

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-20°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00044

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



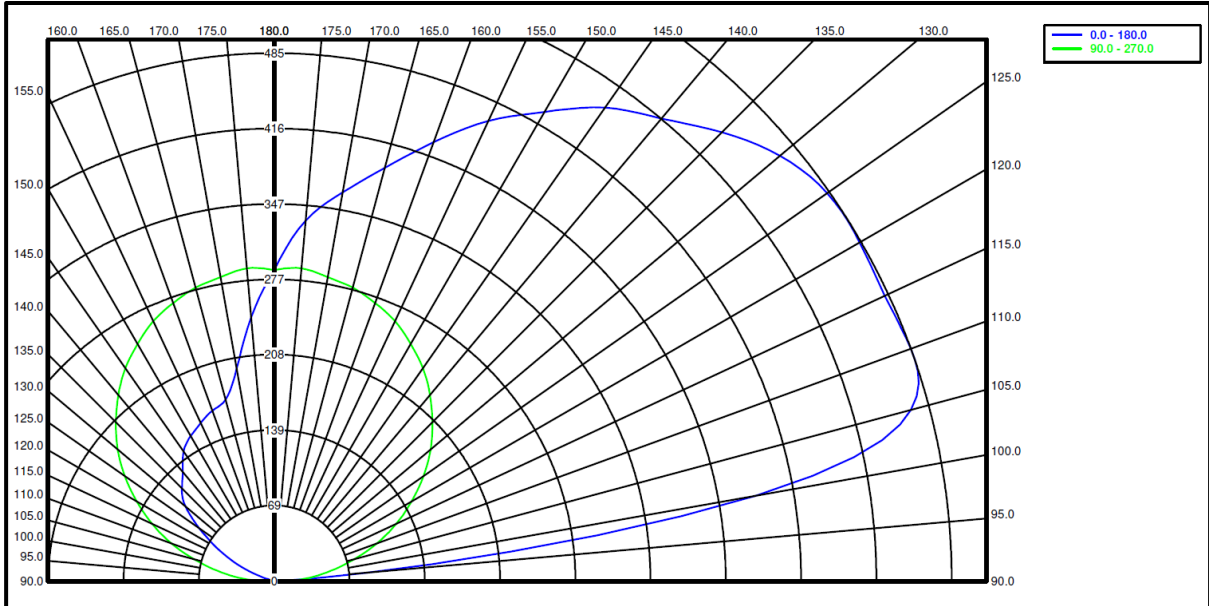
Image may differ slightly from actual unit

Summary of Results

System Power:	13.9W
Total Luminaire Output:	1416 Lumens
Luminaire Efficacy:	102 lm/W
Max Candela:	623.87 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	82.99	5.9%
10-20	0	0.0%	100-110	210.44	14.9%
20-30	0	0.0%	110-120	236.3	16.7%
30-40	0.01	0.0%	120-130	238.77	16.9%
40-50	0.08	0.0%	130-140	217.15	15.3%
50-60	0.38	0.0%	140-150	178.97	12.6%
60-70	1.21	0.1%	150-160	130.93	9.2%
70-80	3.15	0.2%	160-170	79.31	5.6%
80-90	8.95	0.6%	170-180	27.18	1.9%
0-90	13.78	1.0%	0-180	1415.82	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
55	0	1	2	0	0	0	0	0	0	0	0	0	0	0	2	1
60	0	2	3	1	0	0	0	0	0	0	0	0	0	1	3	2
65	0	2	4	2	0	0	0	0	0	0	0	0	0	2	4	2
70	0	3	7	4	0	0	0	0	0	0	0	0	0	4	7	3
75	0	5	10	7	0	0	1	0	0	0	1	0	0	7	10	5
80	2	7	13	11	1	1	1	1	0	1	1	1	1	11	13	7
85	6	12	19	18	3	2	2	1	0	1	2	2	3	18	19	12
90	13	20	30	33	14	3	2	1	0	1	2	3	14	33	30	20
95	86	108	161	148	33	6	3	1	0	1	3	6	33	148	161	108
100	450	448	372	200	53	20	6	1	0	1	6	20	53	200	372	448
105	607	553	407	223	76	38	21	9	6	9	21	38	76	223	407	553
110	624	564	421	247	101	58	40	26	21	26	40	58	101	247	421	564
115	620	568	438	265	124	75	61	46	40	46	61	75	124	265	438	568
120	623	572	449	281	146	91	82	67	61	67	82	91	146	281	449	572
125	622	577	454	295	168	105	99	90	84	90	99	105	168	295	454	577
130	608	567	449	308	188	118	114	109	107	109	114	118	188	308	449	567
135	583	546	443	321	206	131	127	122	120	122	127	131	206	321	443	546
140	555	524	439	328	223	142	138	134	131	134	138	142	223	328	439	524
145	531	502	425	332	239	156	148	146	145	146	148	156	239	332	425	502
150	498	477	411	332	251	171	154	154	154	154	154	171	251	332	411	477
155	467	447	396	334	263	189	162	160	160	160	162	189	263	334	396	447
160	429	416	382	331	272	211	170	165	166	165	170	211	272	331	382	416
165	393	385	360	324	279	229	192	175	172	175	192	229	279	324	360	385
170	363	358	343	315	284	250	222	204	198	204	222	250	284	315	343	358
175	333	326	318	306	288	266	254	246	243	246	254	266	288	306	318	326
180	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	4	0
55	0	20	1
65	0	66	1
75	1	196	10
85	164	616	286

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	1345	1345	1345	1345	1161	1161	1161	1161	793	793	793	467	467	467	156	156	156	14
1	1232	1161	1118	1062	1048	1005	963	920	680	665	637	396	382	368	127	127	127	0
2	1118	1019	934	864	949	878	807	750	595	552	524	354	326	311	113	113	99	0
3	1019	892	793	722	864	765	680	623	524	481	439	311	283	255	99	99	85	0
4	920	779	680	609	793	680	595	524	467	411	368	269	241	212	85	85	71	0
5	849	694	595	510	722	595	510	439	411	354	311	241	212	184	85	71	57	0
6	779	623	510	439	665	538	439	382	368	311	269	212	184	156	71	57	57	0
7	708	552	453	382	609	481	396	326	326	269	227	198	156	142	71	57	42	0
8	651	496	396	326	566	425	340	283	297	241	198	170	142	127	57	42	42	0
9	609	453	354	283	524	382	311	255	269	212	184	156	127	113	57	42	42	0
10	566	411	311	255	481	354	269	227	241	198	156	142	113	99	42	42	28	0

