

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
CV5-L-4'-I10-30K-80-OPL-10°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00057

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



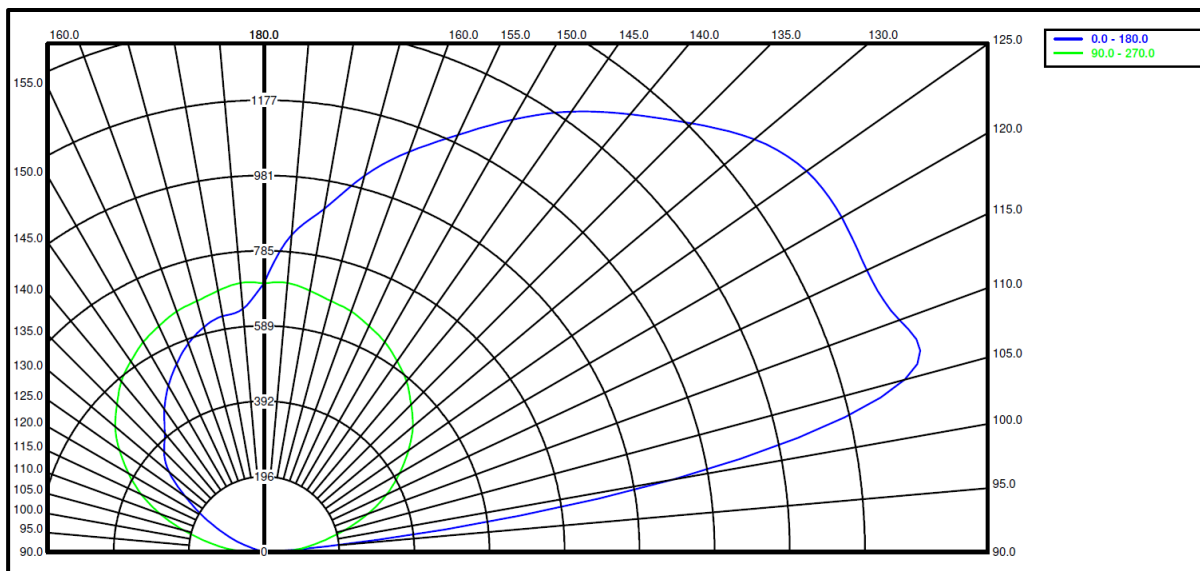
Image may differ slightly from actual unit

Summary of Results

System Power:	41.9W
Total Luminaire Output:	3934 Lumens
Luminaire Efficacy:	94 lm/W
Max Candela:	1765.67 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	212.09	5.4%
10-20	0	0.0%	100-110	594.15	15.1%
20-30	0.01	0.0%	110-120	672.26	17.1%
30-40	0.08	0.0%	120-130	671.89	17.1%
40-50	0.46	0.0%	130-140	602.57	15.3%
50-60	1.52	0.0%	140-150	493.89	12.6%
60-70	4.16	0.1%	150-160	360.78	9.2%
70-80	10.48	0.3%	160-170	213.61	5.4%
80-90	27.86	0.7%	170-180	68.31	1.7%
0-90	44.57	1.1%	0-180	3934.12	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	1	0	0	0	0	0	0	0	0	0	0	0	1	0
40	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
45	0	1	3	1	0	0	0	0	0	0	0	0	0	1	3	1
50	0	2	4	1	0	0	0	0	0	0	0	0	0	1	4	2
55	0	3	7	3	0	0	0	0	0	0	0	0	0	3	7	3
60	0	5	10	5	0	0	0	0	0	0	0	0	0	5	10	5
65	0	8	15	8	0	0	0	0	0	0	0	0	0	8	15	8
70	0	12	23	13	1	0	1	1	0	1	1	0	1	13	23	12
75	0	16	32	22	2	1	2	1	0	1	2	1	2	22	32	16
80	8	24	42	36	4	2	3	2	0	2	3	2	4	36	42	24
85	22	40	61	58	11	5	5	2	0	2	5	5	11	58	61	40
90	33	55	85	96	42	10	7	2	0	2	7	10	42	96	85	55
95	165	215	362	403	96	19	9	3	0	3	9	19	96	403	362	215
100	1086	1140	1046	580	151	58	18	3	0	3	18	58	151	580	1046	1140
105	1733	1580	1161	650	217	117	61	26	16	26	61	117	217	650	1161	1580
110	1766	1598	1195	704	288	179	119	77	64	77	119	179	288	704	1195	1598
115	1738	1597	1249	739	353	240	185	134	118	134	185	240	353	739	1249	1597
120	1743	1621	1258	766	408	295	253	200	182	200	253	295	408	766	1258	1621
125	1730	1601	1242	801	460	345	307	272	251	272	307	345	460	801	1242	1601
130	1672	1547	1209	831	507	398	350	338	323	338	350	398	507	831	1209	1547
135	1579	1467	1179	847	543	446	396	376	369	376	396	446	543	847	1179	1467
140	1488	1389	1152	862	579	484	444	413	403	413	444	484	579	862	1152	1389
145	1400	1322	1110	864	606	519	490	462	453	462	490	519	606	864	1110	1322
150	1301	1232	1069	864	631	552	532	510	499	510	532	552	631	864	1069	1232
155	1199	1155	1027	852	649	581	563	547	540	547	563	581	649	852	1027	1155
160	1110	1069	978	835	667	592	588	580	577	580	588	592	667	835	978	1069
165	1015	983	919	813	676	617	611	603	606	603	611	617	676	813	919	983
170	908	900	855	770	691	626	623	615	623	615	623	626	691	770	855	900
175	829	810	767	737	704	658	628	631	635	631	628	658	704	737	767	810
180	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	31	1
55	0	81	2
65	0	223	8
75	5	657	55
85	584	2015	930

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	3777	3777	3777	3777	3226	3226	3226	3226	2203	2203	2203	1298	1298	1298	433	433	433	39
1	3423	3226	3108	2951	2911	2793	2675	2557	1888	1849	1770	1102	1062	1023	354	354	354	0
2	3108	2833	2597	2400	2636	2439	2242	2085	1652	1534	1456	984	905	866	315	315	275	0
3	2833	2478	2203	2006	2400	2124	1888	1731	1456	1338	1220	866	787	708	275	275	236	0
4	2557	2164	1888	1692	2203	1888	1652	1456	1298	1141	1023	747	669	590	236	236	197	0
5	2360	1928	1652	1416	2006	1652	1416	1220	1141	984	866	669	590	511	236	197	157	0
6	2164	1731	1416	1220	1849	1495	1220	1062	1023	866	747	590	511	433	197	157	157	0
7	1967	1534	1259	1062	1692	1338	1102	905	905	747	629	551	433	393	197	157	118	0
8	1810	1377	1102	905	1574	1180	944	787	826	669	551	472	393	354	157	118	118	0
9	1692	1259	984	787	1456	1062	866	708	747	590	511	433	354	315	157	118	118	0
10	1574	1141	866	708	1338	984	747	629	669	551	433	393	315	275	118	118	79	0

Cone of Light		
Mtg Height	Light Level	Beam Diameter
6 ft	0 fc	0 ft
8 ft	0 fc	0 ft
10 ft	0 fc	0 ft
12 ft	0 fc	0 ft
15 ft	0 fc	0 ft

