



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-2x4-DR7-30-80-W

MAYA 2x4 LED - Formed Sheet Metal Housing - Perforated Diffuser

Test Number

IES-P00123

Test Date

Wed Jun 28 10:37:12 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-2x4-DR7-30-80-W
MAYA 2x4 LED - Formed Sheet Metal Housing - Perforated Diffuser
LED (3000K, 80+ CRI)



Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	76.11 W
Lumens:	7,028.38 lm
Efficiency:	N/A
Efficacy:	91.99 lm/W

Spacing Criterion

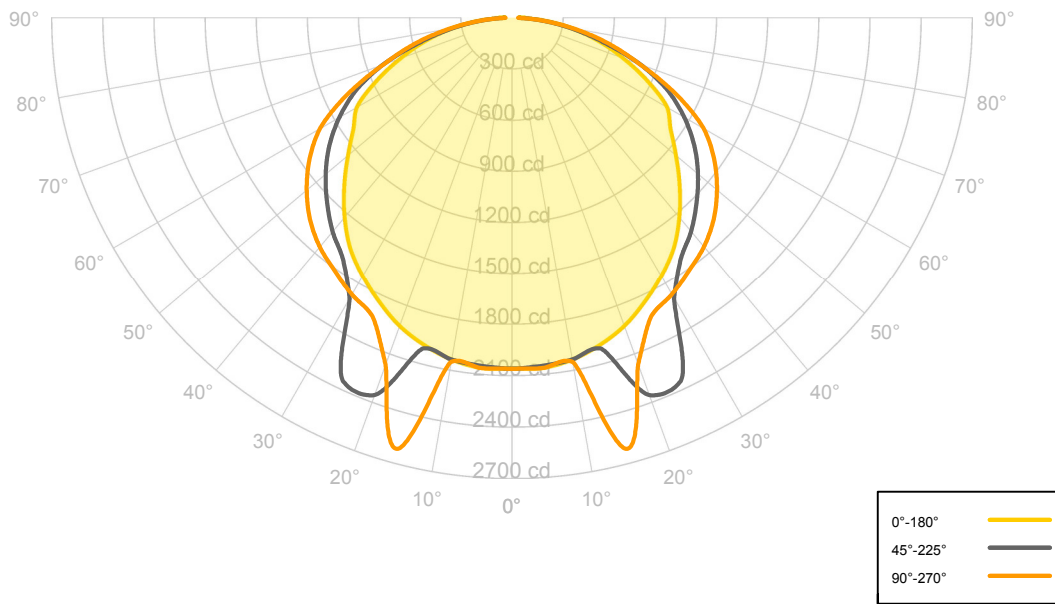
Two luminaires, plane 0°	1.26
Two luminaires, plane 90°	1.35
Four luminaires	1.45

Full Beam Angle

0° - 180°	95.95°
90° - 270°	119.38°

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°	234.54	3.34%	90° - 100°	11.07	0.16%
10° - 20°	609.86	8.68%	100° - 110°	0.00	0.00%
20° - 30°	932.97	13.27%	100° - 120°	0.00	0.00%
30° - 40°	1,121.31	15.95%	120° - 130°	0.00	0.00%
40° - 50°	1,208.58	17.20%	130° - 140°	0.00	0.00%
50° - 60°	1,167.03	16.60%	140° - 150°	0.00	0.00%
60° - 70°	960.88	13.67%	150° - 160°	0.00	0.00%
70° - 80°	591.38	8.41%	160° - 170°	0.00	0.00%
80° - 90°	201.83	2.87%	170° - 180°	0.00	0.00%
0° - 90°	7,028.38	100.00%	0° - 180°	7,028.38	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	2,059.71	2,059.71	2,059.71	2,059.71	2,059.71
5.00°	2,063.09	2,040.58	2,051.05	2,055.28	2,063.79
10.00°	2,037.48	2,028.85	2,037.01	2,048.30	2,050.41
15.00°	1,989.16	2,001.38	2,009.83	2,323.29	2,619.84
20.00°	1,926.56	1,941.31	2,357.10	2,462.36	2,166.61
25.00°	1,841.29	1,891.92	2,349.35	1,924.03	1,934.41
30.00°	1,750.95	2,022.27	1,904.36	1,855.05	1,875.42
35.00°	1,652.71	1,923.43	1,728.50	1,792.99	1,813.40
40.00°	1,527.04	1,744.48	1,636.60	1,720.32	1,754.46
45.00°	1,390.65	1,576.35	1,533.34	1,634.49	1,675.06
50.00°	1,254.96	1,407.18	1,426.22	1,533.83	1,571.76
55.00°	1,135.06	1,228.07	1,307.35	1,410.72	1,450.30
60.00°	1,051.36	1,032.36	1,168.81	1,266.66	1,300.66
65.00°	877.10	880.30	1,010.32	1,064.22	1,066.61
70.00°	693.82	724.13	804.72	793.63	800.94
75.00°	523.61	551.69	557.27	576.89	590.30
80.00°	355.58	352.02	351.17	367.74	373.54
85.00°	184.72	171.06	168.36	169.71	172.71
90.00°	41.79	43.44	40.62	37.89	37.46

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	3,003	3,003	3,003
45.00°	2,867	3,161	3,453
55.00°	2,885	3,323	3,686
65.00°	3,025	3,485	3,679
75.00°	2,949	3,139	3,325
85.00°	3,090	2,816	2,889



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pf_c	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
	pc_c	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%
RCR	0	8,378	8,378	8,378	8,378	8,182	8,182	8,182	8,182	7,815	7,815	7,815	7,481	7,481	7,481	7,173	7,173	7,173	7,028
	1	7,593	7,231	6,906	6,614	7,396	7,068	6,772	6,504	6,764	6,519	6,295	6,484	6,284	6,099	6,226	6,065	5,915	5,762
	2	6,867	6,252	5,743	5,315	6,676	6,115	5,647	5,250	5,860	5,465	5,124	5,624	5,293	5,003	5,406	5,132	4,888	4,729
	3	6,237	5,457	4,854	4,373	6,056	5,343	4,783	4,332	5,127	4,647	4,252	4,928	4,518	4,174	4,743	4,396	4,099	3,939
	4	5,694	4,814	4,169	3,676	5,527	4,717	4,115	3,649	4,536	4,011	3,595	4,367	3,912	3,543	4,210	3,818	3,493	3,334
	5	5,226	4,287	3,631	3,147	5,073	4,206	3,589	3,128	4,052	3,508	3,091	3,909	3,430	3,055	3,776	3,356	3,019	2,864
	6	4,820	3,851	3,201	2,734	4,682	3,783	3,168	2,721	3,652	3,104	2,694	3,530	3,042	2,668	3,416	2,982	2,643	2,493
	7	4,466	3,487	2,852	2,407	4,341	3,428	2,825	2,397	3,317	2,773	2,377	3,212	2,723	2,358	3,115	2,675	2,339	2,195
	8	4,155	3,178	2,564	2,142	4,042	3,128	2,542	2,134	3,033	2,500	2,119	2,943	2,459	2,105	2,858	2,419	2,090	1,952
	9	3,881	2,915	2,324	1,924	3,779	2,872	2,306	1,918	2,790	2,270	1,906	2,712	2,237	1,895	2,639	2,204	1,884	1,752
	10	3,639	2,689	2,121	1,742	3,546	2,652	2,106	1,738	2,580	2,076	1,729	2,512	2,048	1,720	2,449	2,020	1,711	1,585

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	57 fc	13 ft	21 ft
8 ft	32 fc	18 ft	27 ft
10 ft	21 fc	22 ft	34 ft
12 ft	14 fc	27 ft	41 ft
15 ft	9 fc	33 ft	51 ft