

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-5°
(White Housing – Indirect – Opal Lens)

Test Number

IES-P00051

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



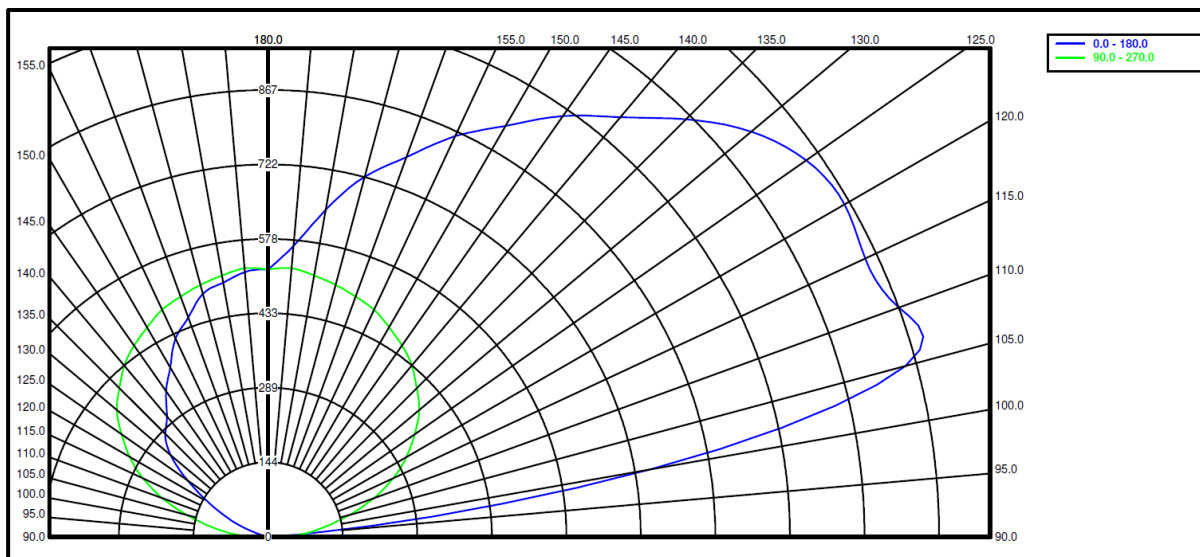
Image may differ slightly from actual unit

Summary of Results

System Power:	30.8W
Total Luminaire Output:	2905 Lumens
Luminaire Efficacy:	94 lm/W
Max Candela:	1299.8 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	152.2	5.2%
10-20	0	0.0%	100-110	438.19	15.1%
20-30	0.01	0.0%	110-120	498.84	17.2%
30-40	0.09	0.0%	120-130	496.6	17.1%
40-50	0.42	0.0%	130-140	443.51	15.3%
50-60	1.28	0.0%	140-150	363.22	12.5%
60-70	3.36	0.1%	150-160	267.22	9.2%
70-80	8.31	0.3%	160-170	159.36	5.5%
80-90	21.83	0.8%	170-180	51.01	1.8%
0-90	35.3	1.2%	0-180	2905.45	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	1	0	0	0	0	0	0	0	0	0	1	1	0
45	0	1	3	1	0	0	0	0	0	0	0	0	0	1	3	1
50	0	1	4	2	0	0	0	0	0	0	0	0	0	2	4	1
55	0	2	5	3	0	0	0	0	0	0	0	0	0	3	5	2
60	0	4	8	5	0	0	0	0	0	0	0	0	0	5	8	4
65	0	6	12	7	0	0	0	0	0	0	0	0	0	7	12	6
70	0	9	17	11	1	0	1	0	0	0	1	0	1	11	17	9
75	0	12	25	17	2	0	1	1	0	1	1	0	2	17	25	12
80	6	19	34	28	3	1	3	1	0	1	3	1	3	28	34	19
85	18	32	48	45	9	4	4	1	0	1	4	4	9	45	48	32
90	26	44	66	73	32	8	5	2	0	2	5	8	32	73	66	44
95	110	143	247	296	73	15	7	2	0	2	7	15	73	296	247	143
100	754	806	763	434	113	45	13	3	0	3	13	45	113	434	763	806
105	1278	1169	859	483	164	89	46	20	12	20	46	89	164	483	859	1169
110	1300	1175	891	523	217	136	89	57	46	57	89	136	217	523	891	1175
115	1276	1181	928	546	267	181	139	100	87	100	139	181	267	546	928	1181
120	1289	1200	929	567	309	223	192	151	135	151	192	223	309	567	929	1200
125	1273	1172	903	584	347	267	233	206	190	206	233	267	347	584	903	1172
130	1222	1127	878	600	382	311	265	255	247	255	265	311	382	600	878	1127
135	1145	1058	853	614	407	352	303	284	282	284	303	352	407	614	853	1058
140	1062	1003	827	620	433	388	338	313	305	313	338	388	433	620	827	1003
145	996	941	802	618	452	420	381	349	344	349	381	420	452	618	802	941
150	920	885	767	609	469	448	415	389	379	389	415	448	469	609	767	885
155	857	824	731	601	485	473	449	429	424	429	449	473	485	601	731	824
160	784	764	691	581	495	487	476	461	452	461	476	487	495	581	691	764
165	723	700	641	562	506	500	501	491	488	491	501	500	506	562	641	700
170	644	632	588	539	515	507	512	511	500	511	512	507	515	539	588	632
175	566	557	546	534	523	509	511	513	516	513	511	509	523	534	546	557
180	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	27	1
55	0	64	3
65	0	177	9
75	3	519	53
85	479	1592	727

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	2789	2789	2789	2789	2382	2382	2382	2382	1627	1627	1627	959	959	959	320	320	320	29
1	2528	2382	2295	2179	2150	2063	1976	1889	1395	1366	1307	814	784	755	261	261	261	0
2	2295	2092	1918	1772	1947	1801	1656	1540	1220	1133	1075	726	668	639	232	232	203	0
3	2092	1830	1627	1482	1772	1569	1395	1278	1075	988	901	639	581	523	203	203	174	0
4	1889	1598	1395	1249	1627	1395	1220	1075	959	843	755	552	494	436	174	174	145	0
5	1743	1424	1220	1046	1482	1220	1046	901	843	726	639	494	436	378	174	145	116	0
6	1598	1278	1046	901	1366	1104	901	784	755	639	552	436	378	320	145	116	116	0
7	1453	1133	930	784	1249	988	814	668	668	552	465	407	320	291	145	116	87	0
8	1337	1017	814	668	1162	872	697	581	610	494	407	349	291	261	116	87	87	0
9	1249	930	726	581	1075	784	639	523	552	436	378	320	261	232	116	87	87	0
10	1162	843	639	523	988	726	552	465	494	407	320	291	232	203	87	87	58	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

