



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-D7-30-80-FWD.5-W

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

Test Number

IES-P00380

Test Date

Fri Oct 08 16:45:17 2021

The results contained in this report pertain only to the tested sample.
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MX2.5-RD-4-D7-30-80-FWD.5-W
MAX2.5 - White Housing - Recessed - Semi-Direct - Frosted White .5" Drop Lens
LED (3000K 80+ CRI)

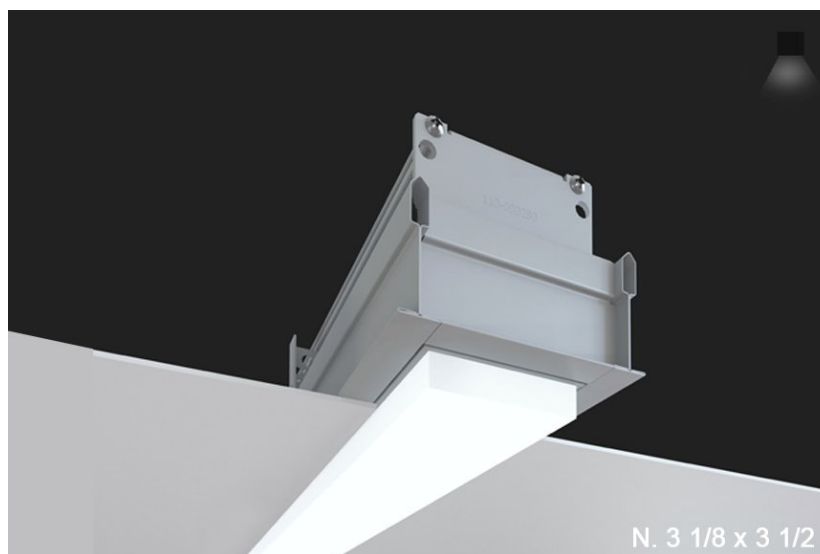


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	35.72 W
Lumens:	3,294.92 lm
Efficiency:	N/A
Efficacy:	90.82 lm/W

Spacing Criterion

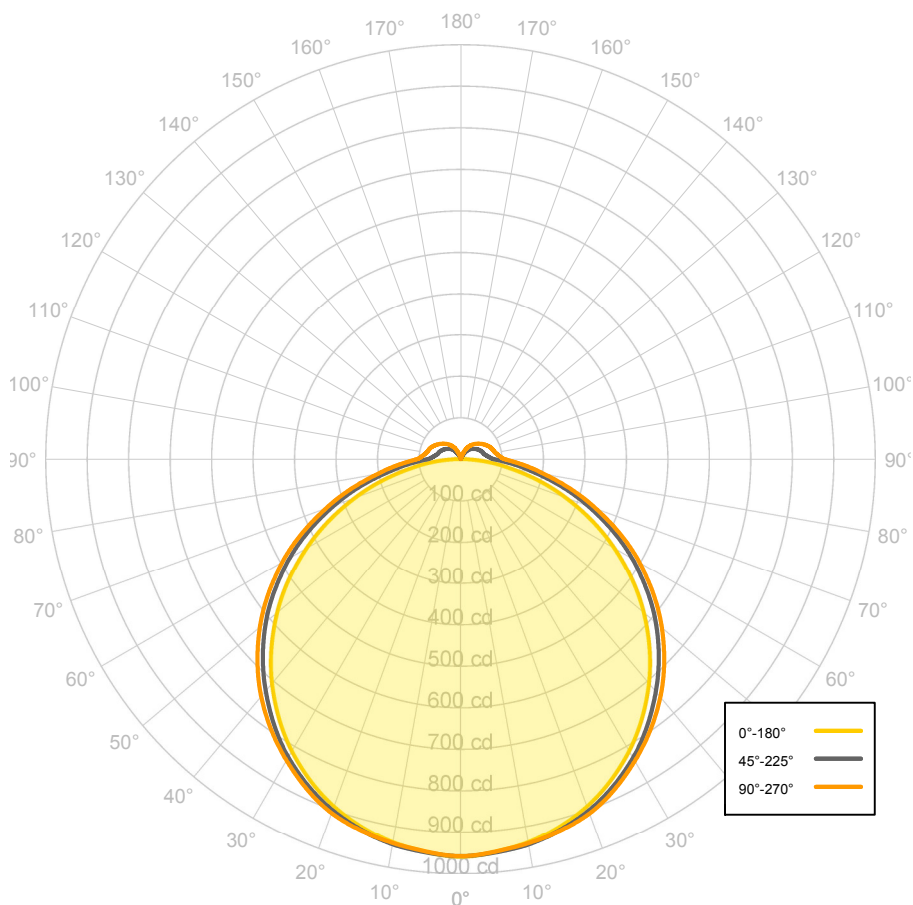
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.3
Four luminaires	1.4

Full Beam Angle

0° - 180°	113.07°
90° - 270°	122.22°

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°	163.21	4.95%	90° - 100°	66.18	2.01%
10° - 20°	258.71	7.85%	100° - 110°	52.60	1.60%
20° - 30°	396.18	12.02%	100° - 120°	96.12	2.92%
30° - 40°	484.52	14.71%	120° - 130°	32.90	1.00%
40° - 50°	513.25	15.58%	130° - 140°	22.22	0.67%
50° - 60°	478.60	14.53%	140° - 150°	12.39	0.38%
60° - 70°	384.87	11.68%	150° - 160°	4.53	0.14%
70° - 80°	252.46	7.66%	160° - 170°	0.63	0.02%
80° - 90°	128.15	3.89%	170° - 180°	0.00	0.00%
0° - 90°	3,059.94	92.87%	0° - 180°	3,294.92	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	959.66	959.66	959.66	959.66	959.66
10.00°	939.29	940.68	945.60	949.59	942.31
20.00°	891.64	895.58	904.32	906.15	911.51
30.00°	813.16	819.63	832.81	839.98	841.80
40.00°	706.84	717.51	732.95	744.56	750.10
50.00°	576.84	592.15	614.77	628.64	633.69
60.00°	428.40	448.33	475.55	491.15	496.82
70.00°	270.14	292.60	322.39	339.26	343.86
80.00°	118.82	143.69	173.34	192.95	199.36
90.00°	19.41	43.70	75.79	96.61	102.65
100.00°	4.49	27.86	58.82	78.30	84.42
110.00°	2.30	24.31	52.98	72.04	77.72
120.00°	0.31	19.97	45.68	62.06	67.61
130.00°	0.03	13.20	37.22	52.12	56.69
140.00°	0.02	5.73	27.97	40.24	45.15
150.00°	0.02	0.60	14.02	27.04	30.58
160.00°	0.02	0.03	1.18	7.15	10.26
170.00°	0.03	0.02	0.02	0.02	0.03
180.00°	0.02	0.02	0.02	0.02	0.02

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	12,606	12,606	12,606
45.00°	11,798	10,896	10,711
55.00°	11,339	10,295	10,069
65.00°	10,615	9,399	9,143
75.00°	9,495	8,086	7,893
85.00°	9,292	6,948	6,926



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	3,867	3,867	3,867	3,867	3,749	3,749	3,749	3,749	3,530	3,530	3,530	3,330	3,330	3,330	3,146	3,146	3,146	3,060
	1	3,497	3,327	3,175	3,037	3,382	3,229	3,091	2,965	3,044	2,932	2,829	2,875	2,784	2,700	2,719	2,647	2,579	2,493
	2	3,171	2,887	2,652	2,456	3,060	2,804	2,589	2,408	2,648	2,469	2,316	2,504	2,357	2,228	2,371	2,251	2,144	2,058
	3	2,887	2,531	2,255	2,035	2,784	2,460	2,206	2,001	2,328	2,113	1,935	2,205	2,024	1,872	2,091	1,940	1,811	1,728
	4	2,643	2,242	1,947	1,723	2,549	2,182	1,909	1,698	2,069	1,834	1,649	1,964	1,763	1,601	1,866	1,696	1,555	1,475
	5	2,432	2,004	1,705	1,484	2,345	1,953	1,674	1,465	1,856	1,614	1,428	1,766	1,556	1,391	1,682	1,501	1,355	1,278
	6	2,248	1,807	1,511	1,298	2,169	1,763	1,485	1,283	1,680	1,435	1,253	1,602	1,388	1,224	1,529	1,342	1,195	1,122
	7	2,087	1,641	1,352	1,150	2,016	1,603	1,331	1,137	1,531	1,289	1,113	1,464	1,249	1,089	1,401	1,211	1,066	996
	8	1,946	1,501	1,221	1,029	1,881	1,468	1,203	1,019	1,405	1,168	999	1,347	1,134	979	1,291	1,101	960	894
	9	1,821	1,381	1,112	930	1,762	1,352	1,096	921	1,298	1,066	904	1,246	1,037	888	1,197	1,009	871	809
10	1,710	1,278	1,019	847	1,657	1,253	1,006	840	1,204	980	825	1,159	955	811	1,116	931	797	738	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	27 fc	18 ft	22 ft
8 ft	15 fc	24 ft	29 ft
10 ft	10 fc	30 ft	36 ft
12 ft	7 fc	36 ft	43 ft
15 ft	4 fc	45 ft	54 ft