



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
AMA-(PSW)-4-D10-30-80-OW-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00024

Test Date

2017-06-07

The results contained in this report pertain only to the tested sample.
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Luminaire Description:	Aluminum, Extruded Housing, Direct w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling, Surface or Wall Mounted
Luminous Length:	47.13 in
Luminous Width:	3.25 in
Luminous Height:	0.00 in



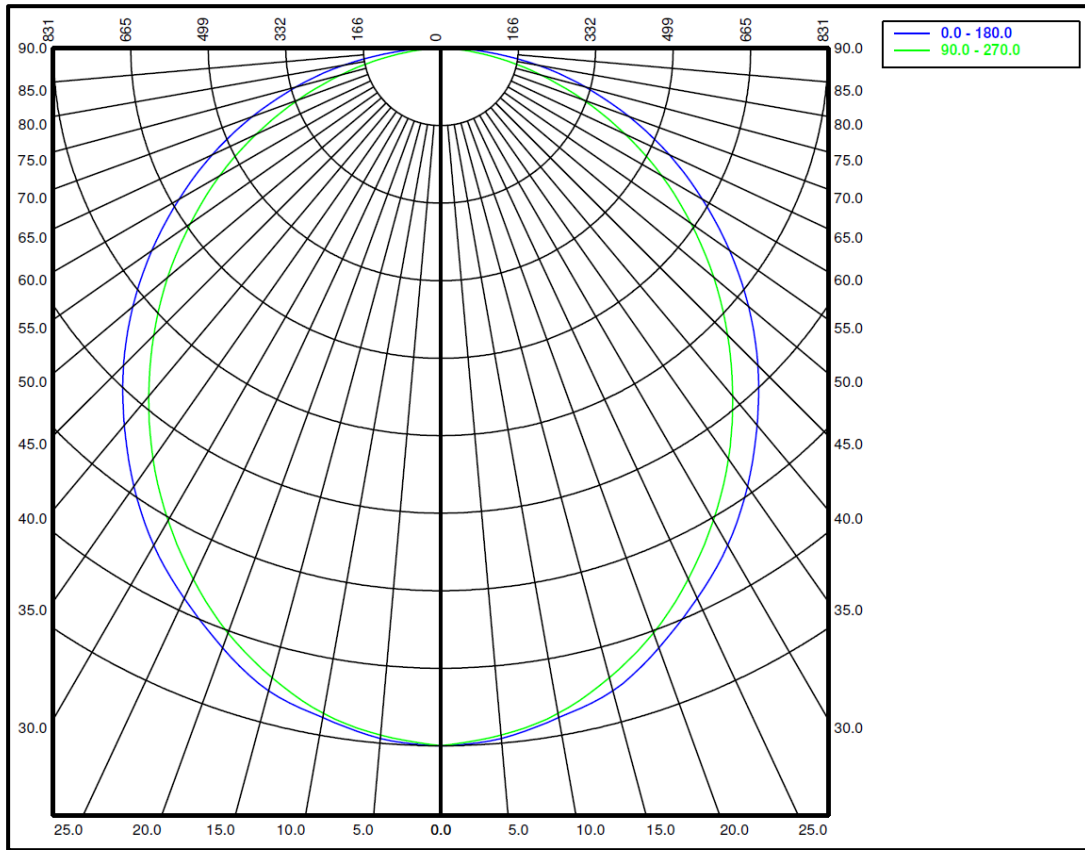
Image may differ slightly from actual unit

Summary of Results

System Power:	54.2W
Total Luminaire Output:	3993 Lumens
Luminaire Efficacy:	74 lm/W
Max Candela:	1496.05 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	140.28	3.5%	90-100	0	0.0%
10-20	396.24	9.9%	100-110	0	0.0%
20-30	588.65	14.7%	110-120	0	0.0%
30-40	693.47	17.4%	120-130	0	0.0%
40-50	705.42	17.7%	130-140	0	0.0%
50-60	627.78	15.7%	140-150	0	0.0%
60-70	478.28	12.0%	150-160	0	0.0%
70-80	280.69	7.0%	160-170	0	0.0%
80-90	81.75	2.0%	170-180	0	0.0%
0-90	3992.56	100.0%	0-180	3992.56	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	1496	1496	1496	1496	1496	1496	1496	1496	1496	1496	1496	1496	1496	1496	1496	1496
5	1486	1477	1478	1476	1479	1476	1478	1477	1486	1477	1478	1476	1479	1476	1478	1477
10	1458	1453	1447	1441	1449	1441	1447	1453	1458	1453	1447	1441	1449	1441	1447	1453
15	1427	1411	1403	1398	1398	1398	1403	1411	1427	1411	1403	1398	1398	1398	1403	1411
20	1369	1364	1339	1334	1335	1334	1339	1364	1369	1364	1339	1334	1335	1334	1339	1364
25	1302	1294	1275	1262	1257	1262	1275	1294	1302	1294	1275	1262	1257	1262	1275	1294
30	1232	1218	1198	1178	1170	1178	1198	1218	1232	1218	1198	1178	1170	1178	1198	1218
35	1147	1130	1104	1080	1076	1080	1104	1130	1147	1130	1104	1080	1076	1080	1104	1130
40	1056	1046	1015	986	975	986	1015	1046	1056	1046	1015	986	975	986	1015	1046
45	962	945	912	882	871	882	912	945	962	945	912	882	871	882	912	945
50	862	844	807	774	765	774	807	844	862	844	807	774	765	774	807	844
55	757	734	699	665	656	665	699	734	757	734	699	665	656	665	699	734
60	649	630	588	558	549	558	588	630	649	630	588	558	549	558	588	630
65	541	516	478	447	437	447	478	516	541	516	478	447	437	447	478	516
70	431	408	368	338	327	338	368	408	431	408	368	338	327	338	368	408
75	321	298	259	232	222	232	259	298	321	298	259	232	222	232	259	298
80	213	188	152	133	127	133	152	188	213	188	152	133	127	133	152	188
85	101	77	56	49	47	49	56	77	101	77	56	49	47	49	56	77
90	18	12	11	10	10	10	11	12	18	12	11	10	10	10	11	12

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	15141	15141	15141
45	13759	13042	12447
55	13340	12329	11557
65	12940	11434	10453
75	12522	10101	8678
85	11745	6510	5483

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	4751	4751	4751	4751	4631	4631	4631	4631	4432	4432	4432	4232	4232	4232	4072	4072	4072	3993
1	4352	4152	3993	3833	4232	4072	3913	3753	3873	3753	3633	3713	3633	3513	3593	3513	3434	3354
2	3953	3633	3354	3114	3833	3553	3274	3074	3394	3194	2994	3274	3074	2954	3154	2994	2875	2795
3	3593	3194	2835	2595	3513	3114	2795	2555	2994	2755	2515	2875	2675	2475	2795	2595	2435	2356
4	3314	2835	2475	2196	3194	2755	2435	2196	2675	2396	2156	2555	2316	2116	2475	2276	2076	1996
5	3034	2515	2156	1877	2954	2475	2156	1877	2396	2076	1877	2316	2036	1837	2236	1996	1837	1757
6	2795	2276	1916	1677	2715	2236	1877	1637	2156	1877	1637	2076	1837	1637	2036	1797	1597	1517
7	2595	2076	1717	1477	2515	2036	1677	1477	1956	1677	1437	1916	1637	1437	1837	1597	1437	1357
8	2435	1877	1557	1318	2356	1837	1517	1318	1797	1517	1278	1757	1477	1278	1717	1477	1278	1198
9	2276	1717	1397	1198	2196	1717	1397	1158	1677	1357	1158	1597	1357	1158	1557	1318	1158	1078
10	2116	1597	1278	1078	2076	1557	1278	1078	1517	1238	1078	1517	1238	1078	1477	1238	1038	998

