	126	56	42	42	0
9	600	447	349	279	517	377	307	251	265	209	182	154	126	112	56	42	42	0
10	558	405	307	251	475	349	265	223	237	195	154	140	112	98	42	42	28	0

