

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

NUB-RS-6x6-D2-30-80-NM-W

(White Housing – Direct – Newmat Material Lenses)

Test Number

IES-P00156

Test Date

2017-11-17

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:	69.88 in
Luminous Width:	69.88 in
Luminous Height:	0.00 in

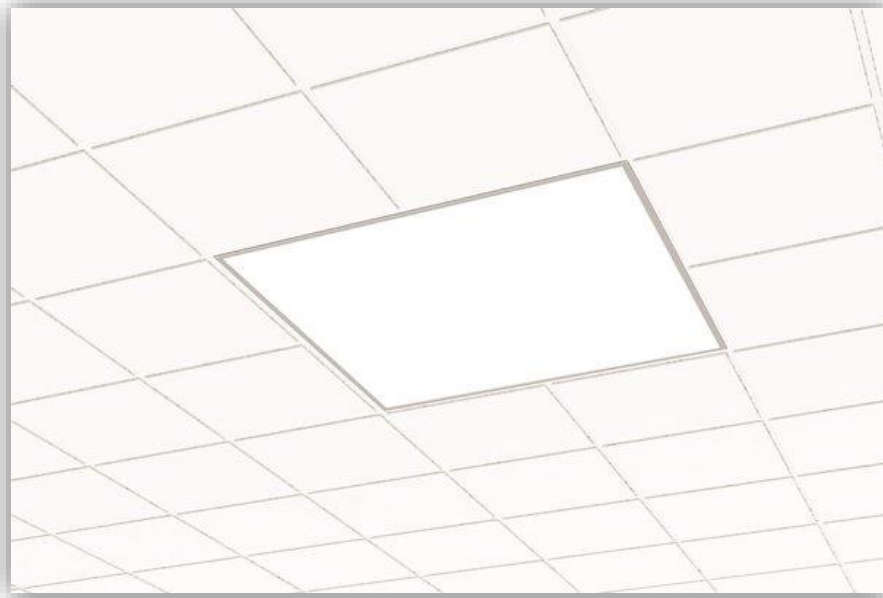


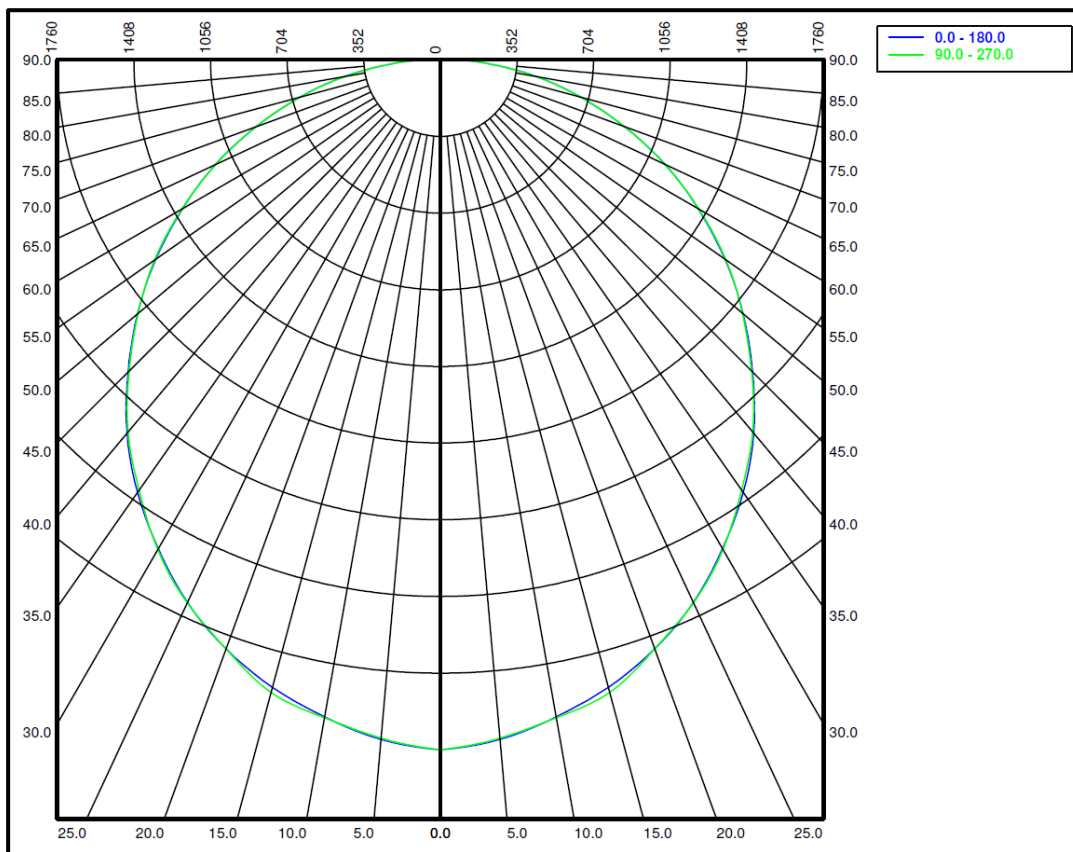
Image may differ slightly from actual unit

Summary of Results

System Power:	97.2W
Total Luminaire Output:	9015 Lumens
Luminaire Efficacy:	93 lm/W
Max Candela:	3167.41 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	297.12	3.3%	90-100	0	0.0%
10-20	842.05	9.3%	100-110	0	0.0%
20-30	1265.98	14.0%	110-120	0	0.0%
30-40	1514.8	16.8%	120-130	0	0.0%
40-50	1566.41	17.4%	130-140	0	0.0%
50-60	1428.34	15.8%	140-150	0	0.0%
60-70	1126.12	12.5%	150-160	0	0.0%
70-80	709.14	7.9%	160-170	0	0.0%
80-90	265.09	2.9%	170-180	0	0.0%
0-90	9015.05	100.0%	0-180	9015.05	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	3167	3167	3167	3167	3167	3167	3167	3167	3167	3167	3167	3167	3167	3167	3167	3167
5	3132	3146	3137	3126	3126	3126	3137	3146	3132	3146	3137	3126	3126	3126	3137	3146
10	3062	3074	3068	3055	3067	3055	3068	3074	3062	3074	3068	3055	3067	3055	3068	3074
15	2982	2996	2977	2977	3007	2977	2977	2996	2982	2996	2977	2977	3007	2977	2977	2996
20	2878	2875	2872	2877	2878	2877	2872	2875	2878	2875	2872	2877	2878	2877	2872	2875
25	2749	2743	2747	2752	2751	2752	2747	2743	2749	2743	2747	2752	2751	2752	2747	2743
30	2592	2598	2597	2592	2596	2592	2597	2598	2592	2598	2597	2592	2596	2592	2597	2598
35	2425	2422	2417	2422	2412	2422	2417	2422	2425	2422	2417	2422	2412	2422	2417	2422
40	2239	2232	2233	2232	2232	2232	2233	2232	2239	2232	2233	2232	2232	2232	2233	2232
45	2029	2029	2033	2028	2021	2028	2033	2029	2029	2029	2033	2028	2021	2028	2033	2029
50	1816	1817	1820	1821	1812	1821	1820	1817	1816	1817	1820	1821	1812	1821	1820	1817
55	1596	1596	1598	1597	1602	1597	1598	1596	1596	1596	1598	1597	1602	1597	1598	1596
60	1367	1368	1371	1368	1372	1368	1371	1368	1367	1368	1371	1368	1372	1368	1371	1368
65	1142	1138	1138	1140	1138	1140	1138	1138	1142	1138	1138	1140	1138	1140	1138	1138
70	901	899	901	903	902	903	901	899	901	899	901	903	902	903	901	899
75	670	669	670	669	671	669	670	669	670	669	670	669	671	669	670	669
80	448	445	446	447	445	447	446	445	448	445	446	447	445	447	446	445
85	228	230	231	229	231	229	231	230	228	230	231	229	231	229	231	230
90	68	67	67	67	69	67	67	67	68	67	67	67	69	67	67	67

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	1006	1006	1006
45	910	912	907
55	882	883	886
65	857	854	854
75	821	821	823
85	828	839	840

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	10728	10728	10728	10728	10457	10457	10457	10457	10007	10007	10007	9556	9556	9556	9195	9195	9195	9015
1	9736	9286	8925	8474	9466	9105	8745	8384	8654	8384	8114	8384	8114	7843	8023	7843	7663	7392
2	8835	8023	7392	6851	8564	7933	7302	6851	7573	7032	6671	7302	6851	6491	7032	6671	6311	6130
3	8023	7032	6311	5679	7843	6942	6220	5679	6671	6040	5589	6401	5860	5409	6130	5770	5319	5139
4	7392	6220	5409	4778	7122	6130	5409	4778	5860	5229	4688	5679	5139	4688	5499	4958	4598	4417
5	6761	5589	4778	4147	6581	5499	4688	4147	5319	4598	4057	5139	4508	4057	4958	4417	3967	3786
6	6220	5048	4237	3606	6040	4958	4147	3606	4778	4057	3606	4598	3967	3516	4508	3967	3516	3336
7	5770	4598	3786	3155	5589	4508	3696	3155	4327	3696	3155	4237	3606	3155	4057	3516	3065	2885
8	5409	4147	3336	2885	5229	4057	3336	2795	3967	3336	2795	3876	3245	2795	3786	3155	2795	2614
9	5048	3786	3065	2524	4868	3786	3065	2524	3696	2975	2524	3516	2975	2524	3426	2885	2524	2344
10	4688	3516	2795	2344	4598	3516	2795	2344	3426	2705	2344	3336	2705	2254	3245	2705	2254	2164

