



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-D5-30-80-FWD.5-W

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

Test Number

IES-P00379

Test Date

Fri Oct 08 15:34:31 2021

The results contained in this report pertain only to the tested sample.
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MX2.5-RD-4-D5-30-80-FWD.5-W
 MAX2.5 - White Housing - Recessed - Semi-Direct - Frosted White .5" Drop Lens
 LED (3000K 80+ CRI)

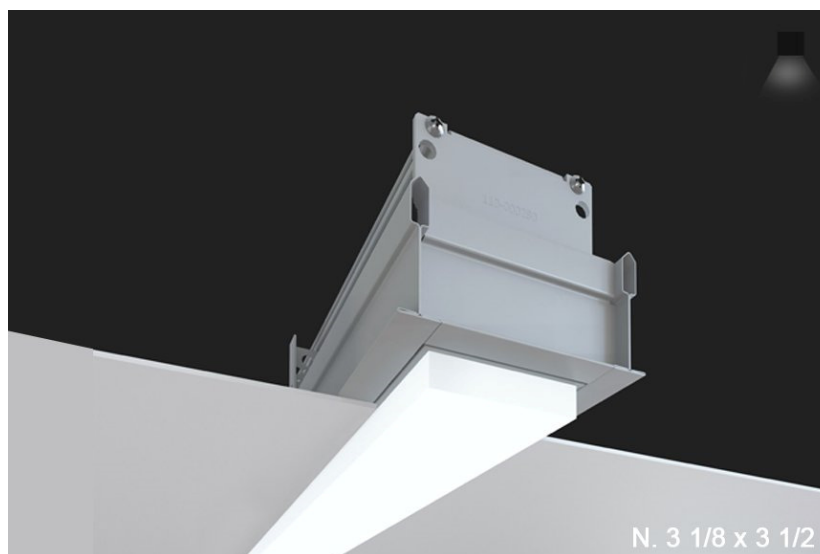


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	23.82 W
Lumens:	2,197.06 lm
Efficiency:	N/A
Efficacy:	90.84 lm/W

Spacing Criterion

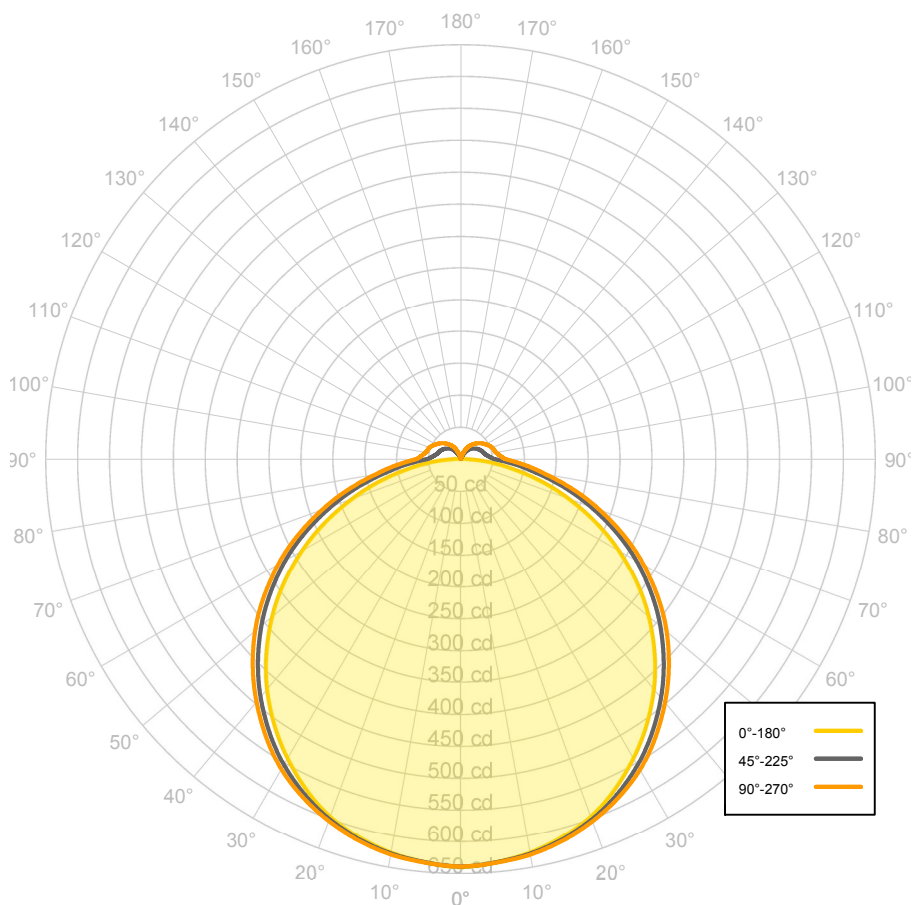
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.3
Four luminaires	1.4

Full Beam Angle

0° - 180°	113.23°
90° - 270°	122.09°

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°	108.83	4.95%	90° - 100°	44.20	2.01%
10° - 20°	172.57	7.85%	100° - 110°	35.08	1.60%
20° - 30°	264.37	12.03%	100° - 120°	64.08	2.92%
30° - 40°	323.13	14.71%	120° - 130°	21.95	1.00%
40° - 50°	342.08	15.57%	130° - 140°	14.84	0.68%
50° - 60°	319.04	14.52%	140° - 150°	8.25	0.38%
60° - 70°	256.56	11.68%	150° - 160°	3.00	0.14%
70° - 80°	168.25	7.66%	160° - 170°	0.43	0.02%
80° - 90°	85.47	3.89%	170° - 180°	0.00	0.00%
0° - 90°	2,040.31	92.87%	0° - 180°	2,197.06	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	640.05	640.05	640.05	640.05	640.05
10.00°	627.10	628.63	629.33	631.05	630.81
20.00°	596.76	598.52	602.50	605.01	605.57
30.00°	541.88	547.30	555.14	560.57	563.15
40.00°	471.51	478.35	488.97	496.03	498.83
50.00°	385.18	395.41	408.88	419.03	421.75
60.00°	286.65	298.36	317.18	327.83	330.55
70.00°	180.30	194.88	214.44	226.07	229.85
80.00°	79.34	95.70	115.74	128.55	132.65
90.00°	12.99	29.04	50.86	64.41	68.59
100.00°	2.97	18.70	39.16	52.40	56.22
110.00°	1.49	16.39	35.13	47.83	51.99
120.00°	0.21	13.16	30.50	41.44	45.27
130.00°	0.02	8.84	24.93	34.54	38.10
140.00°	0.01	3.83	18.72	27.04	29.75
150.00°	0.02	0.44	9.12	17.91	20.34
160.00°	0.02	0.03	0.77	4.83	6.87
170.00°	0.01	0.02	0.01	0.01	0.01
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°	8,407	8,407	8,407
45.00°	7,874	7,259	7,126
55.00°	7,578	6,856	6,700
65.00°	7,096	6,262	6,095
75.00°	6,338	5,386	5,267
85.00°	6,206	4,646	4,615



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	2,578	2,578	2,578	2,578	2,500	2,500	2,500	2,500	2,354	2,354	2,354	2,221	2,221	2,221	2,098	2,098	2,098	2,040
	1	2,332	2,219	2,117	2,025	2,255	2,153	2,061	1,977	2,030	1,955	1,886	1,917	1,857	1,800	1,813	1,765	1,720	1,662
	2	2,114	1,925	1,769	1,637	2,041	1,870	1,727	1,606	1,766	1,647	1,544	1,670	1,571	1,485	1,581	1,501	1,429	1,372
	3	1,925	1,688	1,504	1,357	1,857	1,641	1,471	1,334	1,552	1,409	1,291	1,470	1,350	1,248	1,395	1,294	1,208	1,152
	4	1,763	1,495	1,299	1,149	1,699	1,455	1,273	1,132	1,380	1,223	1,100	1,310	1,176	1,068	1,244	1,131	1,037	983
	5	1,622	1,336	1,137	990	1,564	1,302	1,116	977	1,238	1,076	952	1,178	1,038	927	1,122	1,001	903	852
	6	1,499	1,205	1,007	866	1,447	1,176	990	856	1,120	957	836	1,068	925	816	1,020	895	797	748
	7	1,392	1,095	902	767	1,344	1,069	888	758	1,021	860	742	976	833	726	934	807	711	664
	8	1,298	1,001	814	686	1,254	979	802	679	937	779	666	898	756	653	861	735	640	596
	9	1,214	921	741	620	1,175	902	731	614	865	711	603	831	692	592	798	673	581	540
10	1,141	852	680	565	1,105	835	671	560	803	654	550	773	637	541	744	621	532	492	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	18 fc	18 ft	22 ft
8 ft	10 fc	24 ft	29 ft
10 ft	6 fc	30 ft	36 ft
12 ft	4 fc	36 ft	43 ft
15 ft	3 fc	46 ft	54 ft