



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

MUS-xR-4-D3-I7-30-80-FW-BW-W

MUSE - 4' Up/Downlight - White Housing, Frosted White Lens (Downlight), Bat Wing Lens
(Uplight)

Test Number

IES-P00364

Test Date

Mon Oct 04 11:50:32 2021

The results contained in this report pertain only to the tested sample.
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MUS-xR-4-D3-I7-30-80-FW-BW-W
MUSE - 4' Up/Downlight - White Housing, Frosted White Lens (Downlight), Bat Wing Lens
(Uplight)
LED (3000K 80+ CRI)



Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	37.2 W
Lumens:	4,471.82 lm
Efficiency:	N/A
Efficacy:	118.36 lm/W

Spacing Criterion

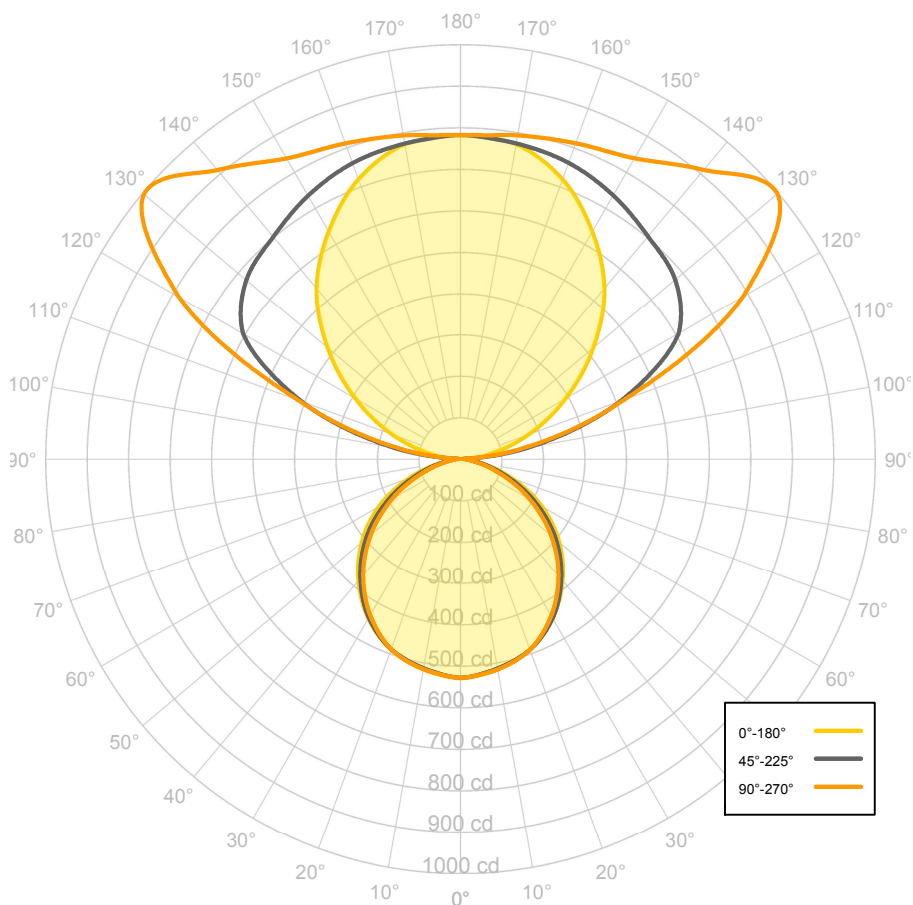
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.23
Four luminaires	1.34

Full Beam Angle

0° - 180°	273.27°
90° - 270°	224.13°

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°	89.45	2.00%	90° - 100°	82.14	1.84%
10° - 20°	140.48	3.14%	100° - 110°	258.22	5.77%
20° - 30°	212.58	4.75%	100° - 120°	710.50	15.89%
30° - 40°	253.62	5.67%	120° - 130°	562.62	12.58%
40° - 50°	257.72	5.76%	130° - 140°	541.12	12.10%
50° - 60°	223.50	5.00%	140° - 150°	450.61	10.08%
60° - 70°	155.75	3.48%	150° - 160°	342.65	7.66%
70° - 80°	76.15	1.70%	160° - 170°	216.15	4.83%
80° - 90°	23.12	0.52%	170° - 180°	133.67	2.99%
0° - 90°	1,432.36	32.03%	0° - 180°	4,471.82	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	528.70	528.70	528.70	528.70	528.70
10.00°	515.17	515.37	514.16	515.63	516.38
20.00°	489.58	486.89	489.98	487.16	490.03
30.00°	444.23	445.23	443.82	439.34	437.13
40.00°	382.84	384.84	377.38	368.88	366.85
50.00°	311.03	311.04	298.30	287.38	283.07
60.00°	227.42	221.69	205.83	193.36	189.02
70.00°	130.92	124.89	109.62	99.06	95.04
80.00°	46.65	41.35	32.89	27.95	26.38
90.00°	7.93	11.79	9.60	4.81	4.21
100.00°	69.15	112.88	176.63	173.26	158.24
110.00°	174.17	246.85	413.39	444.22	423.00
120.00°	291.78	372.51	607.77	771.10	790.03
130.00°	417.77	485.17	675.09	905.42	997.40
140.00°	539.77	579.84	702.33	836.54	910.97
150.00°	635.29	655.54	735.13	799.29	838.00
160.00°	719.33	723.57	760.64	790.05	810.89
170.00°	772.00	767.08	773.34	782.86	793.10
180.00°	782.06	782.06	782.06	782.06	782.06

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	4,224	4,224	4,224
45.00°	3,621	2,162	1,836
55.00°	3,355	1,677	1,354
65.00°	2,878	1,129	854
75.00°	2,096	570	396
85.00°	1,288	200	113



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pfc	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%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
RCR	0	4,600	4,600	4,600	4,600	4,140	4,140	4,140	4,140	3,280	3,280	3,280	2,494	2,494	2,494	1,772	1,772	1,772
	1	4,199	4,013	3,846	3,696	3,773	3,618	3,479	3,352	2,879	2,784	2,698	2,199	2,139	2,083	1,573	1,538	1,506
	2	3,827	3,511	3,249	3,029	3,434	3,170	2,948	2,761	2,529	2,375	2,243	1,938	1,837	1,749	1,392	1,331	1,277
	3	3,493	3,088	2,775	2,525	3,132	2,792	2,525	2,309	2,234	2,045	1,889	1,717	1,590	1,484	1,238	1,160	1,093
	4	3,195	2,733	2,394	2,135	2,865	2,474	2,183	1,958	1,985	1,776	1,611	1,532	1,389	1,274	1,109	1,020	946
	5	2,931	2,432	2,084	1,827	2,629	2,205	1,904	1,679	1,776	1,557	1,389	1,375	1,224	1,105	1,002	905	827
	6	2,698	2,178	1,830	1,580	2,421	1,978	1,675	1,455	1,598	1,375	1,209	1,243	1,087	968	911	810	731
	7	2,491	1,962	1,620	1,379	2,237	1,785	1,485	1,273	1,447	1,224	1,062	1,130	973	855	833	730	651
	8	2,309	1,778	1,444	1,215	2,076	1,619	1,327	1,123	1,317	1,098	941	1,034	877	762	767	663	586
	9	2,147	1,620	1,297	1,079	1,933	1,478	1,193	999	1,206	991	841	951	796	685	710	606	531
	10	2,004	1,483	1,172	965	1,806	1,355	1,080	895	1,110	901	757	879	727	620	660	558	484

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	15 fc	0 ft	0 ft
8 ft	8 fc	0 ft	0 ft
10 ft	5 fc	0 ft	0 ft
12 ft	4 fc	0 ft	0 ft
15 ft	2 fc	0 ft	0 ft