



PICASSO LIGHTING INDUSTRIES, LLC
46 Sellers Street, Kearny, NJ 07032
201.246.8188

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

BLD-4-PR-4-D5-I5-30-80-FW-W

Blade 4" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens

Test Number

IES-P00238

Test Date

Mon Oct 07 10:07:56 2019

The results contained in this report pertain only to the tested sample.
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BLD-4-PR-4-D5-I5-30-80-FW-W
Blade 4" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens
LED (3000K 80+ CRI)

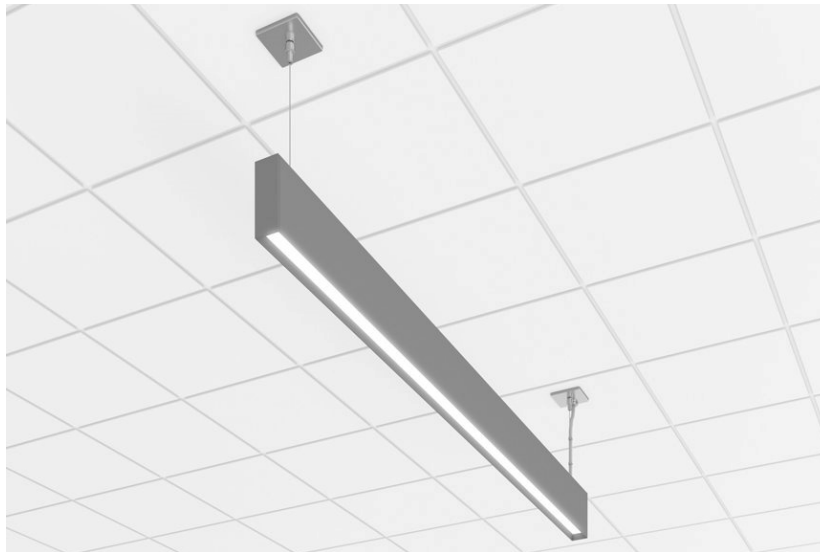


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	44.49 W
Lumens:	4,098.88 lm
Efficiency:	N/A
Efficacy:	90.01 lm/W

Spacing Criterion

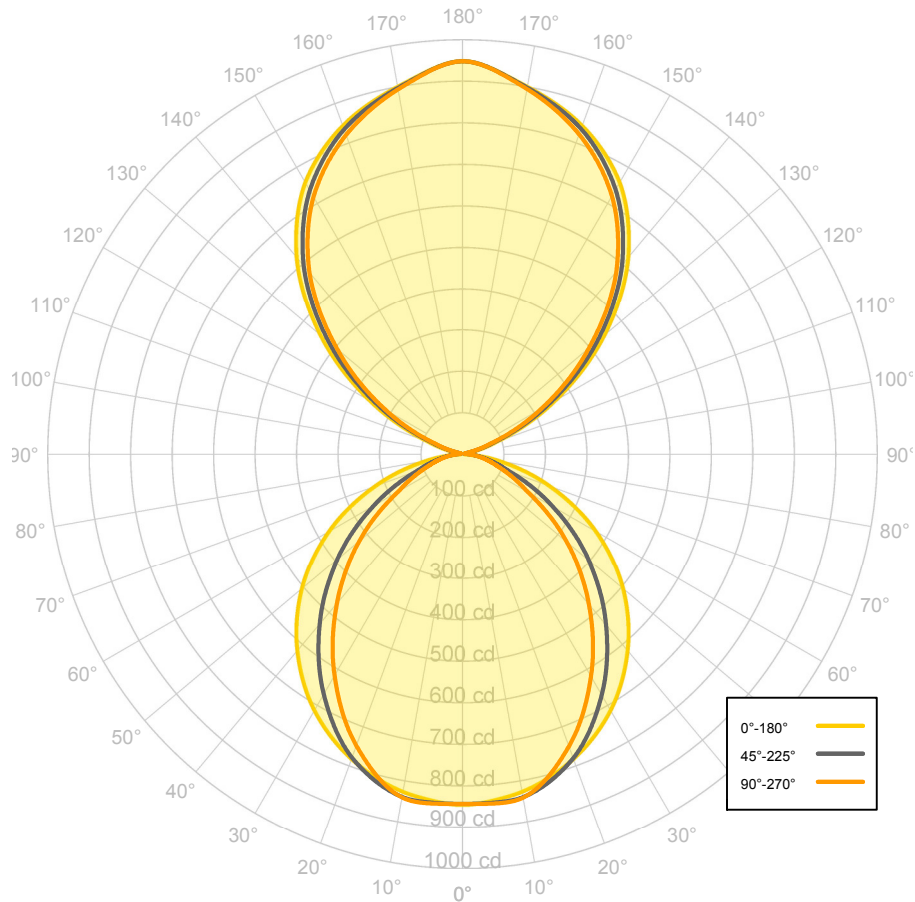
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.11
Four luminaires	1.26

Full Beam Angle

0° - 180°	263.09°
90° - 270°	268.48°

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°	144.32	3.52%	90° - 100°	5.65	0.14%
10° - 20°	225.07	5.49%	100° - 110°	43.27	1.06%
20° - 30°	329.41	8.04%	100° - 120°	196.38	4.79%
30° - 40°	375.59	9.16%	120° - 130°	290.96	7.10%
40° - 50°	361.58	8.82%	130° - 140°	388.80	9.49%
50° - 60°	292.78	7.14%	140° - 150°	412.99	10.08%
60° - 70°	192.06	4.69%	150° - 160°	358.30	8.74%
70° - 80°	96.22	2.35%	160° - 170°	241.54	5.89%
80° - 90°	29.39	0.72%	170° - 180°	157.83	3.85%
0° - 90°	2,046.43	49.93%	0° - 180°	4,098.88	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	845.79	845.79	845.79	845.79	845.79
10.00°	826.80	832.53	842.04	839.22	843.24
20.00°	782.31	797.28	781.78	760.70	751.10
30.00°	713.99	716.64	671.51	632.54	619.37
40.00°	619.35	602.75	537.91	490.65	473.31
50.00°	505.39	468.57	394.79	342.13	324.67
60.00°	371.45	323.30	245.65	193.08	176.43
70.00°	223.56	175.73	112.63	92.74	90.60
80.00°	86.16	55.45	42.58	39.48	39.17
90.00°	5.45	4.25	4.27	4.21	4.23
100.00°	6.23	5.97	6.09	5.97	5.81
110.00°	85.78	83.11	77.62	72.29	70.44
120.00°	256.69	251.94	238.42	224.44	221.26
130.00°	446.99	441.81	424.26	407.55	397.90
140.00°	622.02	615.98	598.75	582.54	577.31
150.00°	757.93	749.55	737.55	725.88	719.83
160.00°	843.76	842.40	835.11	826.88	821.07
170.00°	900.28	899.18	897.77	893.55	894.47
180.00°	948.00	948.00	948.00	948.00	948.00

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,506	21,506	21,506
45.00°	18,757	5,335	3,630
55.00°	17,484	3,496	2,129
65.00°	15,331	1,926	1,096
75.00°	11,779	847	530
85.00°	7,059	268	182



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pf_c	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
	pc_c	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%
RCR	0	4,391	4,391	4,391	4,391	4,050	4,050	4,050	4,050	3,414	3,414	3,414	2,832	2,832	2,832	2,298	2,298	2,298	2,046
	1	4,025	3,855	3,702	3,564	3,709	3,564	3,433	3,315	3,020	2,926	2,840	2,519	2,454	2,394	2,058	2,015	1,975	1,760
	2	3,681	3,389	3,148	2,945	3,389	3,139	2,930	2,754	2,669	2,516	2,383	2,236	2,126	2,030	1,835	1,760	1,693	1,505
	3	3,371	2,996	2,707	2,476	3,102	2,780	2,527	2,324	2,372	2,183	2,027	1,994	1,856	1,740	1,644	1,547	1,464	1,298
	4	3,094	2,666	2,352	2,113	2,848	2,477	2,202	1,989	2,121	1,912	1,745	1,791	1,635	1,509	1,483	1,372	1,279	1,133
	5	2,849	2,387	2,064	1,826	2,623	2,222	1,936	1,723	1,909	1,689	1,520	1,619	1,453	1,323	1,347	1,227	1,130	999
	6	2,631	2,150	1,827	1,595	2,425	2,005	1,717	1,509	1,730	1,505	1,338	1,472	1,301	1,171	1,232	1,106	1,007	890
	7	2,439	1,948	1,630	1,407	2,250	1,820	1,536	1,334	1,576	1,352	1,189	1,347	1,175	1,046	1,133	1,004	905	800
	8	2,268	1,776	1,466	1,253	2,095	1,662	1,383	1,190	1,444	1,223	1,065	1,240	1,067	942	1,047	917	820	725
	9	2,117	1,627	1,327	1,125	1,958	1,525	1,255	1,070	1,330	1,113	961	1,146	976	854	973	844	748	662
	10	1,982	1,499	1,209	1,017	1,836	1,407	1,145	969	1,231	1,020	874	1,065	898	780	908	780	687	608

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	23 fc	0 ft	0 ft
8 ft	13 fc	0 ft	0 ft
10 ft	8 fc	0 ft	0 ft
12 ft	6 fc	0 ft	0 ft
15 ft	4 fc	0 ft	0 ft