

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

NUB-RS-5x5-D6-30-80-NM-W

(White Housing – Direct – Newmat Material Lenses)

Test Number

IES-P00155

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:	57.88 in
Luminous Width:	57.88 in
Luminous Height:	0.00 in

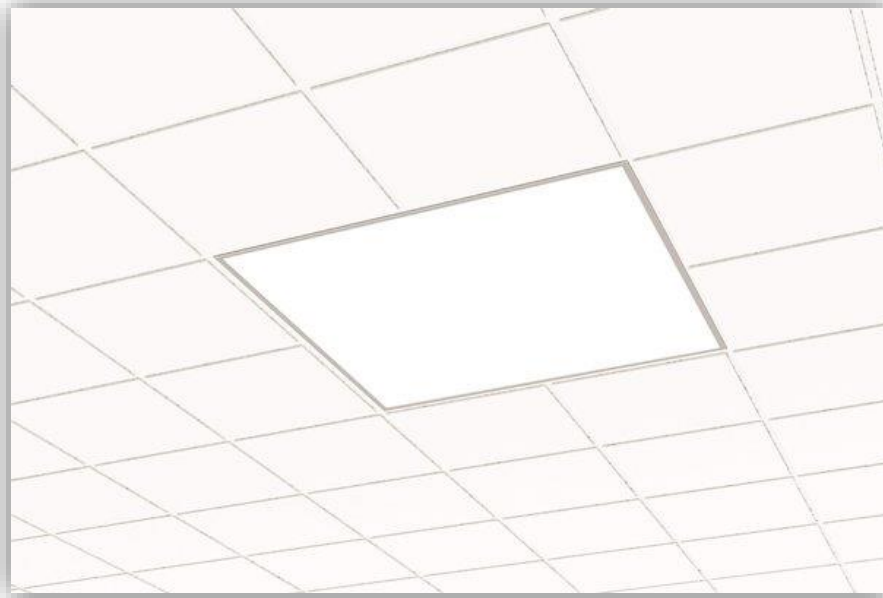


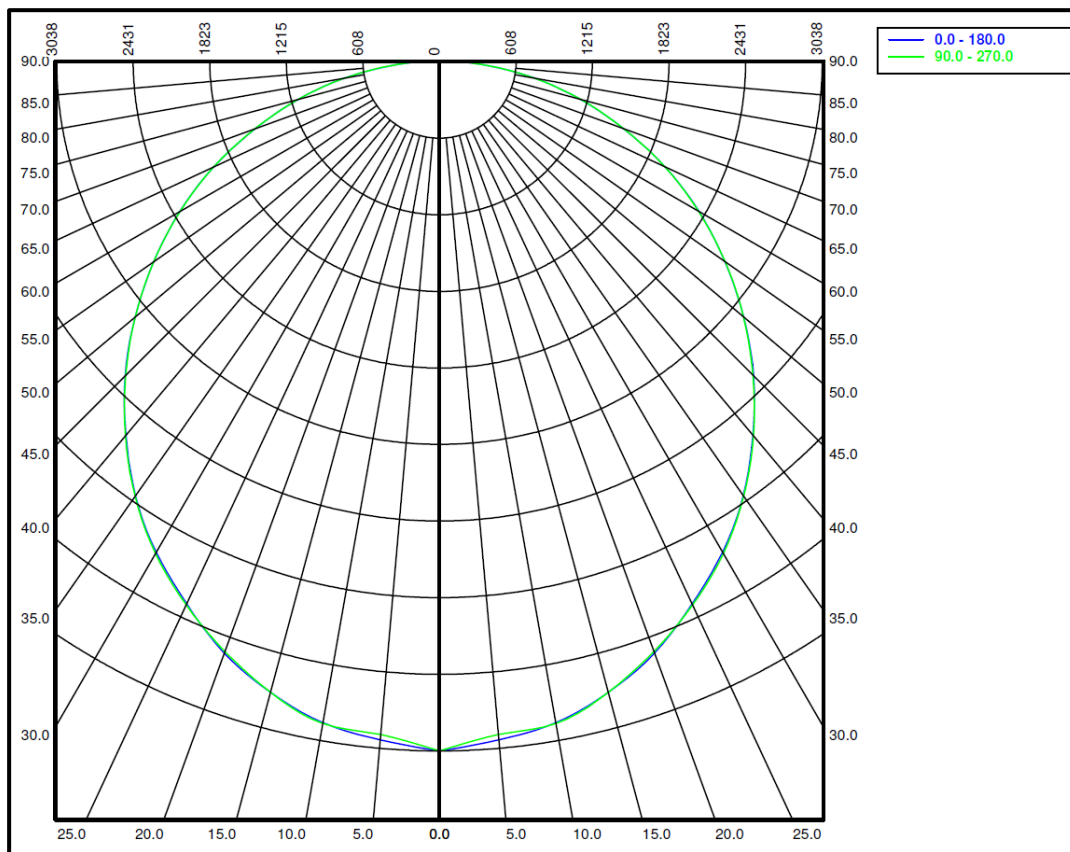
Image may differ slightly from actual unit

Summary of Results

System Power:	169.8W
Total Luminaire Output:	15642 Lumens
Luminaire Efficacy:	92 lm/W
Max Candela:	5468.97 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	514.06	3.3%	90-100	0	0.0%
10-20	1462.18	9.3%	100-110	0	0.0%
20-30	2196.68	14.0%	110-120	0	0.0%
30-40	2629.45	16.8%	120-130	0	0.0%
40-50	2719.82	17.4%	130-140	0	0.0%
50-60	2478.69	15.8%	140-150	0	0.0%
60-70	1953.13	12.5%	150-160	0	0.0%
70-80	1228.83	7.9%	160-170	0	0.0%
80-90	459.14	2.9%	170-180	0	0.0%
0-90	15641.98	100.0%	0-180	15641.98	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	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469
5	5401	5424	5414	5414	5360	5414	5414	5424	5401	5424	5414	5414	5360	5414	5414	5424
10	5327	5334	5334	5311	5332	5311	5334	5334	5327	5334	5334	5311	5332	5311	5334	5334
15	5181	5181	5183	5181	5181	5181	5183	5181	5181	5181	5183	5181	5181	5181	5183	5181
20	4995	5003	5000	4996	4981	4996	5000	5003	4995	5003	5000	4996	4981	4996	5000	5003
25	4748	4774	4779	4767	4757	4767	4779	4774	4748	4774	4779	4767	4757	4767	4779	4774
30	4496	4503	4489	4494	4508	4494	4489	4503	4496	4503	4489	4494	4508	4494	4489	4503
35	4206	4209	4200	4201	4212	4201	4200	4209	4206	4209	4200	4201	4212	4201	4200	4209
40	3871	3878	3878	3870	3878	3870	3878	3878	3871	3878	3878	3870	3878	3870	3878	3878
45	3529	3520	3523	3527	3520	3527	3523	3520	3529	3520	3523	3527	3520	3527	3523	3520
50	3154	3161	3159	3156	3152	3156	3159	3161	3154	3161	3159	3156	3152	3156	3159	3161
55	2769	2775	2773	2768	2770	2768	2773	2775	2769	2775	2773	2768	2770	2768	2773	2775
60	2380	2373	2374	2377	2376	2377	2374	2373	2380	2373	2374	2377	2376	2377	2374	2373
65	1977	1976	1978	1972	1975	1972	1978	1976	1977	1976	1978	1972	1975	1972	1978	1976
70	1555	1561	1560	1566	1558	1566	1560	1561	1555	1561	1560	1566	1558	1566	1560	1561
75	1160	1161	1156	1165	1162	1165	1156	1161	1160	1161	1156	1165	1162	1165	1156	1161
80	772	776	772	773	769	773	772	776	772	776	772	773	769	773	772	776
85	399	397	399	401	399	401	399	397	399	397	399	401	399	401	399	397
90	115	115	115	114	117	114	115	115	115	115	115	114	117	114	115	115

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	2531	2531	2531
45	2307	2303	2302
55	2232	2235	2233
65	2163	2163	2160
75	2072	2066	2075
85	2119	2118	2115

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	18614	18614	18614	18614	18145	18145	18145	18145	17363	17363	17363	16580	16580	16580	15955	15955	15955	15642
1	16893	16111	15486	14703	16424	15798	15173	14547	15173	14547	14078	14547	14078	13609	13921	13609	13296	12826
2	15329	13921	12826	11888	14860	13765	12670	11888	13139	12201	11575	12670	11888	11262	12201	11575	10949	10637
3	13921	12201	10949	9854	13609	12044	10793	9854	11575	10480	9698	11106	10167	9385	10637	10011	9229	8916
4	12826	10793	9385	8290	12357	10637	9385	8290	10167	9072	8134	9854	8916	8134	9542	8603	7977	7665
5	11731	9698	8290	7195	11419	9542	8134	7195	9229	7977	7039	8916	7821	7039	8603	7665	6882	6570
6	10793	8760	7352	6257	10480	8603	7195	6257	8290	7039	6257	7977	6882	6100	7821	6882	6100	5788
7	10011	7977	6570	5475	9698	7821	6413	5475	7508	6413	5475	7352	6257	5475	7039	6100	5318	5005
8	9385	7195	5788	5005	9072	7039	5788	4849	6882	5788	4849	6726	5631	4849	6570	5475	4849	4536
9	8760	6570	5318	4380	8447	6570	5318	4380	6413	5162	4380	6100	5162	4380	5944	5005	4380	4067
10	8134	6100	4849	4067	7977	6100	4849	4067	5944	4693	4067	5788	4693	3910	5631	4693	3910	3754

