



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-D5-I5-30-80-FW-BW-W

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

Test Number

IES-P00367

Test Date

Mon Oct 04 09:46:41 2021

The results contained in this report pertain only to the tested sample.
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MUS-xR-4-D5-I5-30-80-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:	35.33 W
Lumens:	4,072.50 lm
Efficiency:	N/A
Efficacy:	113.37 lm/W

Spacing Criterion

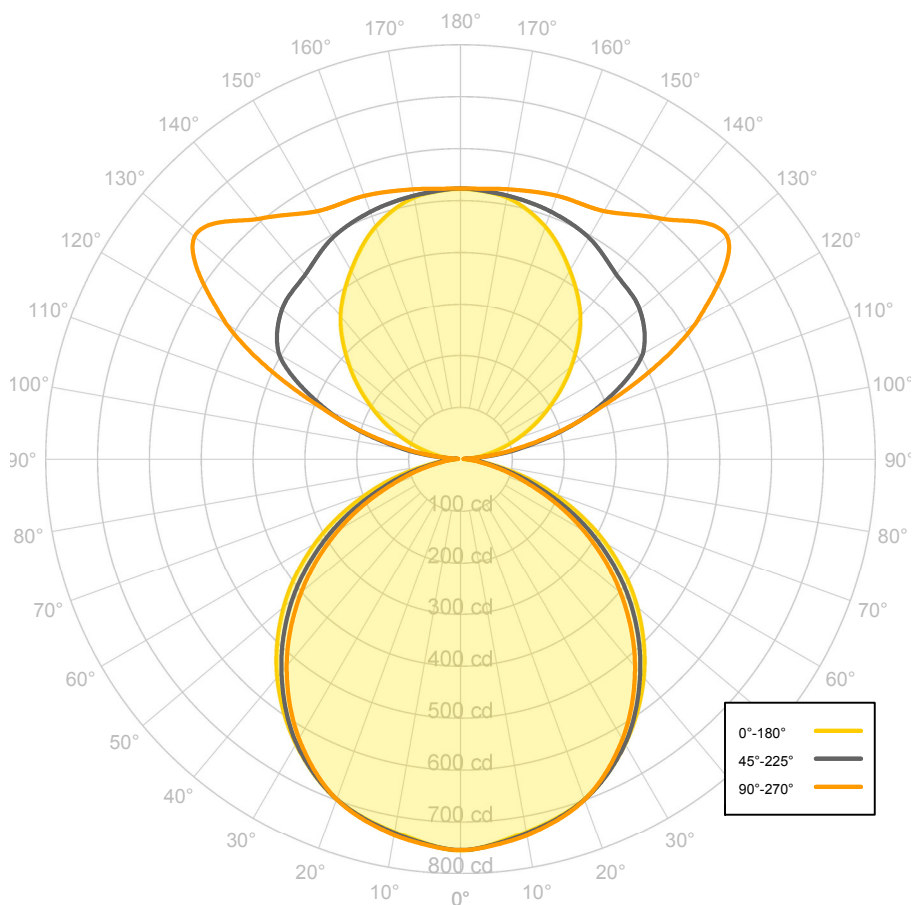
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.21
Four luminaires	1.34

Full Beam Angle

0° - 180°	285.87°
90° - 270°	227.81°

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°	127.78	3.14%	90° - 100°	55.88	1.37%
10° - 20°	201.04	4.94%	100° - 110°	172.45	4.23%
20° - 30°	304.14	7.47%	100° - 120°	473.93	11.64%
30° - 40°	362.64	8.90%	120° - 130°	374.84	9.20%
40° - 50°	368.22	9.04%	130° - 140°	360.39	8.85%
50° - 60°	319.36	7.84%	140° - 150°	299.86	7.36%
60° - 70°	222.94	5.47%	150° - 160°	228.37	5.61%
70° - 80°	108.87	2.67%	160° - 170°	144.17	3.54%
80° - 90°	30.79	0.76%	170° - 180°	89.26	2.19%
0° - 90°	2,045.80	50.23%	0° - 180°	4,072.50	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	756.14	756.14	756.14	756.14	756.14
10.00°	730.84	733.93	734.92	738.00	738.33
20.00°	698.21	700.27	700.44	700.05	700.60
30.00°	634.94	635.84	635.23	626.63	625.02
40.00°	550.12	550.84	539.17	527.86	523.53
50.00°	445.17	442.92	425.94	410.03	403.24
60.00°	323.95	318.14	294.85	277.00	270.39
70.00°	189.14	178.48	157.01	141.30	135.03
80.00°	67.02	58.99	46.79	39.71	37.85
90.00°	7.86	9.92	8.45	5.20	4.99
100.00°	46.30	75.18	117.76	115.31	105.25
110.00°	116.97	165.24	275.35	296.73	284.36
120.00°	195.28	247.61	406.08	511.55	524.39
130.00°	279.21	322.37	450.64	602.16	670.47
140.00°	359.89	384.95	466.24	556.79	605.40
150.00°	421.83	436.10	493.88	532.89	552.57
160.00°	478.52	482.33	508.22	526.07	540.99
170.00°	513.82	512.41	516.49	522.99	528.77
180.00°	522.48	522.48	522.48	522.48	522.48

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	6,041	6,041	6,041
45.00°	5,195	3,088	2,618
55.00°	4,792	2,398	1,932
65.00°	4,121	1,617	1,219
75.00°	3,023	816	564
85.00°	1,767	260	158



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	4,366	4,366	4,366	4,366	4,028	4,028	4,028	4,028	3,399	3,399	3,399	2,823	2,823	2,823	2,294	2,294	2,294	2,046
	1	3,994	3,821	3,666	3,526	3,680	3,533	3,400	3,280	2,994	2,898	2,810	2,499	2,432	2,370	2,042	1,998	1,956	1,742
	2	3,644	3,348	3,103	2,897	3,354	3,100	2,888	2,708	2,634	2,477	2,342	2,205	2,092	1,993	1,808	1,730	1,660	1,473
	3	3,329	2,950	2,656	2,422	3,062	2,735	2,478	2,271	2,331	2,137	1,978	1,957	1,815	1,696	1,609	1,509	1,423	1,258
	4	3,050	2,616	2,298	2,056	2,805	2,429	2,150	1,933	2,076	1,863	1,693	1,749	1,589	1,460	1,444	1,329	1,233	1,087
	5	2,803	2,336	2,009	1,768	2,579	2,172	1,883	1,667	1,863	1,639	1,467	1,575	1,405	1,272	1,306	1,181	1,081	950
	6	2,585	2,099	1,773	1,538	2,380	1,955	1,664	1,453	1,682	1,455	1,285	1,428	1,253	1,120	1,189	1,059	958	840
	7	2,393	1,898	1,577	1,352	2,205	1,771	1,483	1,279	1,529	1,302	1,136	1,302	1,126	995	1,090	957	856	751
	8	2,223	1,726	1,414	1,199	2,051	1,613	1,332	1,137	1,398	1,174	1,014	1,195	1,020	892	1,005	872	772	677
	9	2,073	1,579	1,277	1,073	1,915	1,478	1,205	1,019	1,285	1,065	912	1,103	930	806	931	799	701	615
10	1,939	1,452	1,161	967	1,793	1,361	1,097	920	1,187	973	826	1,023	853	733	867	736	642	563	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	21 fc	0 ft	0 ft
8 ft	12 fc	0 ft	0 ft
10 ft	8 fc	0 ft	0 ft
12 ft	5 fc	0 ft	0 ft
15 ft	3 fc	0 ft	0 ft