



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'-I7-30K-80-FST-M

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

Test Number

IES-P00087

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



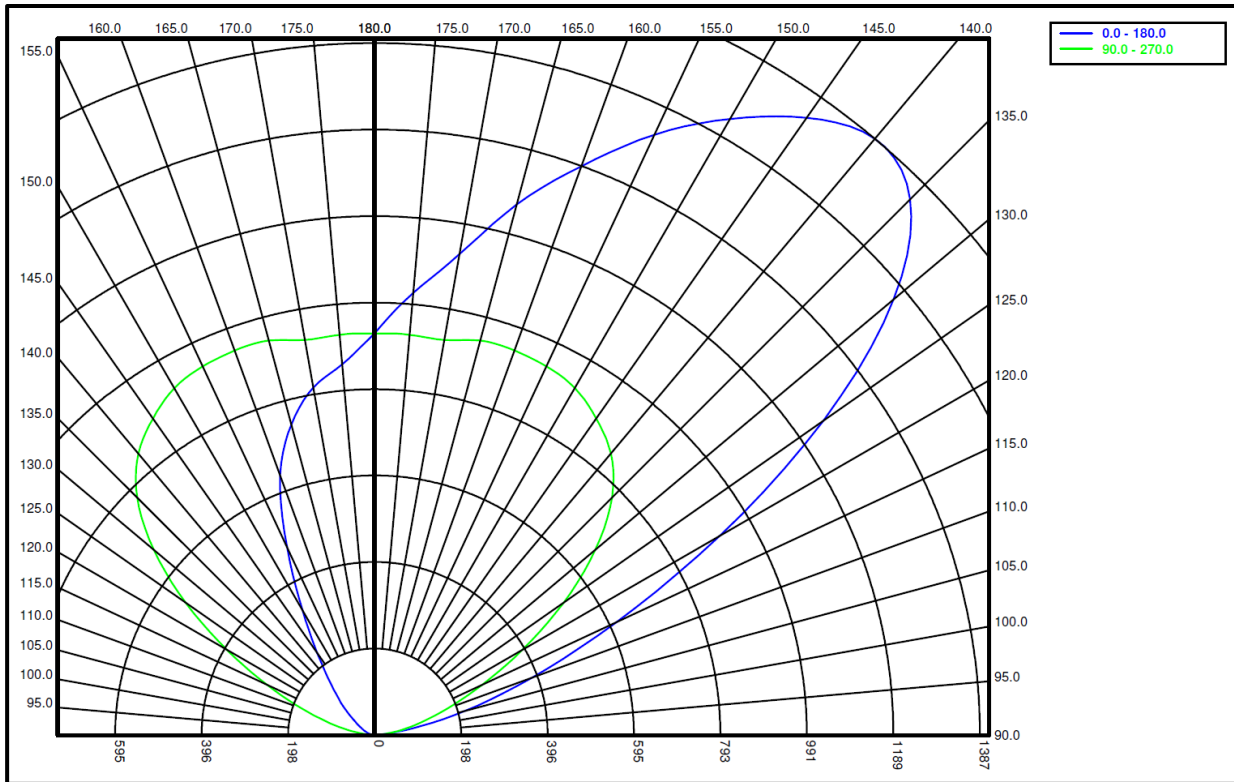
Image may differ slightly from actual unit

Summary of Results

System Power:	26.2W
Total Luminaire Output:	3034 Lumens
Luminaire Efficacy:	116 lm/W
Max Candela:	1783.62 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	21.87	0.7%
10-20	0	0.0%	100-110	124.07	4.1%
20-30	0	0.0%	110-120	305.7	10.1%
30-40	0	0.0%	120-130	531.64	17.5%
40-50	0	0.0%	130-140	646.36	21.3%
50-60	0	0.0%	140-150	587.9	19.4%
60-70	0	0.0%	150-160	451.72	14.9%
70-80	0	0.0%	160-170	275.36	9.1%
80-90	0	0.0%	170-180	88.9	2.9%
0-90	0	0.0%	0-180	3033.52	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	2	4	1	1	1	1	1	1	1	4	2	0	0
95	14	16	22	25	18	9	4	3	2	3	4	9	18	25	22	16
100	88	91	96	86	54	27	13	7	5	7	13	27	54	86	96	91
105	217	215	204	172	107	50	25	15	12	15	25	50	107	172	204	215
110	382	375	351	292	177	79	39	23	20	23	39	79	177	292	351	375
115	611	602	558	454	272	117	55	34	29	34	55	117	272	454	558	602
120	916	895	824	654	392	169	76	47	40	47	76	169	392	654	824	895
125	1256	1224	1102	863	528	240	106	66	56	66	106	240	528	863	1102	1224
130	1553	1503	1333	1044	660	331	150	94	81	94	150	331	660	1044	1333	1503
135	1736	1675	1481	1159	769	432	210	133	115	133	210	432	769	1159	1481	1675
140	1784	1720	1515	1200	842	537	291	187	160	187	291	537	842	1200	1515	1720
145	1726	1665	1480	1203	885	634	401	264	229	264	401	634	885	1203	1480	1665
150	1630	1576	1417	1178	918	719	522	381	332	381	522	719	918	1178	1417	1576
155	1518	1473	1338	1141	932	785	644	525	475	525	644	785	932	1141	1338	1473
160	1388	1354	1254	1101	938	827	741	661	633	661	741	827	938	1101	1254	1354
165	1259	1235	1161	1047	936	849	802	762	737	762	802	849	936	1047	1161	1235
170	1119	1115	1058	997	920	866	837	811	809	811	837	866	920	997	1058	1115
175	1017	996	980	946	921	888	867	851	853	851	867	888	921	946	980	996
180	920	920	920	920	920	920	920	920	920	920	920	920	920	920	920	920

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	2882	2882	2882	2882	2457	2457	2457	2457	1699	1699	1699	971	971	971	303	303	303	0
1	2639	2518	2396	2305	2245	2154	2063	1972	1456	1426	1365	849	819	789	273	273	243	0
2	2396	2184	2002	1881	2032	1881	1729	1608	1274	1213	1122	728	698	667	243	212	212	0
3	2184	1911	1699	1547	1850	1638	1486	1335	1122	1031	940	637	607	546	212	182	182	0
4	1972	1699	1456	1304	1699	1456	1274	1122	1001	880	789	576	516	485	182	182	152	0
5	1820	1486	1274	1092	1547	1274	1092	971	880	758	667	516	455	394	152	152	121	0
6	1668	1335	1092	940	1426	1153	971	819	789	667	576	455	394	334	152	121	121	0
7	1517	1183	971	819	1304	1031	849	698	698	576	516	425	334	303	121	121	91	0
8	1426	1062	849	698	1213	910	728	607	637	516	425	364	303	273	121	91	91	0
9	1304	971	758	607	1122	819	667	546	576	455	394	334	273	243	121	91	91	0
10	1213	880	667	546	1031	758	576	485	516	425	334	303	243	212	91	91	61	0

