



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-PD-4-D5-I3-30-80-FW-W

Blade 4" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens

Test Number

IES-P00243

Test Date

Mon Oct 07 15:42:16 2019

The results contained in this report pertain only to the tested sample.
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BLD-4-PD-4-D5-I3-30-80-FW-W

Blade 4" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens
LED (3000K 80+ CRI)

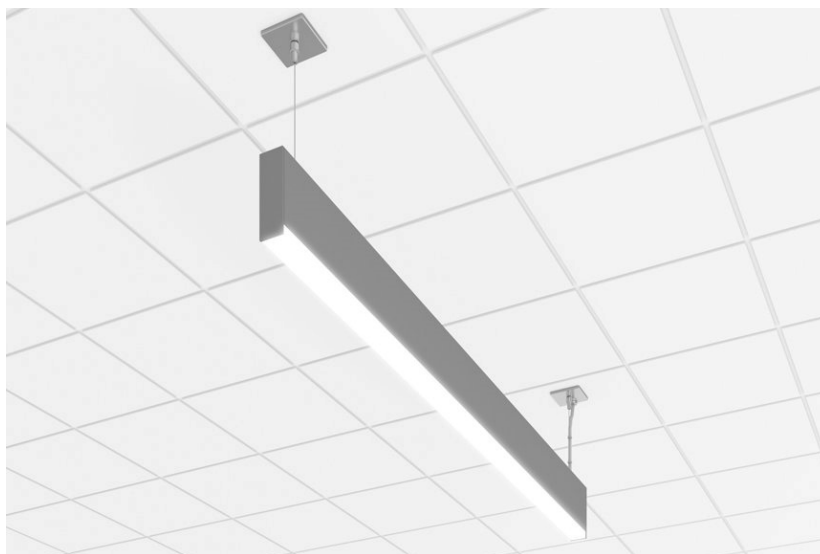


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	39.79 W
Lumens:	3,468.50 lm
Efficiency:	N/A
Efficacy:	85.64 lm/W

Spacing Criterion

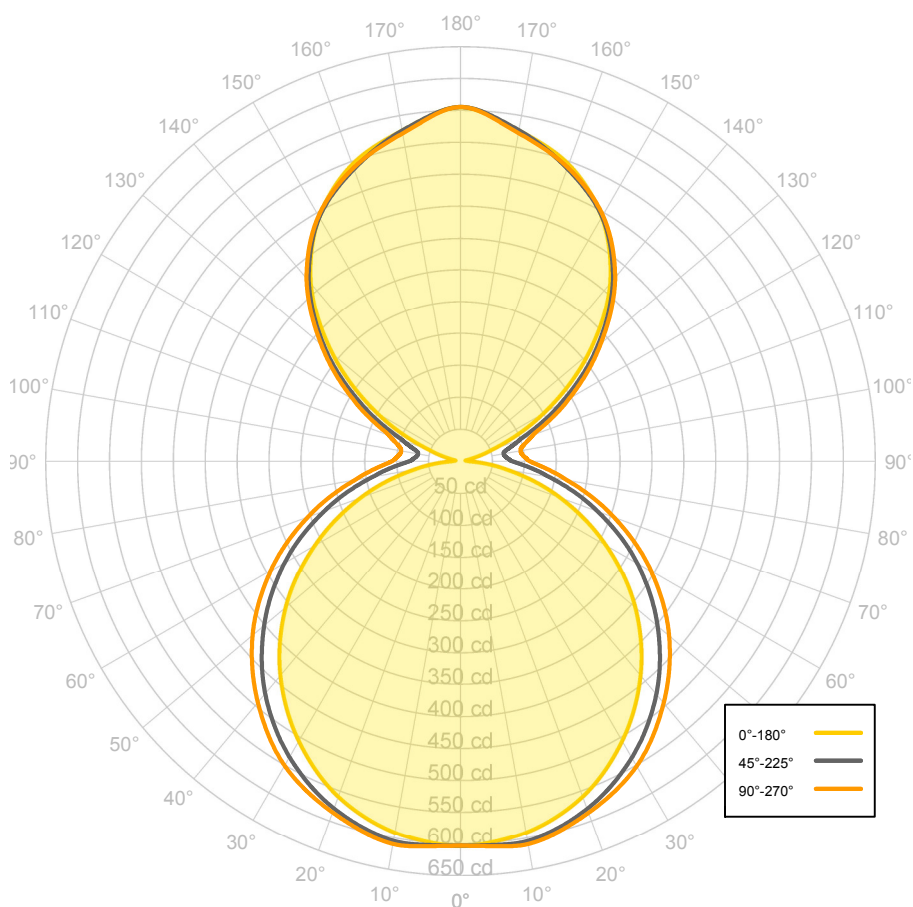
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.34
Four luminaires	1.43

Full Beam Angle

0° - 180°	268.48°
90° - 270°	264.09°

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°	103.57	2.99%	90° - 100°	71.24	2.05%
10° - 20°	165.78	4.78%	100° - 110°	80.68	2.33%
20° - 30°	254.81	7.35%	100° - 120°	213.45	6.15%
30° - 40°	312.84	9.02%	120° - 130°	200.83	5.79%
40° - 50°	333.49	9.61%	130° - 140°	246.50	7.11%
50° - 60°	315.04	9.08%	140° - 150°	251.54	7.25%
60° - 70°	260.59	7.51%	150° - 160°	213.17	6.15%
70° - 80°	182.52	5.26%	160° - 170°	141.95	4.09%
80° - 90°	108.66	3.13%	170° - 180°	92.52	2.67%
0° - 90°	2,037.29	58.74%	0° - 180°	3,468.50	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	604.25	604.25	604.25	604.25	604.25
10.00°	591.76	594.87	605.86	609.97	610.76
20.00°	559.82	572.83	581.37	587.76	587.90
30.00°	506.75	523.50	537.60	547.37	552.98
40.00°	439.05	455.81	477.71	490.85	495.61
50.00°	357.68	376.21	403.24	420.83	426.82
60.00°	263.51	288.11	318.87	337.55	344.39
70.00°	166.28	191.73	226.10	247.07	253.89
80.00°	73.21	101.69	137.92	159.32	166.61
90.00°	13.95	42.74	78.77	100.91	106.69
100.00°	7.84	33.55	67.87	88.46	94.93
110.00°	51.60	71.77	99.82	116.12	121.55
120.00°	150.61	163.92	182.27	193.64	197.21
130.00°	261.59	267.63	280.14	286.04	286.98
140.00°	364.90	363.90	371.50	374.27	376.95
150.00°	442.95	439.97	443.10	443.97	445.58
160.00°	495.87	492.87	488.21	489.03	490.27
170.00°	526.71	529.44	526.77	523.58	522.24
180.00°	555.39	555.39	555.39	555.39	555.39

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	15,364	15,364	15,364
45.00°	13,160	4,619	3,816
55.00°	12,223	3,582	2,958
65.00°	10,866	2,640	2,201
75.00°	8,842	1,777	1,531
85.00°	6,319	1,099	1,016



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	3,788	3,788	3,788	3,788	3,534	3,534	3,534	3,534	3,059	3,059	3,059	2,624	2,624	2,624	2,225	2,225	2,225	2,037
	1	3,420	3,251	3,099	2,962	3,180	3,033	2,900	2,780	2,625	2,525	2,433	2,250	2,176	2,107	1,905	1,851	1,801	1,635
	2	3,100	2,820	2,588	2,393	2,877	2,632	2,428	2,255	2,280	2,123	1,988	1,956	1,837	1,733	1,655	1,568	1,490	1,341
	3	2,821	2,469	2,196	1,979	2,615	2,306	2,064	1,870	2,001	1,812	1,657	1,719	1,574	1,452	1,457	1,348	1,254	1,121
	4	2,578	2,180	1,889	1,667	2,389	2,040	1,780	1,579	1,774	1,568	1,406	1,527	1,367	1,237	1,298	1,175	1,074	954
	5	2,366	1,942	1,645	1,427	2,193	1,819	1,553	1,354	1,586	1,373	1,210	1,370	1,202	1,070	1,168	1,038	933	825
	6	2,180	1,742	1,448	1,237	2,023	1,634	1,369	1,176	1,430	1,215	1,055	1,239	1,068	937	1,060	926	820	723
	7	2,017	1,574	1,286	1,085	1,873	1,479	1,218	1,033	1,298	1,085	930	1,129	957	829	970	834	730	642
	8	1,874	1,431	1,152	961	1,742	1,346	1,093	916	1,186	977	828	1,035	865	741	893	757	655	575
9	1,747	1,309	1,040	858	1,626	1,233	988	820	1,090	886	743	954	788	668	826	692	593	520	
10	1,635	1,203	945	773	1,524	1,136	899	740	1,007	809	673	884	722	607	769	637	541	474	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	17 fc	0 ft	0 ft
8 ft	9 fc	0 ft	0 ft
10 ft	6 fc	0 ft	0 ft
12 ft	4 fc	0 ft	0 ft
15 ft	3 fc	0 ft	0 ft