

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
CV5-L-4'-I7-30K-80-OPL-10°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00052

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



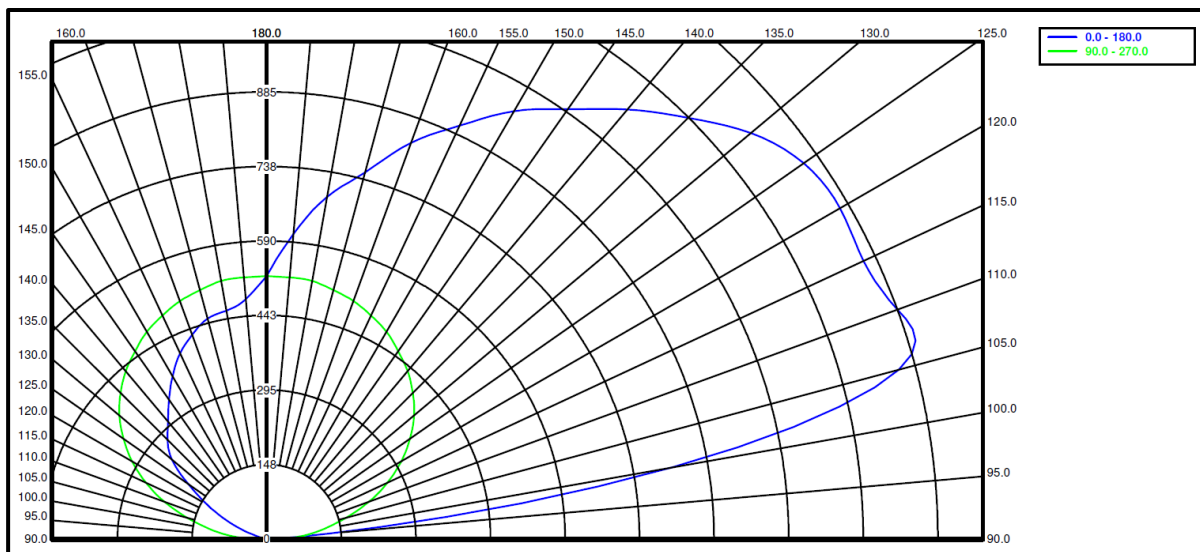
Image may differ slightly from actual unit

Summary of Results

System Power:	30.8W
Total Luminaire Output:	2951 Lumens
Luminaire Efficacy:	96 lm/W
Max Candela:	1328.25 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	159.09	5.4%
10-20	0	0.0%	100-110	445.44	15.1%
20-30	0.01	0.0%	110-120	504.22	17.1%
30-40	0.06	0.0%	120-130	504.18	17.1%
40-50	0.33	0.0%	130-140	451.49	15.3%
50-60	1.11	0.0%	140-150	370.22	12.5%
60-70	3.15	0.1%	150-160	270.98	9.2%
70-80	7.9	0.3%	160-170	160.31	5.4%
80-90	20.87	0.7%	170-180	51.24	1.7%
0-90	33.43	1.1%	0-180	2950.6	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	1	2	1	0	0	0	0	0	0	0	0	0	1	2	1
50	0	1	3	1	0	0	0	0	0	0	0	0	0	1	3	1
55	0	2	5	2	0	0	0	0	0	0	0	0	0	2	5	2
60	0	4	7	4	0	0	0	0	0	0	0	0	0	4	7	4
65	0	6	11	6	0	0	0	0	0	0	0	0	0	6	11	6
70	0	9	17	10	1	0	1	0	0	0	1	0	1	10	17	9
75	0	11	24	17	1	0	1	1	0	1	1	0	1	17	24	11
80	6	17	33	27	3	1	3	1	0	1	3	1	3	27	33	17
85	16	30	47	43	8	4	4	1	0	1	4	4	8	43	47	30
90	25	41	63	72	31	7	5	2	0	2	5	7	31	72	63	41
95	124	161	271	304	72	14	6	2	0	2	6	14	72	304	271	161
100	814	856	783	434	115	44	14	2	0	2	14	44	115	434	783	856
105	1295	1189	868	485	163	87	46	20	12	20	46	87	163	485	868	1189
110	1328	1200	897	528	215	135	88	57	47	57	88	135	215	528	897	1200
115	1304	1199	936	553	263	179	138	100	89	100	138	179	263	553	936	1199
120	1310	1219	945	575	307	220	190	150	136	150	190	220	307	575	945	1219
125	1298	1203	933	599	346	260	230	203	189	203	230	260	346	599	933	1203
130	1251	1161	908	619	381	298	264	251	245	251	264	298	381	619	908	1161
135	1180	1103	885	633	409	333	296	280	277	280	296	333	409	633	885	1103
140	1111	1040	863	641	434	364	334	311	304	311	334	364	434	641	863	1040
145	1039	988	838	649	454	392	368	344	337	344	368	392	454	649	838	988
150	979	928	805	646	474	414	399	383	372	383	399	414	474	646	805	928
155	903	866	774	638	488	431	426	412	405	412	426	431	488	638	774	866
160	835	803	731	631	501	447	442	435	430	435	442	447	501	631	731	803
165	752	743	688	610	510	459	454	453	452	453	454	459	510	610	688	743
170	688	679	648	585	519	474	463	459	459	459	463	474	519	585	648	679
175	606	608	581	562	520	486	476	474	476	474	476	486	520	562	581	608
180	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	22	0
55	0	59	1
65	0	167	5
75	3	498	39
85	446	1533	691

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	2803	2803	2803	2803	2419	2419	2419	2419	1652	1652	1652	974	974	974	325	325	325	30
1	2567	2419	2331	2213	2183	2095	2006	1918	1416	1387	1328	826	797	767	266	266	266	0
2	2331	2124	1947	1800	1977	1829	1682	1564	1239	1151	1092	738	679	649	236	236	207	0
3	2124	1859	1652	1505	1800	1593	1416	1298	1092	1003	915	649	590	531	207	207	177	0
4	1918	1623	1416	1269	1652	1416	1239	1092	974	856	767	561	502	443	177	177	148	0
5	1770	1446	1239	1062	1505	1239	1062	915	856	738	649	502	443	384	177	148	118	0
6	1623	1298	1062	915	1387	1121	915	797	767	649	561	443	384	325	148	118	118	0
7	1475	1151	944	797	1269	1003	826	679	679	561	472	413	325	295	148	118	89	0
8	1357	1033	826	679	1180	885	708	590	620	502	413	354	295	266	118	89	89	0
9	1269	944	738	590	1092	797	649	531	561	443	384	325	266	236	118	89	89	0
10	1180	856	649	531	1003	738	561	472	502	413	325	295	236	207	89	89	59	0

