



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-I3-30-80-FW-BW-W

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

Test Number

IES-P00366

Test Date

Mon Oct 04 10:25:37 2021

The results contained in this report pertain only to the tested sample.
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MUS-xR-4-D5-I3-30-80-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:	30.92 W
Lumens:	3,463.83 lm
Efficiency:	N/A
Efficacy:	110.12 lm/W

Spacing Criterion

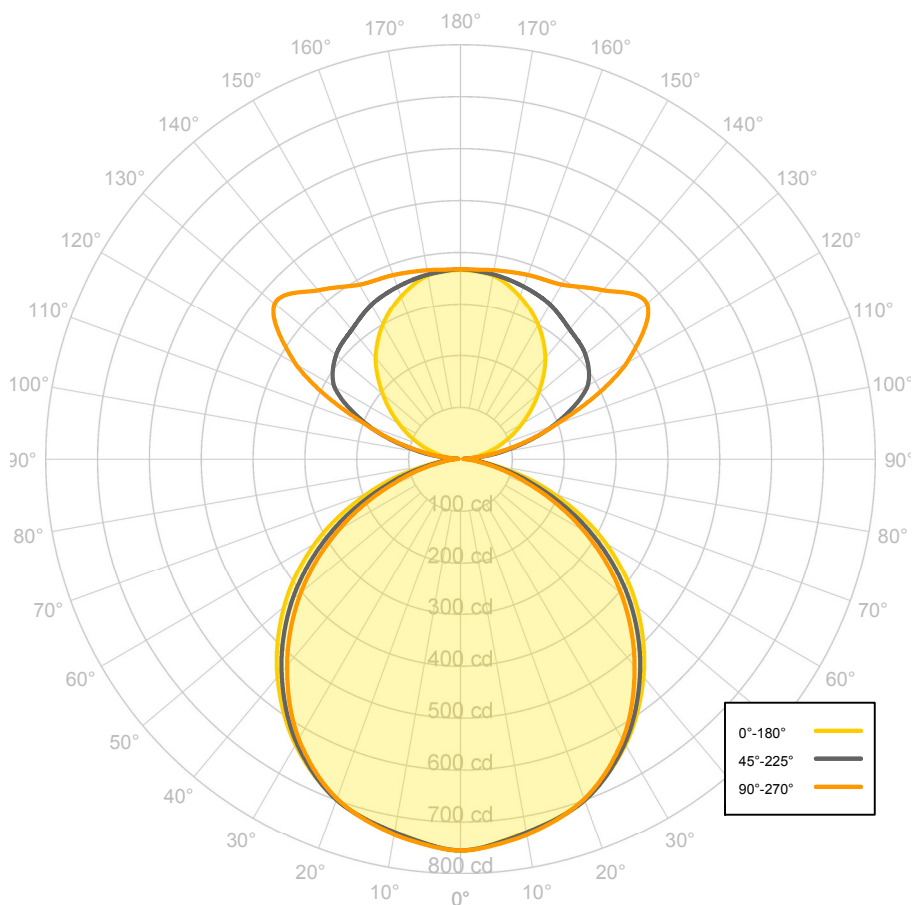
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.23
Four luminaires	1.34

Full Beam Angle

0° - 180°	110.93°
90° - 270°	319.33°

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	3.69%	90° - 100°	39.88	1.15%
10° - 20°	201.01	5.80%	100° - 110°	120.76	3.49%
20° - 30°	304.33	8.79%	100° - 120°	331.95	9.58%
30° - 40°	362.31	10.46%	120° - 130°	262.49	7.58%
40° - 50°	367.62	10.61%	130° - 140°	252.39	7.29%
50° - 60°	318.88	9.21%	140° - 150°	210.30	6.07%
60° - 70°	222.55	6.42%	150° - 160°	159.92	4.62%
70° - 80°	108.92	3.14%	160° - 170°	100.72	2.91%
80° - 90°	30.32	0.88%	170° - 180°	62.47	1.80%
0° - 90°	2,043.71	59.00%	0° - 180°	3,463.83	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	756.75	756.75	756.75	756.75	756.75
10.00°	731.45	734.95	733.31	736.65	737.37
20.00°	698.75	699.83	701.67	700.17	699.14
30.00°	636.47	637.10	634.31	627.50	626.00
40.00°	549.07	548.55	538.81	526.12	522.17
50.00°	444.02	442.78	425.53	409.68	403.99
60.00°	323.89	316.39	293.97	276.72	270.08
70.00°	188.56	177.95	157.53	141.17	135.43
80.00°	66.52	59.18	47.27	39.95	37.59
90.00°	7.14	8.09	7.14	4.88	4.71
100.00°	32.24	52.74	82.99	80.63	73.73
110.00°	81.25	115.05	192.62	208.99	198.20
120.00°	136.14	173.70	283.34	358.96	370.05
130.00°	195.09	226.36	314.00	422.14	468.43
140.00°	254.44	268.75	326.81	390.15	425.33
150.00°	299.40	305.78	344.15	374.08	388.62
160.00°	335.09	337.28	354.02	367.56	378.02
170.00°	361.02	357.38	361.64	364.53	370.03
180.00°	366.27	366.27	366.27	366.27	366.27

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	6,046	6,046	6,046
45.00°	5,183	3,086	2,616
55.00°	4,785	2,394	1,933
65.00°	4,116	1,616	1,219
75.00°	3,011	820	564
85.00°	1,738	256	156



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	3,785	3,785	3,785	3,785	3,532	3,532	3,532	3,532	3,060	3,060	3,060	2,627	2,627	2,627	2,230	2,230	2,230	2,044
	1	3,467	3,318	3,185	3,065	3,230	3,103	2,987	2,883	2,699	2,614	2,535	2,328	2,266	2,209	1,986	1,943	1,903	1,740
	2	3,164	2,909	2,698	2,521	2,945	2,724	2,539	2,382	2,376	2,236	2,115	2,055	1,951	1,860	1,759	1,683	1,616	1,472
	3	2,892	2,565	2,312	2,110	2,690	2,405	2,181	2,001	2,104	1,931	1,788	1,825	1,694	1,583	1,566	1,469	1,385	1,257
	4	2,652	2,277	2,004	1,794	2,466	2,139	1,895	1,706	1,876	1,685	1,533	1,633	1,485	1,365	1,406	1,294	1,202	1,086
	5	2,439	2,036	1,755	1,547	2,270	1,915	1,663	1,474	1,685	1,485	1,331	1,472	1,314	1,191	1,272	1,151	1,054	950
	6	2,252	1,833	1,551	1,349	2,097	1,726	1,473	1,288	1,524	1,320	1,168	1,336	1,174	1,050	1,159	1,033	934	840
	7	2,087	1,660	1,383	1,189	1,945	1,566	1,316	1,138	1,387	1,184	1,036	1,220	1,057	935	1,063	934	836	750
	8	1,940	1,513	1,243	1,058	1,811	1,429	1,184	1,014	1,270	1,070	926	1,121	959	840	980	851	754	676
	9	1,811	1,386	1,126	950	1,692	1,312	1,074	911	1,169	973	835	1,035	875	760	909	781	686	615
10	1,696	1,277	1,026	859	1,587	1,210	980	825	1,082	891	759	961	804	693	847	720	628	563	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	21 fc	17 ft	-4 ft
8 ft	12 fc	23 ft	-6 ft
10 ft	8 fc	29 ft	-7 ft
12 ft	5 fc	35 ft	-9 ft
15 ft	3 fc	44 ft	-11 ft