



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
NUB-RS-4x4-D2-30-80-NM-W
(White Housing – Direct – Newmat Material Lenses)

Test Number

IES-P00129

Test Date

2017-11-16

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	White, Sheet Metal Housing, Extruded Aluminum Lens Frame, Direct w/ Newmat Lenses
Lamp:	LED (3000K, 80+ CRI)
Installation:	Surface or Recess Mounted
Luminous Length:	45.88 in
Luminous Width:	45.88 in
Luminous Height:	0.00 in

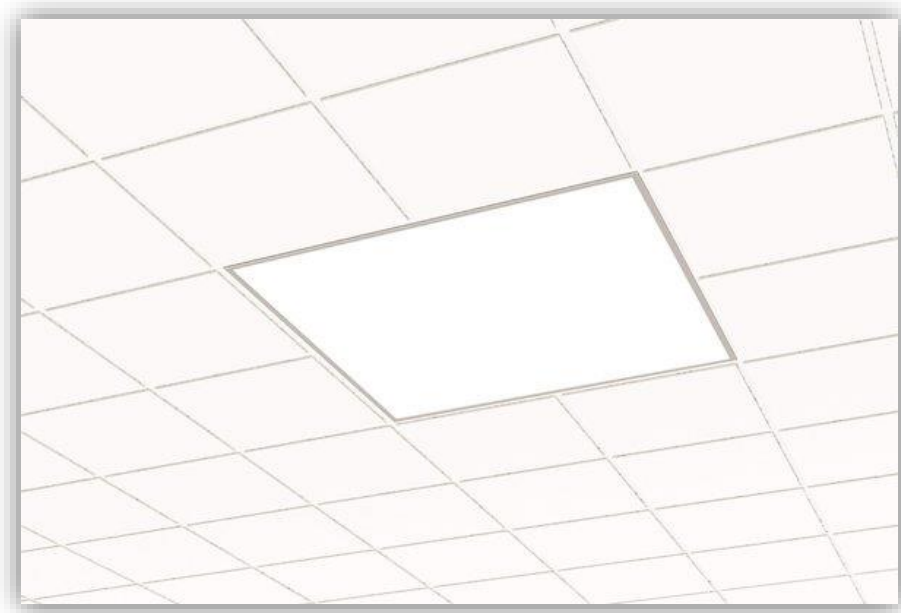


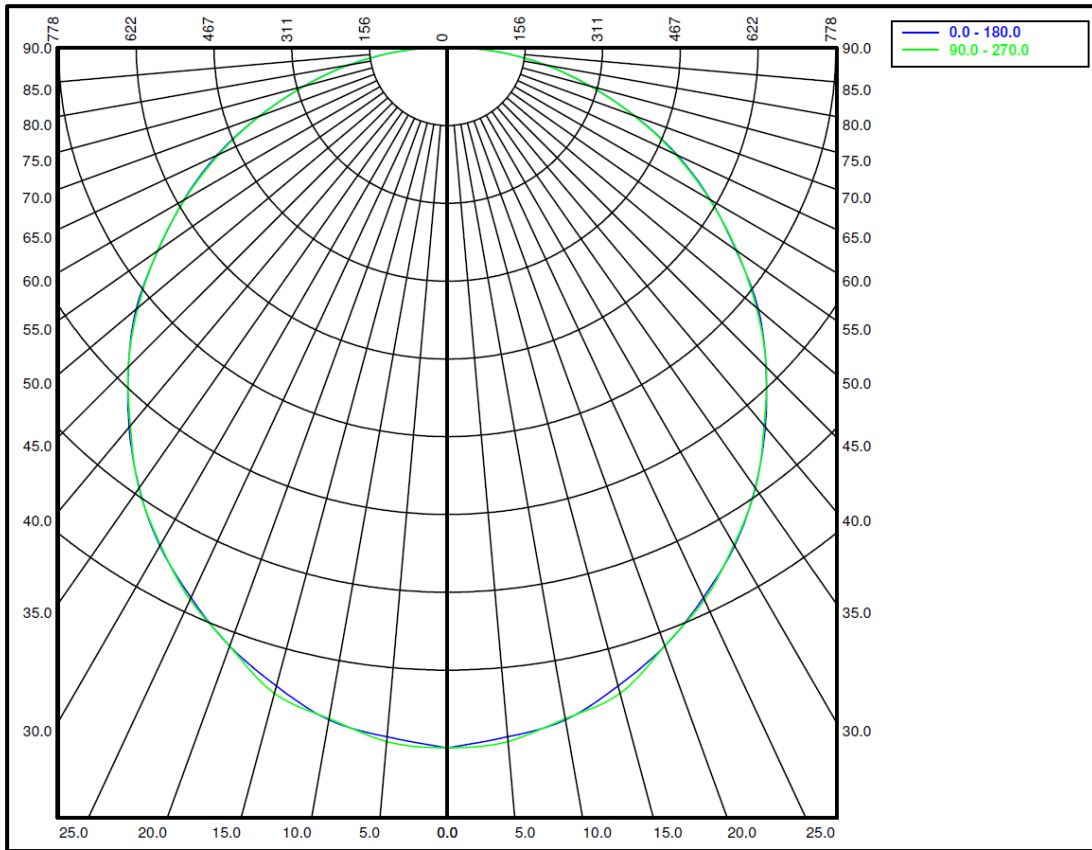
Image may differ slightly from actual unit

Summary of Results

System Power:	44.7W
Total Luminaire Output:	4003 Lumens
Luminaire Efficacy:	90 lm/W
Max Candela:	1399.72 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	131.56	3.3%	90-100	0	0.0%
10-20	373.55	9.3%	100-110	0	0.0%
20-30	561.05	14.0%	110-120	0	0.0%
30-40	672.29	16.8%	120-130	0	0.0%
40-50	695.13	17.4%	130-140	0	0.0%
50-60	633.45	15.8%	140-150	0	0.0%
60-70	499.76	12.5%	150-160	0	0.0%
70-80	315.44	7.9%	160-170	0	0.0%
80-90	121.26	3.0%	170-180	0	0.0%
0-90	4003.49	100.0%	0-180	4003.49	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	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
5	1383	1388	1384	1379	1393	1379	1384	1388	1383	1388	1384	1379	1393	1379	1384	1388
10	1364	1362	1362	1363	1362	1363	1362	1362	1364	1362	1362	1363	1362	1363	1362	1362
15	1321	1321	1323	1323	1337	1323	1323	1321	1321	1321	1323	1323	1337	1323	1323	1321
20	1273	1279	1273	1275	1273	1275	1273	1279	1273	1279	1273	1275	1273	1275	1273	1279
25	1213	1215	1216	1219	1218	1219	1216	1215	1213	1215	1216	1219	1218	1219	1216	1215
30	1150	1153	1151	1155	1148	1155	1151	1153	1150	1153	1151	1155	1148	1155	1151	1153
35	1075	1075	1074	1074	1076	1074	1074	1075	1075	1075	1074	1074	1076	1074	1074	1075
40	990	990	990	991	986	991	990	990	990	990	990	991	986	991	990	990
45	902	899	901	900	903	900	901	899	902	899	901	900	903	900	901	899
50	813	809	805	805	807	805	805	809	813	809	805	805	807	805	805	809
55	706	710	707	707	708	707	707	710	706	710	707	707	708	707	707	710
60	609	607	608	608	606	608	608	607	609	607	608	608	606	608	608	607
65	508	505	504	505	504	505	504	505	508	505	504	505	504	505	504	505
70	401	400	401	401	399	401	401	400	401	400	401	401	399	401	401	400
75	296	298	298	297	295	297	298	298	296	298	298	297	295	297	298	298
80	201	200	199	201	201	201	199	200	201	200	199	201	201	201	199	200
85	107	106	105	106	107	106	105	106	107	106	105	106	107	106	105	106
90	33	33	34	33	34	33	34	33	33	33	34	33	34	33	34	33

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	1031	1031	1031
45	938	937	940
55	906	907	908
65	884	877	877
75	842	846	839
85	899	887	899

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	4764	4764	4764	4764	4644	4644	4644	4644	4444	4444	4444	4244	4244	4244	4084	4084	4084	4003
1	4324	4124	3923	3763	4204	4044	3883	3723	3843	3723	3603	3723	3603	3483	3563	3483	3403	3283
2	3923	3563	3283	3043	3803	3523	3243	3003	3363	3123	2963	3243	3043	2883	3123	2963	2802	2722
3	3563	3123	2802	2522	3483	3083	2762	2522	2963	2682	2482	2842	2602	2402	2722	2562	2362	2282
4	3283	2762	2402	2122	3163	2722	2402	2122	2602	2322	2082	2522	2282	2082	2442	2202	2042	1962
5	3003	2482	2122	1842	2923	2442	2082	1842	2362	2042	1802	2282	2002	1802	2202	1962	1762	1681
6	2762	2242	1882	1601	2682	2202	1842	1601	2122	1802	1561	2042	1762	1561	2002	1762	1561	1481
7	2562	2002	1681	1401	2482	2002	1641	1401	1922	1601	1401	1882	1601	1401	1802	1561	1361	1281
8	2402	1842	1481	1281	2322	1802	1481	1241	1762	1481	1241	1722	1441	1241	1681	1401	1241	1161
9	2242	1681	1361	1121	2162	1681	1361	1121	1641	1321	1121	1561	1321	1121	1521	1281	1121	1041
10	2082	1561	1241	1041	2042	1521	1241	1041	1481	1201	1041	1481	1201	1001	1441	1201	1001	921

