



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

MAY-R-2x2-DR3-30-80-W

MAYA 2x2 LED - Formed Sheet Metal Housing - Perforated Diffuser

Test Number

IES-P00124

Test Date

Thu Jun 29 10:40:10 2017

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.

MAY-R-2x2-DR3-30-80-W
MAYA 2x2 LED - Formed Sheet Metal Housing - Perforated Diffuser
LED (3000K, 80+ CRI)

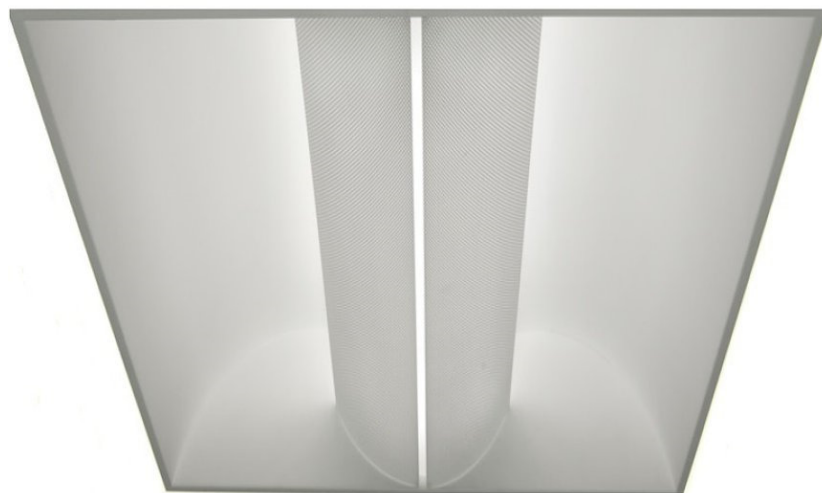


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	38.1 W
Lumens:	3,514.15 lm
Efficiency:	N/A
Efficacy:	91.88 lm/W

Spacing Criterion

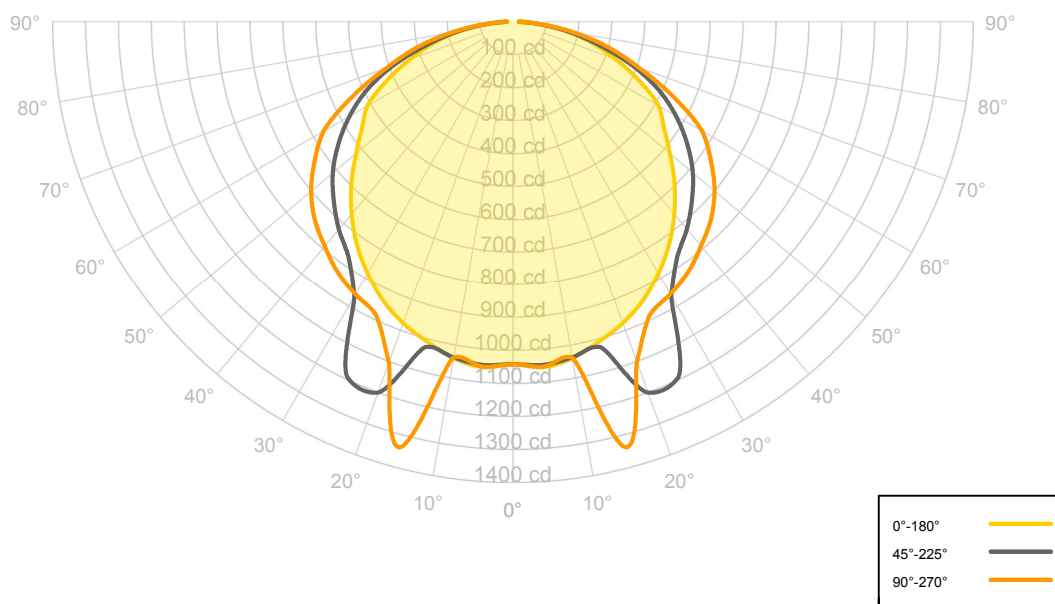
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.37
Four luminaires	1.44

Full Beam Angle

0° - 180°	93.35°
90° - 270°	119.24°

Calculated results may not be representative of field performance.
Ballast factors have not been applied.

Candela Polar Plot



Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	119.57	3.40%	90° - 100°	5.04	0.14%
10° - 20°	310.62	8.84%	100° - 110°	0.00	0.00%
20° - 30°	473.96	13.49%	100° - 120°	0.00	0.00%
30° - 40°	567.10	16.14%	120° - 130°	0.00	0.00%
40° - 50°	607.87	17.30%	130° - 140°	0.00	0.00%
50° - 60°	581.61	16.55%	140° - 150°	0.00	0.00%
60° - 70°	471.61	13.42%	150° - 160°	0.00	0.00%
70° - 80°	286.12	8.14%	160° - 170°	0.00	0.00%
80° - 90°	95.69	2.72%	170° - 180°	0.00	0.00%
0° - 90°	3,514.15	100.00%	0° - 180°	3,514.15	100.00%



PICASSO LIGHTING INDUSTRIES, LLC
 46 Sellers Street, Kearny, NJ 07032
 201.246.8188

Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	1,042.31	1,042.31	1,042.31	1,042.31	1,042.31
5.00°	1,055.21	1,043.50	1,048.56	1,051.44	1,053.72
10.00°	1,039.74	1,038.03	1,037.26	1,045.28	1,037.74
15.00°	1,008.41	1,014.52	1,024.93	1,186.97	1,340.70
20.00°	976.48	984.74	1,201.10	1,256.91	1,103.34
25.00°	936.12	959.45	1,192.64	977.24	985.44
30.00°	883.67	1,020.78	964.51	948.59	957.31
35.00°	827.02	967.61	872.39	911.13	930.30
40.00°	762.92	875.54	823.83	873.92	890.87
45.00°	694.67	784.15	770.57	828.77	852.27
50.00°	622.15	697.61	715.12	775.49	801.41
55.00°	560.00	602.07	647.93	710.80	735.79
60.00°	511.38	503.28	573.28	636.74	664.94
65.00°	423.11	422.12	489.71	531.99	538.94
70.00°	331.16	339.40	386.17	396.27	407.06
75.00°	247.21	251.25	268.46	289.40	302.06
80.00°	165.98	158.45	171.18	184.34	189.52
85.00°	79.98	75.31	80.30	83.55	85.98
90.00°	16.40	17.44	19.52	19.13	18.42

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	3,136	3,136	3,136
45.00°	2,955	3,278	3,626
55.00°	2,937	3,398	3,859
65.00°	3,012	3,486	3,836
75.00°	2,873	3,120	3,511
85.00°	2,761	2,772	2,968



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pfc	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	pcc	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	4,188	4,188	4,188	4,188	4,090	4,090	4,090	4,090	3,907	3,907	3,907	3,740	3,740	3,740	3,586	3,586	3,586	3,514
	1	3,801	3,622	3,462	3,317	3,703	3,541	3,395	3,262	3,389	3,268	3,157	3,249	3,151	3,059	3,121	3,041	2,967	2,891
	2	3,441	3,136	2,884	2,672	3,345	3,068	2,836	2,639	2,940	2,745	2,576	2,823	2,659	2,515	2,714	2,579	2,458	2,379
	3	3,127	2,740	2,441	2,202	3,037	2,683	2,405	2,182	2,576	2,337	2,141	2,476	2,273	2,102	2,384	2,212	2,065	1,985
	4	2,856	2,419	2,099	1,854	2,773	2,371	2,072	1,840	2,280	2,020	1,813	2,196	1,970	1,787	2,118	1,923	1,762	1,683
	5	2,623	2,156	1,829	1,589	2,546	2,115	1,809	1,579	2,039	1,768	1,561	1,967	1,729	1,543	1,901	1,692	1,525	1,448
	6	2,420	1,938	1,614	1,382	2,350	1,903	1,597	1,375	1,838	1,565	1,362	1,777	1,534	1,349	1,721	1,505	1,336	1,261
	7	2,242	1,755	1,439	1,217	2,180	1,726	1,425	1,212	1,670	1,399	1,202	1,618	1,375	1,193	1,569	1,350	1,183	1,112
	8	2,087	1,600	1,294	1,084	2,030	1,575	1,283	1,080	1,527	1,262	1,073	1,483	1,242	1,065	1,441	1,222	1,058	989
	9	1,949	1,468	1,173	974	1,898	1,447	1,164	971	1,405	1,147	965	1,367	1,130	960	1,330	1,113	954	888
10	1,827	1,354	1,071	883	1,781	1,336	1,064	880	1,300	1,049	876	1,266	1,035	871	1,234	1,021	867	804	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	29 fc	13 ft	20 ft
8 ft	16 fc	17 ft	27 ft
10 ft	10 fc	21 ft	34 ft
12 ft	7 fc	25 ft	41 ft
15 ft	5 fc	32 ft	51 ft