



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-2-PR-4-D5-I3-30-80-FW-W

Blade 2" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens

Test Number

IES-P00231

Test Date

Fri Oct 04 10:59:33 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PR-4-D5-I3-30-80-FW-W

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

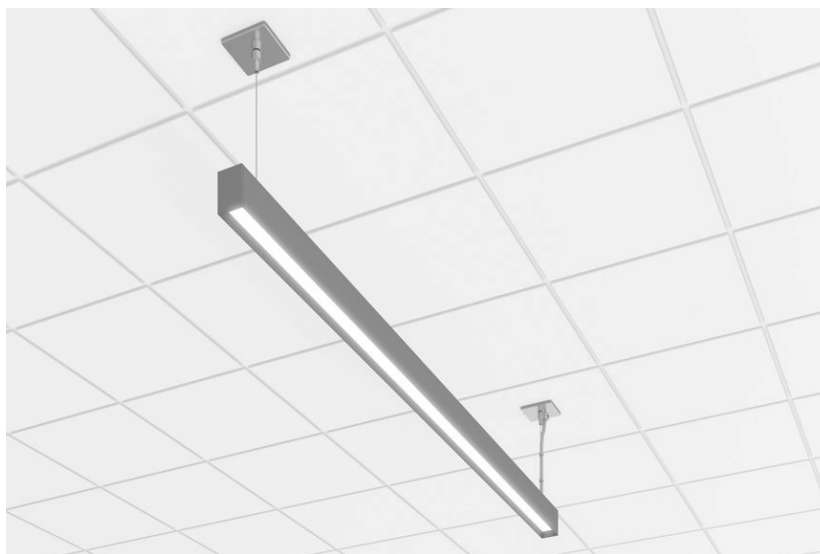


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	38.29 W
Lumens:	3,484.25 lm
Efficiency:	N/A
Efficacy:	88.95 lm/W

Spacing Criterion

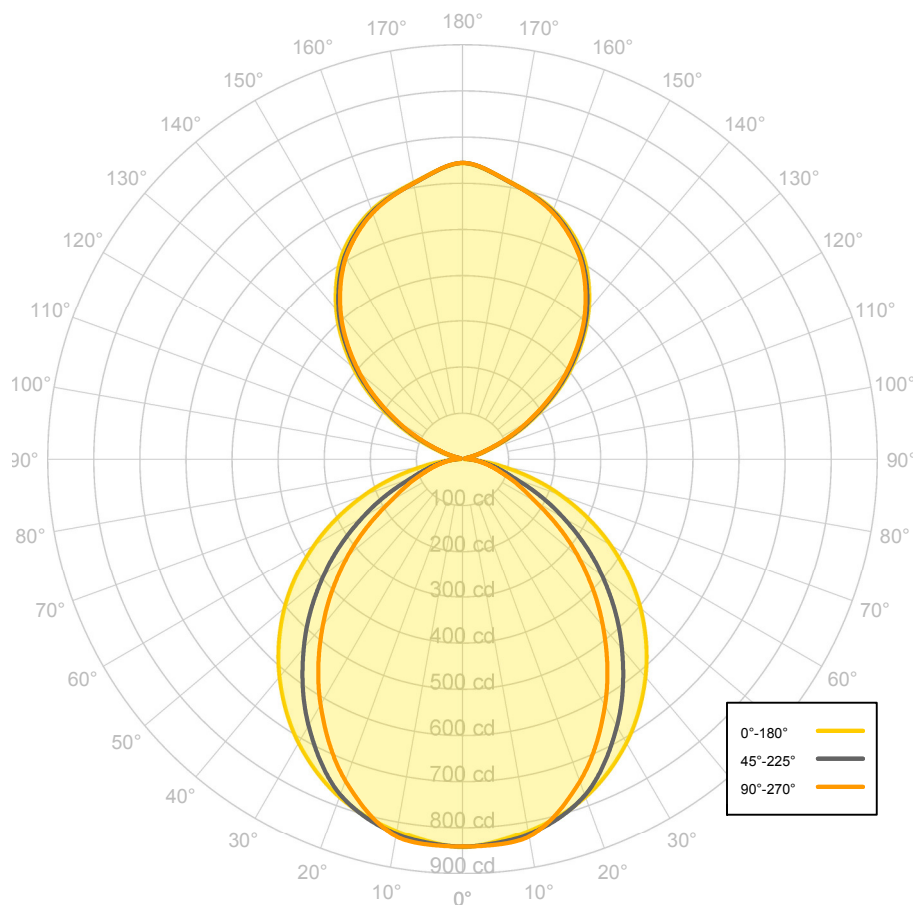
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.11
Four luminaires	1.26

Full Beam Angle

0° - 180°	279.11°
90° - 270°	281.82°

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°	143.19	4.11%	90° - 100°	4.98	0.14%
10° - 20°	223.15	6.40%	100° - 110°	31.96	0.92%
20° - 30°	328.10	9.42%	100° - 120°	143.10	4.11%
30° - 40°	375.31	10.77%	120° - 130°	208.16	5.97%
40° - 50°	361.90	10.39%	130° - 140°	274.29	7.87%
50° - 60°	293.60	8.43%	140° - 150°	288.01	8.27%
60° - 70°	193.13	5.54%	150° - 160°	247.44	7.10%
70° - 80°	97.31	2.79%	160° - 170°	165.27	4.74%
80° - 90°	30.03	0.86%	170° - 180°	107.27	3.08%
0° - 90°	2,045.72	58.71%	0° - 180°	3,484.25	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	842.92	842.92	842.92	842.92	842.92
10.00°	820.49	821.68	828.75	833.02	833.23
20.00°	780.21	789.10	777.77	755.28	745.54
30.00°	711.30	715.18	670.41	632.57	618.23
40.00°	617.67	603.03	538.00	491.25	473.57
50.00°	504.34	470.92	395.48	342.58	324.31
60.00°	371.00	325.15	247.55	194.00	176.53
70.00°	226.74	178.22	113.43	92.32	90.02
80.00°	87.76	57.03	43.57	40.25	38.99
90.00°	5.81	4.37	4.38	4.42	4.32
100.00°	4.42	4.35	4.65	4.76	4.86
110.00°	59.83	59.23	57.16	55.31	55.12
120.00°	178.62	175.83	171.92	168.67	166.01
130.00°	309.83	306.71	301.80	295.35	294.98
140.00°	426.68	424.54	419.96	415.11	412.88
150.00°	519.26	515.39	511.22	508.67	507.29
160.00°	576.47	574.91	572.07	569.52	569.81
170.00°	610.82	614.90	608.54	609.13	608.84
180.00°	643.13	643.13	643.13	643.13	643.13

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,349	21,349	21,349
45.00°	19,290	7,817	5,563
55.00°	18,240	5,406	3,413
65.00°	16,442	3,143	1,830
75.00°	13,317	1,463	921
85.00°	9,209	497	332



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	3,805	3,805	3,805	3,805	3,550	3,550	3,550	3,550	3,072	3,072	3,072	2,635	2,635	2,635	2,234	2,234	2,234	2,046
	1	3,492	3,346	3,215	3,097	3,254	3,128	3,015	2,912	2,721	2,637	2,561	2,347	2,287	2,231	2,002	1,960	1,921	1,757
	2	3,196	2,945	2,737	2,563	2,975	2,758	2,576	2,423	2,407	2,270	2,152	2,083	1,982	1,893	1,784	1,711	1,647	1,502
	3	2,928	2,606	2,357	2,158	2,725	2,445	2,225	2,048	2,141	1,972	1,832	1,860	1,732	1,625	1,599	1,505	1,424	1,295
	4	2,690	2,322	2,052	1,846	2,504	2,181	1,942	1,756	1,917	1,729	1,581	1,671	1,527	1,410	1,443	1,334	1,245	1,129
	5	2,479	2,082	1,804	1,599	2,309	1,959	1,711	1,525	1,728	1,531	1,380	1,512	1,359	1,238	1,311	1,194	1,099	996
	6	2,292	1,878	1,600	1,401	2,137	1,771	1,521	1,339	1,567	1,367	1,217	1,377	1,219	1,098	1,199	1,076	980	886
	7	2,127	1,705	1,432	1,240	1,985	1,611	1,363	1,188	1,430	1,230	1,084	1,262	1,102	982	1,103	978	882	797
	8	1,981	1,557	1,291	1,107	1,850	1,473	1,231	1,063	1,313	1,115	974	1,162	1,003	886	1,020	894	799	722
	9	1,851	1,430	1,172	997	1,731	1,354	1,119	958	1,211	1,017	881	1,076	918	805	948	823	730	659
10	1,735	1,319	1,070	904	1,625	1,252	1,024	871	1,123	934	803	1,001	846	737	886	761	671	605	

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