

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

Test Number

IES-P00048

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



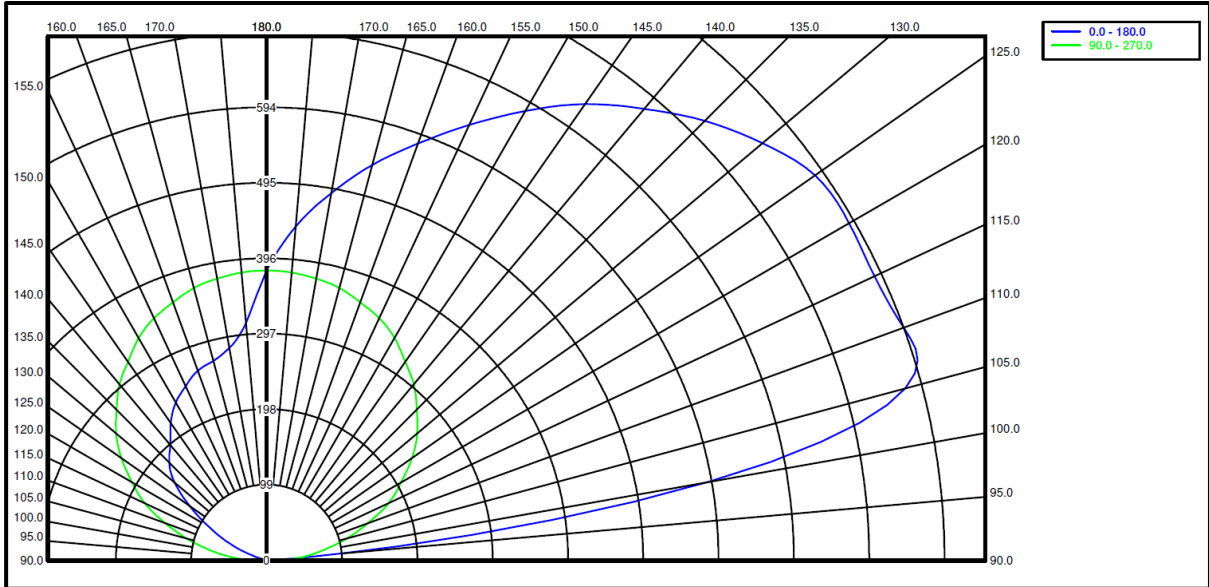
Image may differ slightly from actual unit

Summary of Results

System Power:	20.2W
Total Luminaire Output:	1994 Lumens
Luminaire Efficacy:	99 lm/W
Max Candela:	891.00 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	111.51	5.6%
10-20	0	0.0%	100-110	299.54	15.0%
20-30	0	0.0%	110-120	337.57	16.9%
30-40	0.02	0.0%	120-130	339.27	17.0%
40-50	0.18	0.0%	130-140	306.13	15.3%
50-60	0.64	0.0%	140-150	251.4	12.6%
60-70	1.92	0.1%	150-160	183.02	9.2%
70-80	4.88	0.2%	160-170	108.88	5.5%
80-90	13.38	0.7%	170-180	36.12	1.8%
0-90	21.02	1.1%	0-180	1994.46	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	2	1	0	0	0	0	0	0	0	0	0	1	2	1
55	0	1	3	1	0	0	0	0	0	0	0	0	0	1	3	1
60	0	2	4	2	0	0	0	0	0	0	0	0	0	2	4	2
65	0	4	7	4	0	0	0	0	0	0	0	0	0	4	7	4
70	0	5	11	6	0	0	0	0	0	0	0	0	0	6	11	5
75	0	7	15	10	1	0	1	0	0	0	1	0	1	10	15	7
80	4	11	20	17	2	1	2	1	0	1	2	1	2	17	20	11
85	10	19	29	27	5	2	3	1	0	1	3	2	5	27	29	19
90	16	28	42	47	21	5	3	1	0	1	3	5	21	47	42	28
95	98	126	202	208	48	9	4	1	0	1	4	9	48	208	202	126
100	590	604	527	286	76	29	9	2	0	2	9	29	76	286	527	604
105	869	796	583	322	109	57	30	13	8	13	30	57	109	322	583	796
110	891	807	598	353	142	87	58	38	31	38	58	87	142	353	598	807
115	882	806	625	374	177	115	90	66	58	66	90	115	177	374	625	806
120	884	817	638	392	204	140	123	98	88	98	123	140	204	392	638	817
125	880	816	637	411	233	163	148	133	123	133	148	163	233	411	637	816
130	851	792	623	427	258	186	171	163	158	163	171	186	258	427	623	792
135	815	760	614	439	279	206	191	182	181	182	191	206	279	439	614	760
140	773	723	601	447	301	222	212	201	197	201	212	222	301	447	601	723
145	730	690	580	453	317	238	231	223	219	223	231	238	317	453	580	690
150	680	648	562	457	336	250	246	241	239	241	246	250	336	457	562	648
155	630	605	538	449	350	267	259	255	252	255	259	267	350	449	538	605
160	581	562	515	446	360	283	267	266	264	266	267	283	360	446	515	562
165	537	523	487	432	370	301	274	274	270	274	274	301	370	432	487	523
170	489	481	457	419	375	328	294	285	282	285	294	328	375	419	457	481
175	440	438	421	403	379	356	330	323	312	323	330	356	379	403	421	438
180	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	11	0
55	0	33	1
65	0	104	3
75	2	305	20
85	270	947	445

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	1915	1915	1915	1915	1635	1635	1635	1635	1117	1117	1117	658	658	658	219	219	219	20
1	1735	1635	1576	1496	1476	1416	1356	1296	957	937	898	558	539	519	180	180	180	0
2	1576	1436	1316	1217	1336	1237	1137	1057	838	778	738	499	459	439	160	160	140	0
3	1436	1257	1117	1017	1217	1077	957	878	738	678	618	439	399	359	140	140	120	0
4	1296	1097	957	858	1117	957	838	738	658	578	519	379	339	299	120	120	100	0
5	1197	977	838	718	1017	838	718	618	578	499	439	339	299	259	120	100	80	0
6	1097	878	718	618	937	758	618	539	519	439	379	299	259	219	100	80	80	0
7	997	778	638	539	858	678	558	459	459	379	319	279	219	199	100	80	60	0
8	917	698	558	459	798	598	479	399	419	339	279	239	199	180	80	60	60	0
9	858	638	499	399	738	539	439	359	379	299	259	219	180	160	80	60	60	0
10	798	578	439	359	678	499	379	319	339	279	219	199	160	140	60	60	40	0

