

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
NUB-RS-6x6-D3-30-80-NM-W
(White Housing – Direct – Newmat Material Lenses)

Test Number

IES-P00157

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

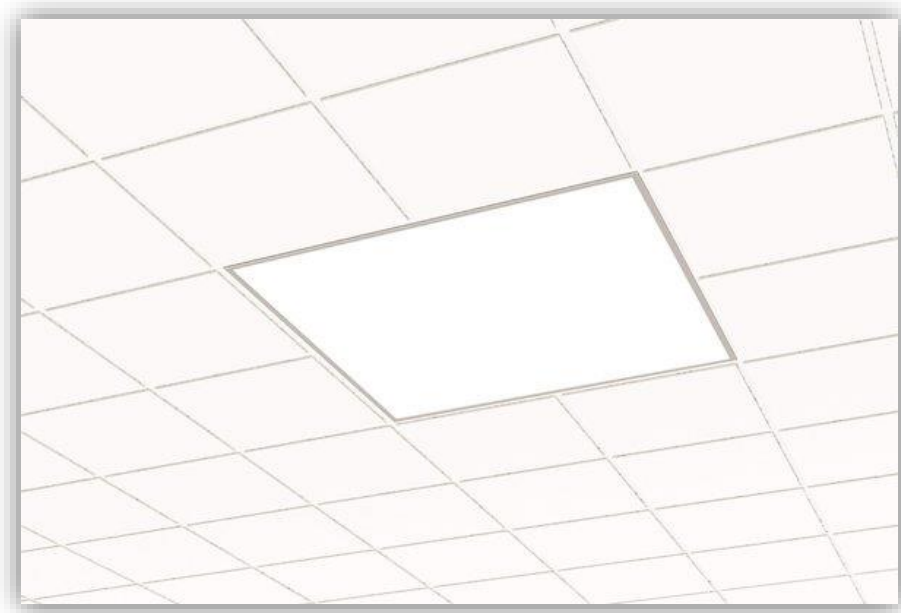


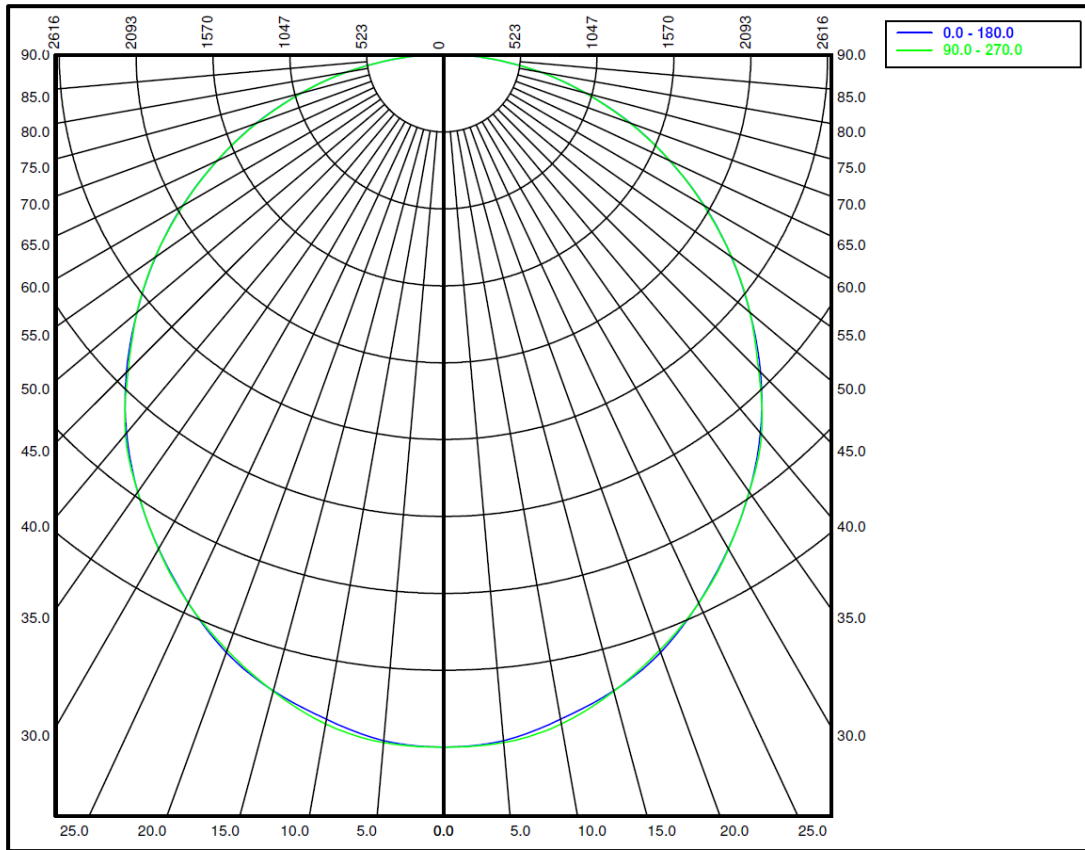
Image may differ slightly from actual unit

Summary of Results

System Power:	145.8W
Total Luminaire Output:	13523 Lumens
Luminaire Efficacy:	93 lm/W
Max Candela:	4709.34 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	444.52	3.3%	90-100	0	0.0%
10-20	1262.85	9.3%	100-110	0	0.0%
20-30	1897.53	14.0%	110-120	0	0.0%
30-40	2274.3	16.8%	120-130	0	0.0%
40-50	2353.28	17.4%	130-140	0	0.0%
50-60	2141.76	15.8%	140-150	0	0.0%
60-70	1687.08	12.5%	150-160	0	0.0%
70-80	1063.95	7.9%	160-170	0	0.0%
80-90	397.82	2.9%	170-180	0	0.0%
0-90	13523.09	100.0%	0-180	13523.09	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	4709	4709	4709	4709	4709	4709	4709	4709	4709	4709	4709	4709	4709	4709	4709	4709
5	4682	4686	4682	4670	4695	4670	4682	4686	4682	4686	4682	4670	4695	4670	4682	4686
10	4589	4597	4602	4619	4622	4619	4602	4597	4589	4597	4602	4619	4622	4619	4602	4597
15	4478	4479	4466	4474	4482	4474	4466	4479	4478	4479	4466	4474	4482	4474	4466	4479
20	4325	4305	4314	4313	4308	4313	4314	4305	4325	4305	4314	4313	4308	4313	4314	4305
25	4113	4118	4127	4112	4115	4112	4127	4118	4113	4118	4127	4112	4115	4112	4127	4118
30	3879	3900	3895	3885	3883	3885	3895	3900	3879	3900	3895	3885	3883	3885	3895	3900
35	3631	3630	3638	3642	3630	3642	3638	3630	3631	3630	3638	3642	3630	3642	3638	3630
40	3357	3351	3350	3352	3372	3352	3350	3351	3357	3351	3350	3352	3372	3352	3350	3351
45	3054	3050	3056	3047	3036	3047	3056	3050	3054	3050	3056	3047	3036	3047	3056	3050
50	2725	2728	2730	2732	2725	2732	2730	2728	2725	2728	2730	2732	2725	2732	2730	2728
55	2394	2391	2398	2394	2397	2394	2398	2391	2394	2391	2398	2394	2397	2394	2398	2391
60	2055	2049	2057	2052	2047	2052	2057	2049	2055	2049	2057	2052	2047	2052	2057	2049
65	1700	1705	1704	1706	1703	1706	1704	1705	1700	1705	1704	1706	1703	1706	1704	1705
70	1359	1355	1346	1353	1350	1353	1346	1355	1359	1355	1346	1353	1350	1353	1346	1355
75	1006	1003	1002	1006	1005	1006	1002	1003	1006	1003	1002	1006	1005	1006	1002	1003
80	670	670	668	673	671	673	668	670	670	670	668	673	671	673	668	670
85	343	346	345	344	346	344	345	346	343	346	345	344	346	344	345	346
90	103	100	101	101	101	101	101	100	103	100	101	101	101	101	101	100

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	1495	1495	1495
45	1370	1371	1362
55	1324	1326	1326
65	1276	1279	1278
75	1232	1228	1231
85	1246	1256	1260

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	16092	16092	16092	16092	15687	15687	15687	15687	15011	15011	15011	14334	14334	14334	13794	13794	13794	13523
1	14605	13929	13388	12712	14199	13658	13117	12576	12982	12576	12171	12576	12171	11765	12036	11765	11495	11089
2	13253	12036	11089	10278	12847	11900	10954	10278	11359	10548	10007	10954	10278	9737	10548	10007	9466	9196
3	12036	10548	9466	8520	11765	10413	9331	8520	10007	9060	8384	9601	8790	8114	9196	8655	7979	7708
4	11089	9331	8114	7167	10683	9196	8114	7167	8790	7843	7032	8520	7708	7032	8249	7438	6897	6626
5	10142	8384	7167	6221	9872	8249	7032	6221	7979	6897	6085	7708	6762	6085	7438	6626	5950	5680
6	9331	7573	6356	5409	9060	7438	6221	5409	7167	6085	5409	6897	5950	5274	6762	5950	5274	5004
7	8655	6897	5680	4733	8384	6762	5544	4733	6491	5544	4733	6356	5409	4733	6085	5274	4598	4327
8	8114	6221	5004	4327	7843	6085	5004	4192	5950	5004	4192	5815	4868	4192	5680	4733	4192	3922
9	7573	5680	4598	3786	7302	5680	4598	3786	5544	4463	3786	5274	4463	3786	5139	4327	3786	3516
10	7032	5274	4192	3516	6897	5274	4192	3516	5004	4057	3516	5004	4057	3381	4868	4057	3381	3246

