



PICASSO LIGHTING INDUSTRIES, LLC
46 Sellers Street, Kearny, NJ 07032
201.246.8188

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

CKE-CR-4'-I3-30K-80-FST-M4

(White Housing – Indirect – Frosted Lens – Specular Reflector)

Test Number

IES-P00085

Test Date

2017-03-24

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Extruded aluminum housing, specular reflector, Indirect w/ frosted lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Knife Edged Cove Creating Mounting
Luminous Length:	46.67 in
Luminous Width:	3.50 in
Luminous Height:	0.00 in



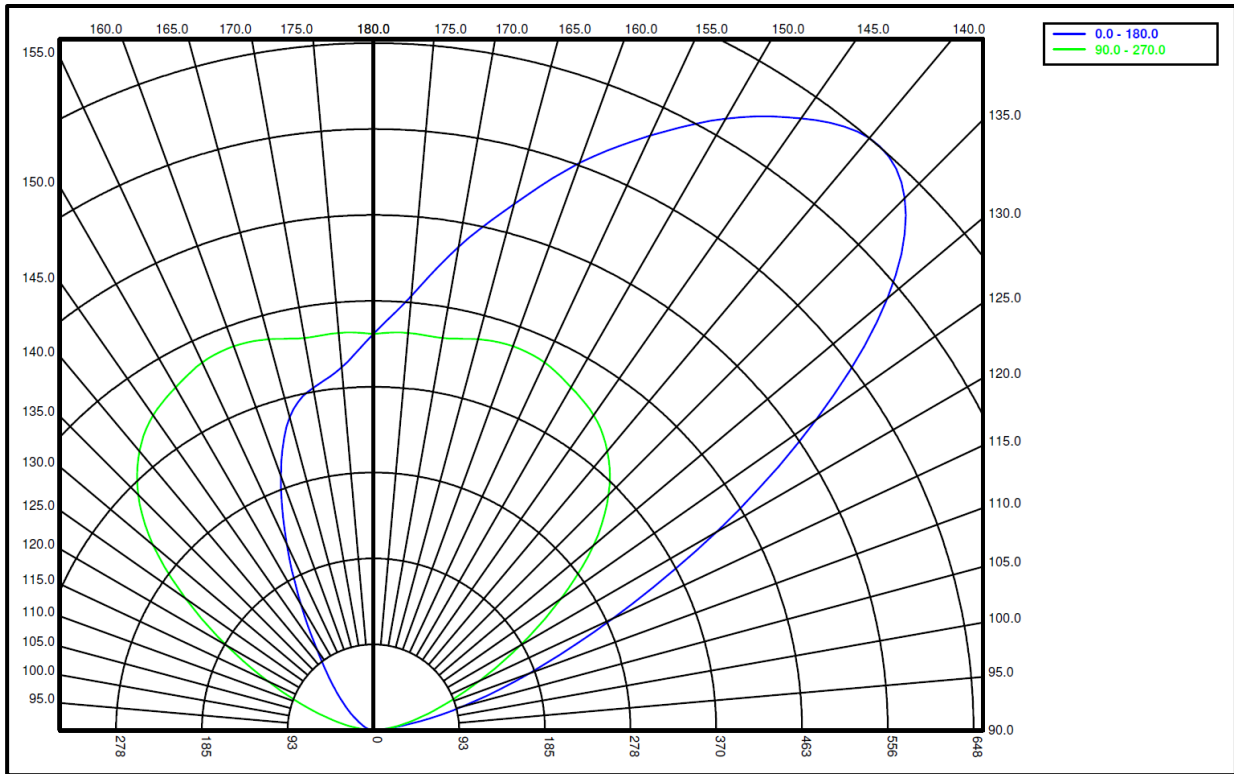
Image may differ slightly from actual unit

Summary of Results

System Power:	12.0W
Total Luminaire Output:	1416 Lumens
Luminaire Efficacy:	118 lm/W
Max Candela:	833.33 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	10.2	0.7%
10-20	0	0.0%	100-110	57.9	4.1%
20-30	0	0.0%	110-120	142.51	10.1%
30-40	0	0.0%	120-130	248.13	17.5%
40-50	0	0.0%	130-140	301.58	21.3%
50-60	0	0.0%	140-150	274.24	19.4%
60-70	0	0.0%	150-160	210.95	14.9%
70-80	0	0.0%	160-170	128.63	9.1%
80-90	0	0.0%	170-180	41.41	2.9%
0-90	0	0.0%	0-180	1415.55	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	1	2	1	0	0	0	0	0	1	2	1	0	0
95	7	8	10	12	8	4	2	1	1	1	2	4	8	12	10	8
100	41	43	45	40	25	12	6	3	3	3	6	12	25	40	45	43
105	101	100	96	80	50	23	12	7	6	7	12	23	50	80	96	100
110	178	176	165	135	83	37	18	11	9	11	18	37	83	135	165	176
115	285	280	260	212	126	55	25	16	13	16	25	55	126	212	260	280
120	429	417	383	305	183	79	35	22	18	22	35	79	183	305	383	417
125	584	571	513	404	247	112	50	31	26	31	50	112	247	404	513	571
130	725	702	624	486	310	154	70	43	38	43	70	154	310	486	624	702
135	812	782	691	539	359	201	98	62	53	62	98	201	359	539	691	782
140	833	801	705	561	393	250	137	87	75	87	137	250	393	561	705	801
145	805	778	690	559	415	296	187	124	107	124	187	296	415	559	690	778
150	761	733	660	552	427	335	244	178	156	178	244	335	427	552	660	733
155	707	687	627	534	438	366	301	244	221	244	301	366	438	534	627	687
160	651	631	584	515	441	389	346	308	292	308	346	389	441	515	584	631
165	587	577	540	488	437	398	373	358	349	358	373	398	437	488	540	577
170	529	521	496	463	430	404	389	381	375	381	389	404	430	463	496	521
175	470	471	455	439	430	414	399	396	393	396	399	414	430	439	455	471
180	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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	1147	1147	1147	1147	793	793	793	453	453	453	142	142	142	0
1	1232	1175	1118	1076	1048	1005	963	920	679	665	637	396	382	368	127	127	113	0
2	1118	1019	934	878	948	878	807	750	595	566	524	340	326	311	113	99	99	0
3	1019	892	793	722	863	764	694	623	524	481	439	297	283	255	99	85	85	0
4	920	793	679	609	793	679	595	524	467	411	368	269	241	226	85	85	71	0
5	849	694	595	510	722	595	510	453	411	354	311	241	212	184	71	71	57	0
6	779	623	510	439	665	538	453	382	368	311	269	212	184	156	71	57	57	0
7	708	552	453	382	609	481	396	326	326	269	241	198	156	142	57	57	42	0
8	665	495	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	226	241	198	156	142	113	99	42	42	28	0

