



**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-D3-I3-30-80-FW-W

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

#### **Test Number**

IES-P00241

#### **Test Date**

Mon Oct 07 13:58:19 2019

The results contained in this report pertain only to the tested sample.  
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BLD-4-PD-4-D3-I3-30-80-FW-W  
Blade 4" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens  
LED (3000K 80+ CRI)

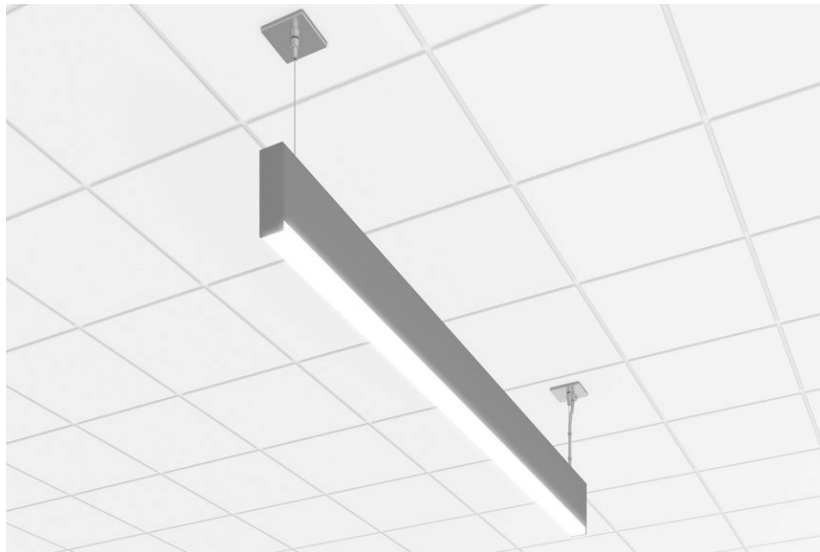


Image may differ slightly from actual unit.

### Summary of Results

#### Output:

<b>Watts:</b>	31.29 W
<b>Lumens:</b>	2,867.96 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	89.94 lm/W

#### Spacing Criterion

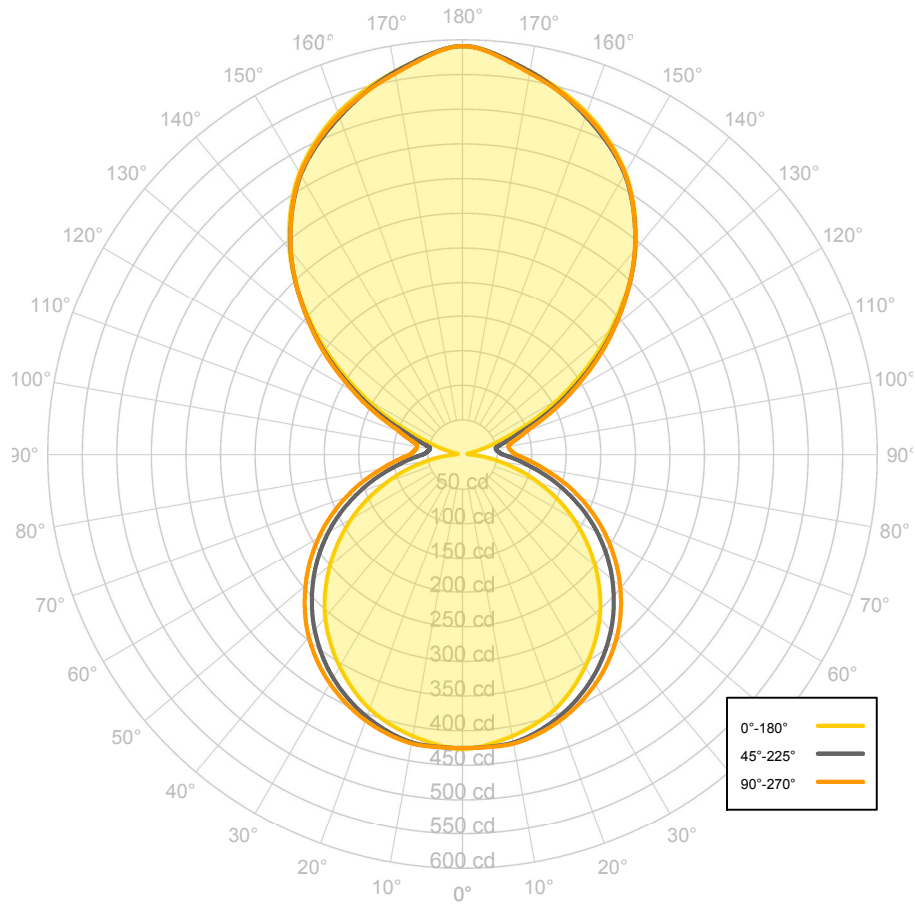
<b>Two luminaires, plane 0°</b>	1.24
<b>Two luminaires, plane 90°</b>	1.32
<b>Four luminaires</b>	1.43

#### Full Beam Angle

<b>0° - 180°</b>	262.89°
<b>90° - 270°</b>	261.37°

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°	72.77	2.54%	90° - 100°	50.55	1.76%
10° - 20°	115.86	4.04%	100° - 110°	65.65	2.29%
20° - 30°	178.10	6.21%	100° - 120°	191.35	6.67%
30° - 40°	218.92	7.63%	120° - 130°	203.07	7.08%
40° - 50°	233.40	8.14%	130° - 140°	256.05	8.93%
50° - 60°	220.56	7.69%	140° - 150°	264.85	9.23%
60° - 70°	182.50	6.36%	150° - 160°	226.41	7.89%
70° - 80°	127.62	4.45%	160° - 170°	151.39	5.28%
80° - 90°	75.96	2.65%	170° - 180°	98.58	3.44%
0° - 90°	1,425.70	49.71%	0° - 180°	2,867.96	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	426.55	426.55	426.55	426.55	426.55
10.00°	414.02	415.19	424.80	427.96	426.38
20.00°	391.99	399.81	405.94	409.91	411.42
30.00°	355.01	367.15	375.46	383.05	384.75
40.00°	308.82	319.31	333.92	343.12	347.21
50.00°	250.11	263.50	282.68	294.26	297.58
60.00°	185.39	201.59	223.78	236.36	240.43
70.00°	115.73	134.29	158.37	173.01	178.03
80.00°	51.05	70.90	96.16	111.36	116.32
90.00°	10.02	29.86	55.23	70.81	74.60
100.00°	6.88	24.84	48.43	63.33	67.18
110.00°	54.17	67.83	86.21	96.94	100.51
120.00°	160.12	168.63	179.00	183.76	185.14
130.00°	279.56	282.08	287.56	286.74	288.59
140.00°	389.26	386.16	388.43	387.38	387.92
150.00°	471.50	469.66	468.46	467.18	469.55
160.00°	526.21	526.84	520.39	521.39	522.60
170.00°	562.91	563.59	562.45	557.98	559.97
180.00°	590.80	590.80	590.80	590.80	590.80

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

	0.00°	45.00°	90.00°
0.00°	10,846	10,846	10,846
45.00°	9,232	3,233	2,667
55.00°	8,569	2,512	2,063
65.00°	7,613	1,852	1,540
75.00°	6,158	1,242	1,072
85.00°	4,427	768	710



**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>	3,071	3,071	3,071	3,071	2,832	2,832	2,832	2,832	2,385	2,385	2,385	1,977	1,977	1,977	1,602	1,602	1,602	1,426
	<b>1</b>	2,775	2,639	2,517	2,407	2,551	2,434	2,329	2,233	2,050	1,973	1,902	1,697	1,642	1,590	1,372	1,334	1,298	1,144
	<b>2</b>	2,517	2,291	2,104	1,947	2,309	2,114	1,952	1,814	1,782	1,660	1,555	1,476	1,387	1,309	1,193	1,130	1,074	939
	<b>3</b>	2,290	2,006	1,786	1,611	2,099	1,853	1,660	1,504	1,564	1,418	1,297	1,298	1,189	1,097	1,050	971	904	785
	<b>4</b>	2,092	1,771	1,536	1,356	1,917	1,638	1,430	1,269	1,386	1,226	1,100	1,153	1,032	935	935	847	774	668
	<b>5</b>	1,919	1,576	1,336	1,159	1,759	1,459	1,246	1,087	1,239	1,073	945	1,033	907	807	841	747	672	578
	<b>6</b>	1,767	1,412	1,174	1,003	1,621	1,310	1,097	942	1,115	948	823	933	804	706	763	667	591	506
	<b>7</b>	1,634	1,274	1,041	877	1,500	1,183	974	826	1,011	845	724	849	720	624	698	600	525	449
	<b>8</b>	1,516	1,156	930	775	1,393	1,076	872	730	922	759	643	778	650	556	642	544	471	402
	<b>9</b>	1,412	1,056	838	690	1,299	984	787	652	846	687	576	716	591	500	594	497	426	364
	<b>10</b>	1,320	969	759	620	1,216	904	714	586	780	626	520	663	540	454	553	457	389	332

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	12 fc	0 ft	0 ft
8 ft	7 fc	0 ft	0 ft
10 ft	4 fc	0 ft	0 ft
12 ft	3 fc	0 ft	0 ft
15 ft	2 fc	0 ft	0 ft