



PICASSO LIGHTING INDUSTRIES, LLC
320 West Commerical Ave., Moonachie, NJ 07074
201.246.8188

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

320 West Commerical Ave.
Moonachie, NJ 07074

Photopia Photometric Analysis & Optical Design

Catalog Number

MX2.5-RD-4-D3-30-80-FWD.5-W

MAX2.5 - White Housing - Recessed - Semi-Direct - Frosted White .5" Drop Lens

Test Number

IES-P00378

Test Date

Fri Oct 08 14:09:00 2021

The results contained in this report pertain only to the tested sample.
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MX2.5-RD-4-D3-30-80-FWD.5-W

MAX2.5 - White Housing - Recessed - Semi-Direct - Frosted White .5" Drop Lens
LED (3000K 80+ CRI)

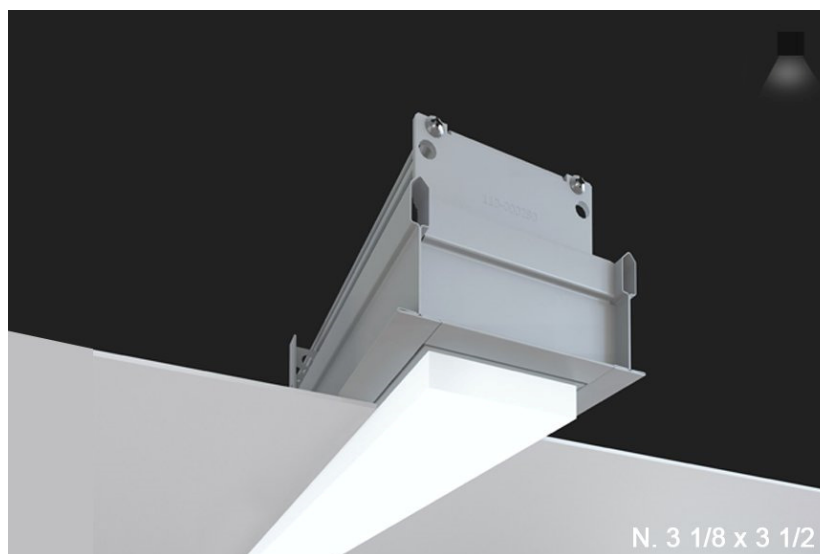


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	16.93 W
Lumens:	1,537.40 lm
Efficiency:	N/A
Efficacy:	89.4 lm/W

Spacing Criterion

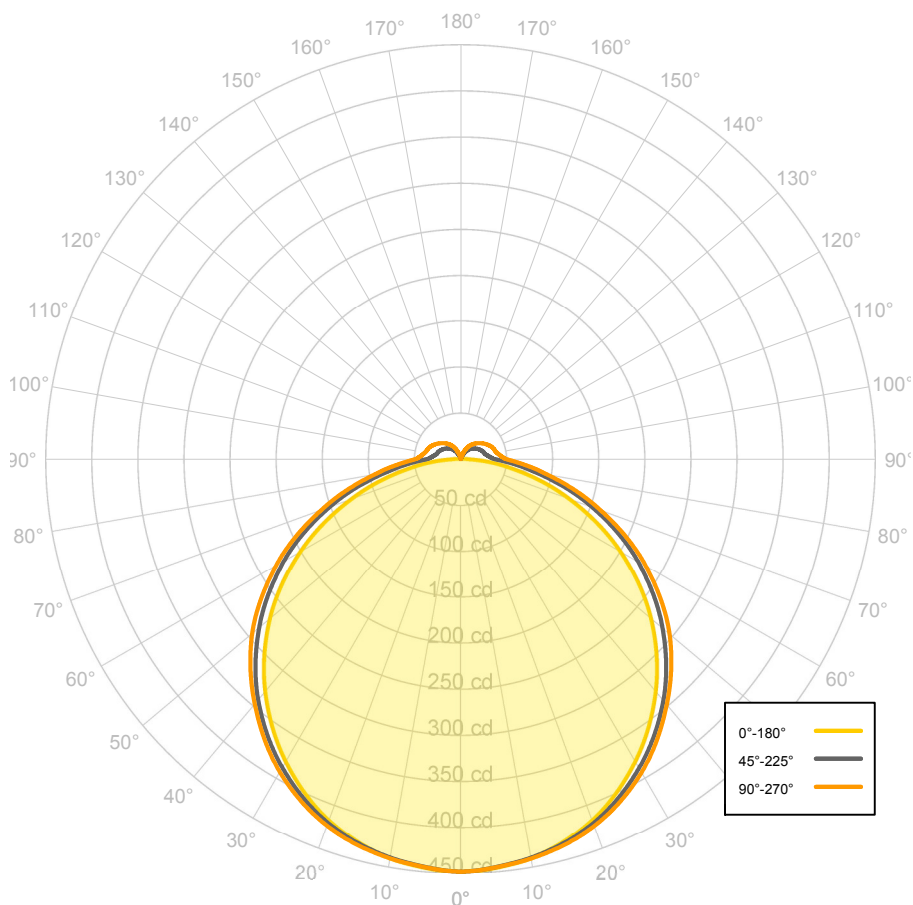
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.29
Four luminaires	1.4

Full Beam Angle

0° - 180°	113.1°
90° - 270°	122.03°

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°	76.19	4.96%	90° - 100°	30.82	2.00%
10° - 20°	120.78	7.86%	100° - 110°	24.52	1.60%
20° - 30°	184.96	12.03%	100° - 120°	44.82	2.92%
30° - 40°	226.09	14.71%	120° - 130°	15.34	1.00%
40° - 50°	239.53	15.58%	130° - 140°	10.36	0.67%
50° - 60°	223.35	14.53%	140° - 150°	5.76	0.37%
60° - 70°	179.55	11.68%	150° - 160°	2.10	0.14%
70° - 80°	117.74	7.66%	160° - 170°	0.29	0.02%
80° - 90°	59.73	3.88%	170° - 180°	0.00	0.00%
0° - 90°	1,427.91	92.88%	0° - 180°	1,537.40	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	448.71	448.71	448.71	448.71	448.71
10.00°	440.36	438.84	440.18	441.15	441.13
20.00°	417.46	419.21	421.56	423.49	424.76
30.00°	379.17	382.87	387.86	392.15	393.29
40.00°	329.53	334.98	342.64	347.67	348.32
50.00°	269.84	276.70	286.23	293.29	296.16
60.00°	200.42	209.11	221.70	229.28	231.62
70.00°	125.73	136.60	150.53	158.12	160.20
80.00°	55.61	67.01	80.71	89.96	93.09
90.00°	8.97	20.27	35.22	45.00	48.02
100.00°	2.14	13.02	27.38	36.49	39.38
110.00°	1.03	11.41	24.73	33.45	36.38
120.00°	0.13	9.27	21.21	28.96	31.68
130.00°	0.01	6.17	17.44	24.23	26.43
140.00°	0.01	2.69	12.96	18.82	20.89
150.00°	0.01	0.29	6.48	12.51	14.36
160.00°	0.01	0.02	0.51	3.28	4.79
170.00°	0.01	0.01	0.01	0.01	0.01
180.00°	0.01	0.01	0.01	0.01	0.01

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	5,894	5,894	5,894
45.00°	5,509	5,084	4,988
55.00°	5,305	4,796	4,701
65.00°	4,956	4,385	4,261
75.00°	4,427	3,772	3,680
85.00°	4,341	3,233	3,236



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	1,804	1,804	1,804	1,804	1,749	1,749	1,749	1,749	1,647	1,647	1,647	1,554	1,554	1,554	1,468	1,468	1,468	1,428
	1	1,632	1,553	1,481	1,417	1,578	1,507	1,442	1,384	1,421	1,368	1,320	1,342	1,299	1,260	1,269	1,235	1,204	1,163
	2	1,479	1,347	1,238	1,146	1,428	1,308	1,208	1,124	1,236	1,152	1,081	1,168	1,100	1,040	1,106	1,050	1,000	961
	3	1,347	1,181	1,052	950	1,299	1,148	1,029	934	1,086	986	903	1,029	945	874	976	906	845	806
	4	1,234	1,046	909	804	1,189	1,018	891	792	965	856	769	916	823	747	871	791	726	688
	5	1,135	935	796	693	1,094	911	781	684	866	753	666	824	726	649	785	700	632	596
	6	1,049	843	705	606	1,012	823	693	599	784	670	585	748	648	571	714	626	558	524
	7	974	766	631	537	941	748	621	531	715	602	519	683	583	508	654	565	497	465
	8	908	701	570	480	878	685	562	476	656	545	466	628	529	457	603	514	448	417
	9	850	645	519	434	822	631	512	430	606	498	422	581	484	414	559	471	407	378
10	798	596	476	395	773	585	469	392	562	457	385	541	446	379	521	434	372	344	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	12 fc	18 ft	22 ft
8 ft	7 fc	24 ft	29 ft
10 ft	4 fc	30 ft	36 ft
12 ft	3 fc	36 ft	43 ft
15 ft	2 fc	45 ft	54 ft