



**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-PD-4-D5-I5-30-80-FW-W

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

##### **Test Number**

IES-P00226

##### **Test Date**

Thu Oct 03 16:09:26 2019

The results contained in this report pertain only to the tested sample.  
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BLD-2-PD-4-D5-I5-30-80-FW-W  
Blade 2" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens  
LED (3000K 80+ CRI)

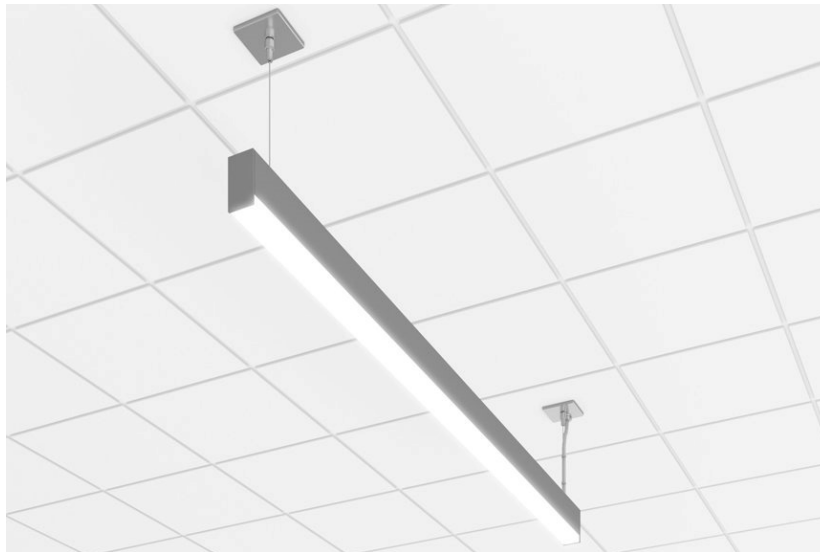


Image may differ slightly from actual unit.

### Summary of Results

#### Output:

<b>Watts:</b>	42.97 W
<b>Lumens:</b>	4,114.00 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	94 lm/W

#### Spacing Criterion

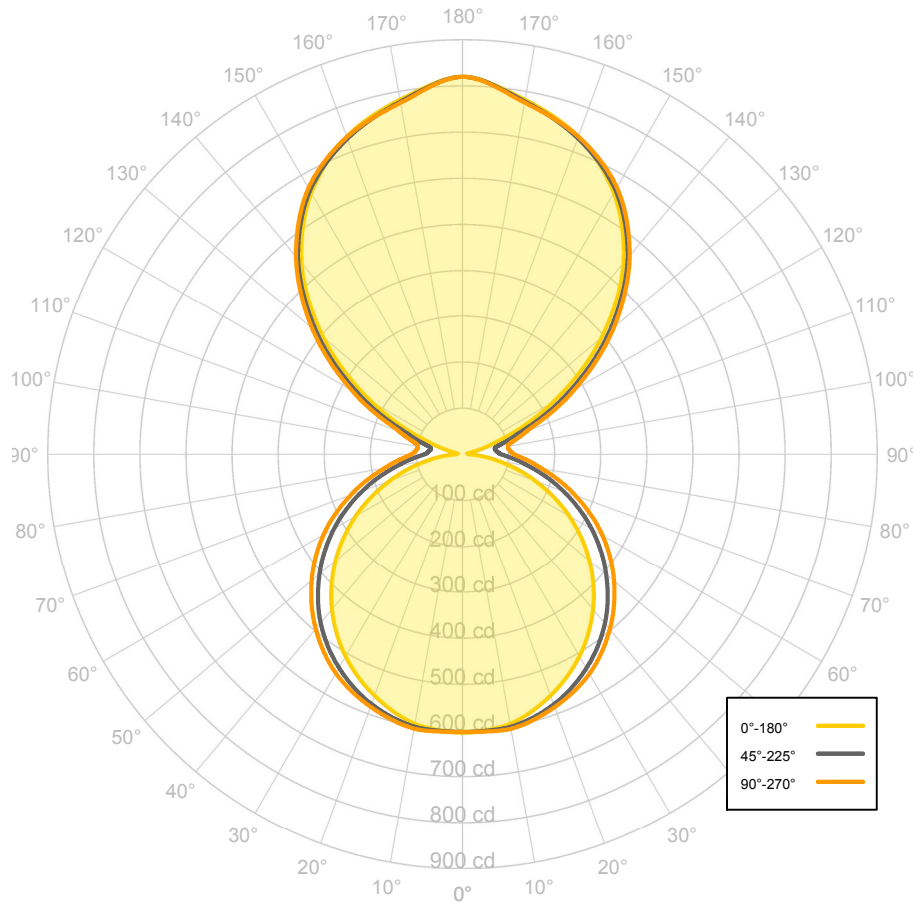
<b>Two luminaires, plane 0°</b>	1.24
<b>Two luminaires, plane 90°</b>	1.34
<b>Four luminaires</b>	1.44

#### Full Beam Angle

<b>0° - 180°</b>	262.12°
<b>90° - 270°</b>	257.37°

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°	103.43	2.51%	90° - 100°	73.79	1.79%
10° - 20°	165.08	4.01%	100° - 110°	96.58	2.35%
20° - 30°	254.14	6.18%	100° - 120°	281.79	6.85%
30° - 40°	313.35	7.62%	120° - 130°	296.42	7.21%
40° - 50°	335.16	8.15%	130° - 140°	369.07	8.97%
50° - 60°	317.53	7.72%	140° - 150°	377.07	9.17%
60° - 70°	263.74	6.41%	150° - 160°	318.79	7.75%
70° - 80°	185.68	4.51%	160° - 170°	211.19	5.13%
80° - 90°	111.04	2.70%	170° - 180°	136.73	3.32%
0° - 90°	2,049.15	49.81%	0° - 180°	4,114.00	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	604.84	604.84	604.84	604.84	604.84
10.00°	594.39	593.25	602.65	607.61	606.84
20.00°	557.99	568.86	579.29	585.03	585.53
30.00°	507.27	521.59	537.78	547.34	551.44
40.00°	440.53	456.86	480.65	492.80	497.24
50.00°	359.38	378.79	406.65	422.58	429.03
60.00°	267.42	290.53	321.85	340.40	348.78
70.00°	167.91	195.08	229.18	251.11	257.50
80.00°	75.65	104.13	140.76	162.33	169.48
90.00°	15.05	43.84	80.25	103.08	109.36
100.00°	10.06	35.91	70.67	92.36	99.05
110.00°	76.73	97.85	127.55	145.73	151.13
120.00°	227.29	241.21	263.40	276.89	281.30
130.00°	393.95	400.04	417.16	426.65	429.22
140.00°	543.31	545.85	557.55	563.83	564.33
150.00°	656.32	659.54	662.97	667.97	669.27
160.00°	733.97	731.16	730.12	734.18	733.80
170.00°	781.86	780.14	777.64	777.76	775.16
180.00°	819.49	819.49	819.49	819.49	819.49

**Average Luminaire Luminance [cd/m²]**

	0.00°	45.00°	90.00°
0.00°	15,379	15,379	15,379
45.00°	13,670	6,568	5,610
55.00°	12,931	5,311	4,523
65.00°	11,780	4,079	3,493
75.00°	10,017	2,870	2,513
85.00°	8,293	1,860	1,731



**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

	<b>pf<sub>c</sub></b>	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
	<b>pc<sub>c</sub></b>	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	<b>pw</b>	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
<b>RCR</b>	<b>0</b>	4,406	4,406	4,406	4,406	4,063	4,063	4,063	4,063	3,424	3,424	3,424	2,839	2,839	2,839	2,302	2,302	2,302	2,049
	<b>1</b>	3,980	3,784	3,609	3,451	3,659	3,491	3,339	3,201	2,941	2,829	2,727	2,435	2,355	2,281	1,970	1,914	1,862	1,641
	<b>2</b>	3,609	3,284	3,016	2,790	3,311	3,031	2,797	2,599	2,555	2,380	2,229	2,117	1,989	1,876	1,711	1,620	1,539	1,345
	<b>3</b>	3,284	2,875	2,559	2,307	3,009	2,656	2,378	2,154	2,242	2,031	1,858	1,860	1,703	1,571	1,505	1,392	1,295	1,124
	<b>4</b>	3,000	2,538	2,200	1,942	2,748	2,347	2,048	1,817	1,986	1,756	1,574	1,652	1,478	1,338	1,340	1,213	1,108	956
	<b>5</b>	2,751	2,258	1,913	1,659	2,521	2,091	1,784	1,556	1,775	1,536	1,353	1,480	1,298	1,155	1,205	1,070	962	826
	<b>6</b>	2,533	2,023	1,680	1,435	2,323	1,876	1,570	1,348	1,597	1,357	1,177	1,337	1,151	1,009	1,094	954	845	724
	<b>7</b>	2,341	1,825	1,489	1,255	2,149	1,695	1,394	1,181	1,448	1,209	1,035	1,216	1,030	892	999	858	751	642
	<b>8</b>	2,173	1,656	1,331	1,108	1,997	1,541	1,248	1,044	1,320	1,086	919	1,114	930	795	919	779	673	575
	<b>9</b>	2,024	1,512	1,198	987	1,862	1,409	1,125	932	1,211	983	823	1,026	845	715	851	711	609	520
	<b>10</b>	1,892	1,388	1,087	886	1,743	1,295	1,022	838	1,117	896	743	950	773	648	791	654	555	473

**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