

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number
TRU-L-4'-D5-30K-80-OPL-W
(White Housing – Direct – Opal Lens)

Test Number

IES-P00018

Test Date

2017-01-13

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:	Aluminum, Extruded Housing, Direct w/ Opal Lens
Lamp:	LED (3000K, 80+ CRI)
Installation:	Suspension from Ceiling
Luminous Length:	47.50 in
Luminous Width:	2.75 in
Luminous Height:	0.00 in



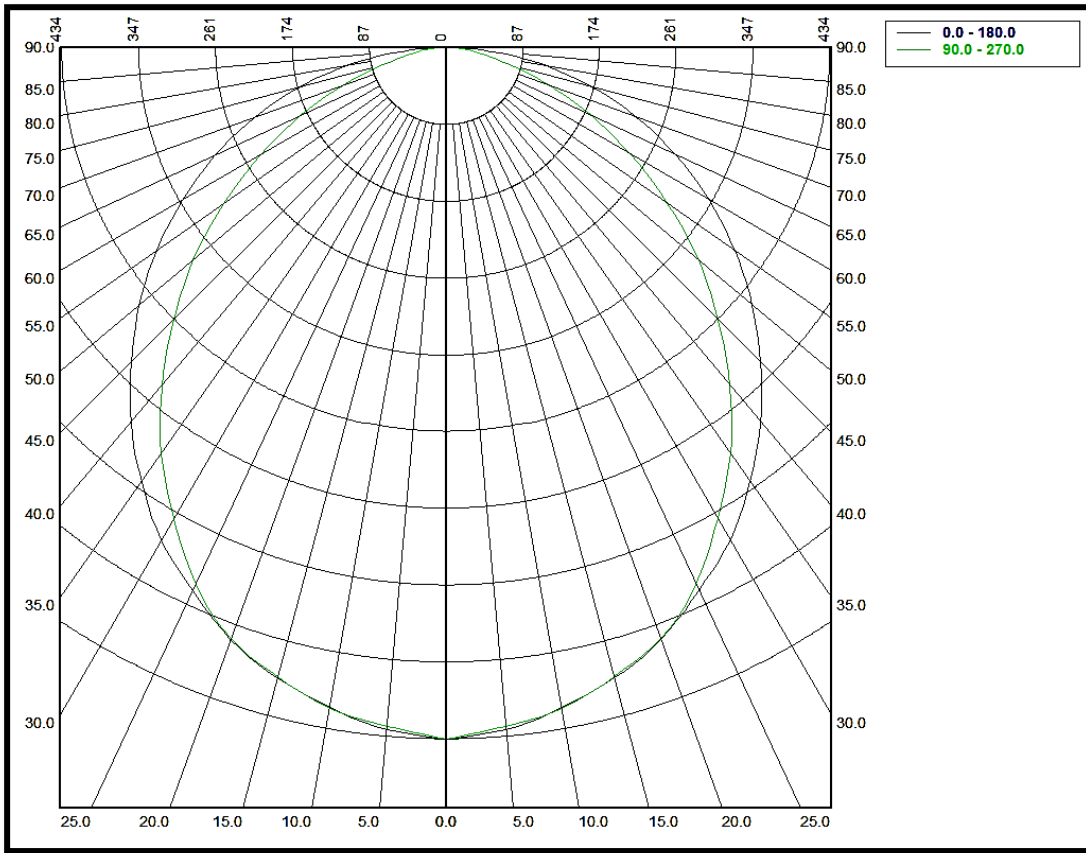
Image may differ slightly from actual unit

Summary of Results

System Power:	25.0W
Total Luminaire Output:	2020 Lumens
Luminaire Efficacy:	81 lm/W
Max Candela:	781.58 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	73.34	3.6%	90-100	0	0.0%
10-20	208.13	10.3%	100-110	0	0.0%
20-30	311.29	15.4%	110-120	0	0.0%
30-40	365.31	18.1%	120-130	0	0.0%
40-50	365.33	18.1%	130-140	0	0.0%
50-60	315.67	15.6%	140-150	0	0.0%
60-70	227.99	11.3%	150-160	0	0.0%
70-80	119.37	5.9%	160-170	0	0.0%
80-90	33.23	1.6%	170-180	0	0.0%
0-90	2019.66	100.0%	0-180	2019.66	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	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782
5	774	770	774	773	770	773	774	770	774	770	774	773	770	773	774	770
10	758	759	760	757	759	757	760	759	758	759	760	757	759	757	760	759
15	738	740	735	737	737	737	735	740	738	740	735	737	737	737	735	740
20	712	713	712	709	712	709	712	713	712	713	712	709	712	709	712	713
25	678	678	680	673	670	673	680	678	678	678	680	673	670	673	680	678
30	644	643	637	623	615	623	637	643	644	643	637	623	615	623	637	643
35	600	602	587	567	561	567	587	602	600	602	587	567	561	567	587	602
40	554	556	533	508	500	508	533	556	554	556	533	508	500	508	533	556
45	503	503	475	446	436	446	475	503	503	503	475	446	436	446	475	503
50	452	447	413	382	373	382	413	447	452	447	413	382	373	382	413	447
55	399	389	352	318	306	318	352	389	399	389	352	318	306	318	352	389
60	344	331	288	255	242	255	288	331	344	331	288	255	242	255	288	331
65	287	269	224	192	182	192	224	269	287	269	224	192	182	192	224	269
70	230	206	161	133	125	133	161	206	230	206	161	133	125	133	161	206
75	171	144	101	78	71	78	101	144	171	144	101	78	71	78	101	144
80	112	82	48	41	41	41	48	82	112	82	48	41	41	41	48	82
85	50	28	23	23	22	23	23	28	50	28	23	23	22	23	23	28
90	7	6	6	6	5	6	6	6	7	6	6	6	5	6	6	6

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

ANGLES	0-Deg	45-Deg	90-Deg
0	9274	9274	9274
45	8431	7969	7307
55	8241	7274	6329
65	8064	6291	5102
75	7833	4620	3252
85	6762	3066	3056

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	2403	2403	2403	2403	2343	2343	2343	2343	2242	2242	2242	2141	2141	2141	2060	2060	2060	2020
1	2201	2100	2020	1959	2141	2060	1979	1919	1979	1919	1858	1898	1858	1797	1838	1777	1757	1717
2	2020	1838	1717	1596	1959	1818	1697	1575	1737	1636	1555	1676	1596	1515	1616	1535	1474	1434
3	1838	1636	1474	1333	1777	1596	1454	1333	1535	1414	1313	1474	1373	1272	1434	1333	1252	1212
4	1676	1454	1272	1131	1636	1414	1252	1131	1373	1232	1111	1333	1192	1111	1272	1171	1091	1050
5	1555	1293	1111	990	1515	1272	1111	990	1232	1091	969	1192	1070	949	1151	1050	949	909
6	1434	1171	990	868	1394	1151	990	868	1111	969	848	1070	949	848	1050	929	828	788
7	1333	1070	889	767	1293	1050	889	767	1010	868	747	990	848	747	949	828	747	707
8	1232	969	808	687	1212	949	788	687	929	788	687	909	767	666	889	767	666	626
9	1151	889	727	626	1131	889	727	606	848	707	606	828	707	606	808	687	606	566
10	1091	828	666	566	1070	808	666	566	788	646	566	767	646	545	747	646	545	525

