

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

NUB-RS-5x5-D3-30-80-NM-W

(White Housing – Direct – Newmat Material Lenses)

Test Number

IES-P00153

Test Date

2017-11-16

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, Sheet Metal Housing, Extruded Aluminum Lens Frame, Direct w/ Newmat Lenses
Lamp:	LED (3000K, 80+ CRI)
Installation:	Surface or Recess Mounted
Luminous Length:	57.88 in
Luminous Width:	57.88 in
Luminous Height:	0.00 in

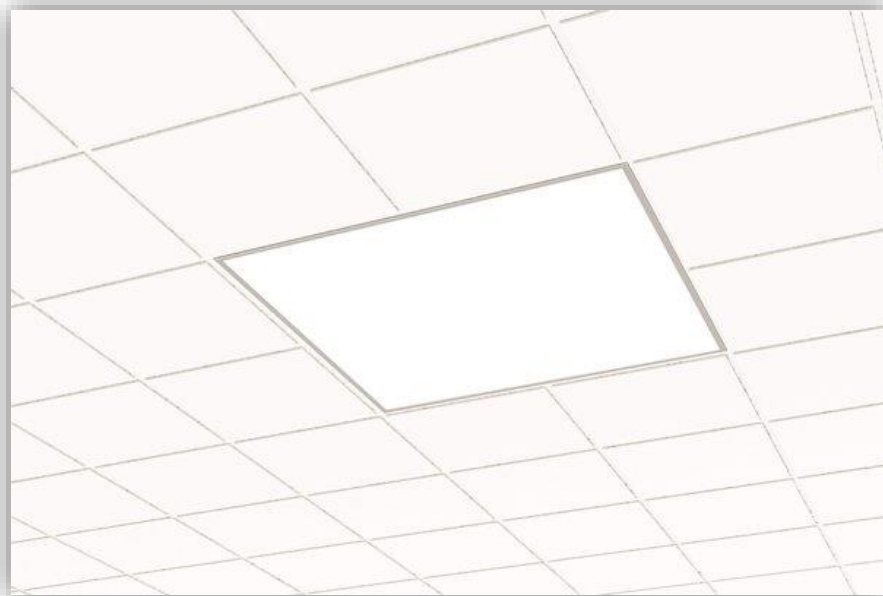


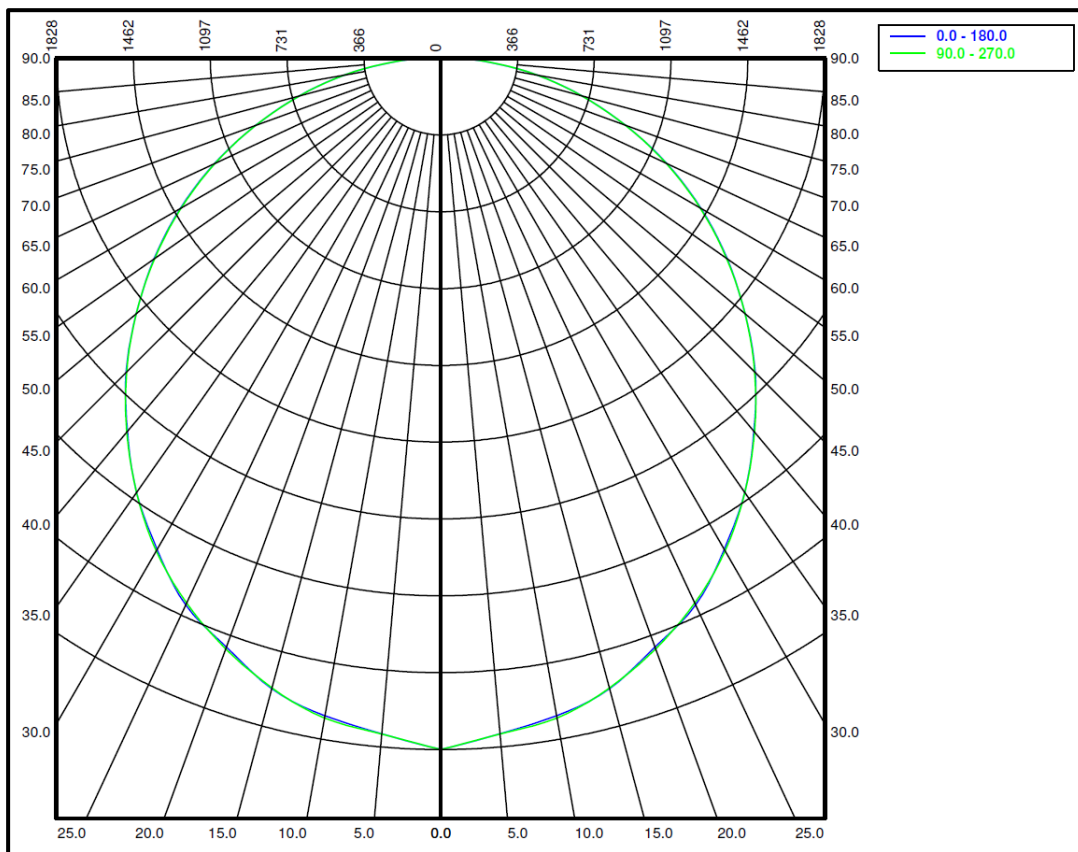
Image may differ slightly from actual unit

Summary of Results

System Power:	101.8W
Total Luminaire Output:	9390 Lumens
Luminaire Efficacy:	92 lm/W
Max Candela:	3290.17 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	308.35	3.3%	90-100	0	0.0%
10-20	876.7	9.3%	100-110	0	0.0%
20-30	1318	14.0%	110-120	0	0.0%
30-40	1578.61	16.8%	120-130	0	0.0%
40-50	1632.67	17.4%	130-140	0	0.0%
50-60	1488.59	15.9%	140-150	0	0.0%
60-70	1173.18	12.5%	150-160	0	0.0%
70-80	737.89	7.9%	160-170	0	0.0%
80-90	275.62	2.9%	170-180	0	0.0%
0-90	9389.61	100.0%	0-180	9389.61	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	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290
5	3227	3239	3255	3248	3229	3248	3255	3239	3227	3239	3255	3248	3229	3248	3255	3239
10	3178	3192	3200	3201	3189	3201	3200	3192	3178	3192	3200	3201	3189	3201	3200	3192
15	3107	3096	3114	3116	3103	3116	3114	3096	3107	3096	3114	3116	3103	3116	3114	3096
20	2983	3003	2995	2991	2992	2991	2995	3003	2983	3003	2995	2991	2992	2991	2995	3003
25	2872	2858	2860	2858	2862	2858	2860	2858	2872	2858	2860	2858	2862	2858	2860	2858
30	2700	2704	2691	2707	2708	2707	2691	2704	2700	2704	2691	2707	2708	2707	2691	2704
35	2524	2522	2520	2528	2524	2528	2520	2522	2524	2522	2520	2528	2524	2528	2520	2522
40	2320	2330	2327	2326	2325	2326	2327	2330	2320	2330	2327	2326	2325	2326	2327	2330
45	2118	2115	2116	2115	2114	2115	2116	2115	2118	2115	2116	2115	2114	2115	2116	2115
50	1892	1896	1901	1889	1891	1889	1901	1896	1892	1896	1901	1889	1891	1889	1901	1896
55	1666	1668	1661	1666	1662	1666	1661	1668	1666	1668	1661	1666	1662	1666	1661	1668
60	1432	1428	1428	1425	1426	1425	1428	1428	1432	1428	1428	1425	1426	1425	1428	1428
65	1189	1184	1184	1188	1184	1188	1184	1184	1189	1184	1184	1188	1184	1188	1184	1184
70	939	940	940	937	937	937	940	940	939	940	940	937	937	937	940	940
75	697	695	696	695	696	695	696	695	697	695	696	695	696	695	696	695
80	466	466	466	465	467	465	466	466	466	466	466	465	467	465	466	466
85	237	240	239	238	239	238	239	240	237	240	239	238	239	238	239	240
90	70	69	68	69	69	69	68	69	70	69	68	69	69	69	68	69

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	1523	1523	1523
45	1385	1384	1382
55	1343	1339	1340
65	1300	1296	1296
75	1244	1243	1242
85	1257	1265	1270

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	11174	11174	11174	11174	10892	10892	10892	10892	10422	10422	10422	9953	9953	9953	9577	9577	9577	9390
1	10141	9671	9296	8826	9859	9484	9108	8732	9014	8732	8451	8732	8451	8169	8357	8169	7981	7699
2	9202	8357	7699	7136	8920	8263	7606	7136	7887	7324	6948	7606	7136	6761	7324	6948	6573	6385
3	8357	7324	6573	5915	8169	7230	6479	5915	6948	6291	5822	6667	6103	5634	6385	6009	5540	5352
4	7699	6479	5634	4976	7418	6385	5634	4976	6103	5446	4883	5915	5352	4883	5728	5164	4789	4601
5	7042	5822	4976	4319	6854	5728	4883	4319	5540	4789	4225	5352	4695	4225	5164	4601	4131	3944
6	6479	5258	4413	3756	6291	5164	4319	3756	4976	4225	3756	4789	4131	3662	4695	4131	3662	3474
7	6009	4695	3944	3286	5822	4695	3850	3286	4507	3850	3286	4413	3756	3286	4225	3662	3192	3005
8	5634	4319	3474	3005	5446	4225	3474	2911	4131	3474	2911	4038	3380	2911	3944	3286	2911	2723
9	5258	3944	3192	2629	5070	3944	3192	2629	3850	3099	2629	3662	3099	2629	3568	3005	2629	2441
10	4883	3662	2911	2441	4789	3568	2911	2441	3474	2817	2441	3474	2817	2347	3380	2817	2347	2254

