



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

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

#### **Test Number**

IES-P00235

#### **Test Date**

Fri Oct 04 15:28:09 2019

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

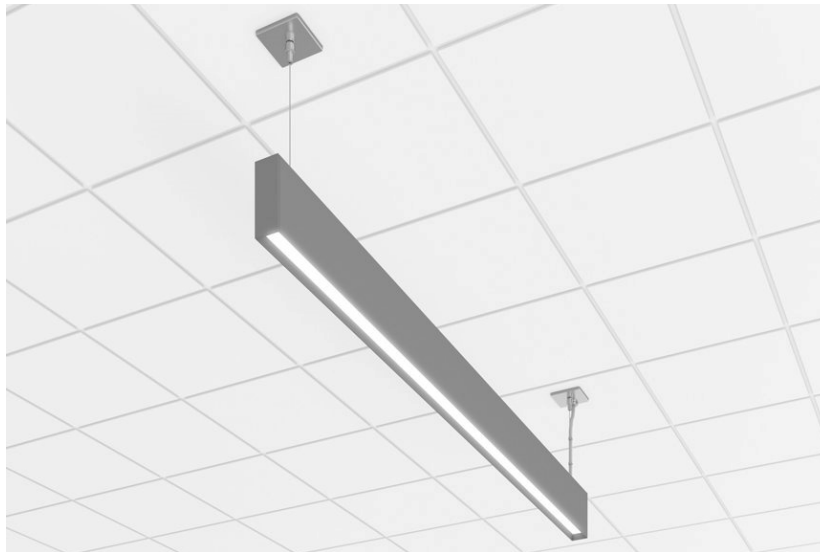


Image may differ slightly from actual unit.

### Summary of Results

#### Output:

<b>Watts:</b>	31.28 W
<b>Lumens:</b>	2,871.20 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	89.67 lm/W

#### Spacing Criterion

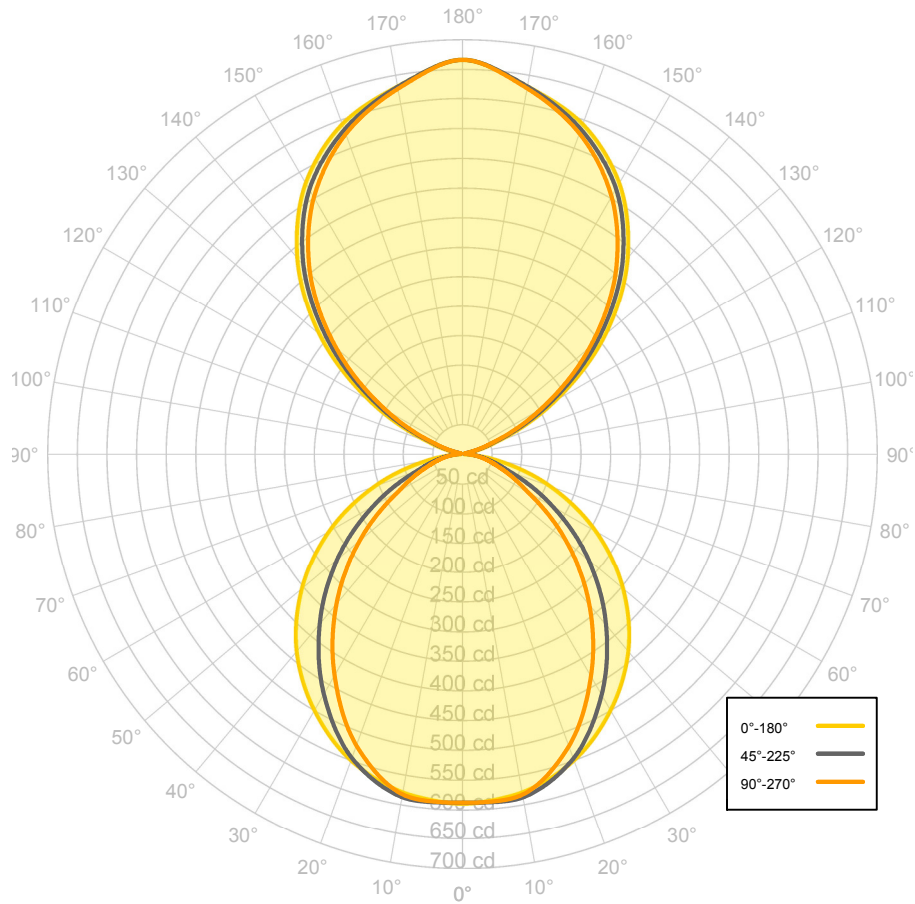
<b>Two luminaires, plane 0°</b>	1.25
<b>Two luminaires, plane 90°</b>	1.11
<b>Four luminaires</b>	1.26

#### Full Beam Angle

<b>0° - 180°</b>	263.01°
<b>90° - 270°</b>	268.63°

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°	100.81	3.51%	90° - 100°	3.95	0.14%
10° - 20°	157.48	5.48%	100° - 110°	30.39	1.06%
20° - 30°	230.56	8.03%	100° - 120°	137.70	4.80%
30° - 40°	263.10	9.16%	120° - 130°	204.02	7.11%
40° - 50°	253.48	8.83%	130° - 140°	272.28	9.48%
50° - 60°	205.14	7.14%	140° - 150°	288.99	10.07%
60° - 70°	134.58	4.69%	150° - 160°	250.92	8.74%
70° - 80°	67.56	2.35%	160° - 170°	169.23	5.89%
80° - 90°	20.65	0.72%	170° - 180°	110.77	3.86%
0° - 90°	1,433.34	49.92%	0° - 180°	2,871.20	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	590.21	590.21	590.21	590.21	590.21
10.00°	579.68	581.46	589.66	587.71	584.96
20.00°	550.16	557.70	547.84	531.14	525.48
30.00°	499.71	501.97	469.67	442.56	433.39
40.00°	435.27	422.98	376.48	343.34	332.63
50.00°	353.73	329.25	276.52	240.02	226.42
60.00°	260.01	226.39	172.19	135.34	123.09
70.00°	157.68	122.87	78.71	65.26	63.61
80.00°	60.35	39.28	29.84	27.91	27.36
90.00°	3.76	2.88	2.89	2.95	2.98
100.00°	4.53	4.18	4.26	4.24	4.18
110.00°	59.84	58.13	54.53	51.00	49.55
120.00°	180.38	176.19	166.53	158.30	153.99
130.00°	315.19	309.68	296.76	285.75	280.26
140.00°	433.80	430.66	419.82	407.33	402.58
150.00°	529.27	525.34	517.86	507.99	502.74
160.00°	593.34	589.44	583.74	578.74	576.36
170.00°	630.74	630.67	630.49	625.87	627.17
180.00°	666.03	666.03	666.03	666.03	666.03

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

	0.00°	45.00°	90.00°
0.00°	15,007	15,007	15,007
45.00°	13,158	3,735	2,543
55.00°	12,238	2,449	1,485
65.00°	10,762	1,349	766
75.00°	8,292	593	372
85.00°	4,940	187	127



**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>	3,076	3,076	3,076	3,076	2,837	2,837	2,837	2,837	2,391	2,391	2,391	1,984	1,984	1,984	1,609	1,609	1,609	1,433
	<b>1</b>	2,820	2,700	2,593	2,497	2,598	2,496	2,405	2,322	2,115	2,049	1,989	1,764	1,719	1,677	1,441	1,411	1,383	1,232
	<b>2</b>	2,578	2,374	2,205	2,063	2,374	2,199	2,052	1,929	1,869	1,762	1,669	1,566	1,489	1,422	1,285	1,232	1,186	1,054
	<b>3</b>	2,361	2,099	1,896	1,734	2,172	1,947	1,770	1,627	1,661	1,528	1,419	1,397	1,300	1,219	1,151	1,083	1,025	909
	<b>4</b>	2,167	1,867	1,647	1,480	1,994	1,735	1,542	1,393	1,486	1,339	1,222	1,254	1,145	1,057	1,039	960	896	793
	<b>5</b>	1,995	1,671	1,445	1,278	1,837	1,556	1,356	1,206	1,337	1,183	1,065	1,134	1,017	926	943	859	791	699
	<b>6</b>	1,843	1,506	1,279	1,117	1,698	1,404	1,203	1,056	1,211	1,054	937	1,031	911	820	862	774	705	623
	<b>7</b>	1,708	1,364	1,142	985	1,576	1,275	1,075	934	1,104	947	832	943	822	732	793	703	633	560
	<b>8</b>	1,589	1,244	1,026	877	1,467	1,164	969	833	1,011	856	745	868	747	659	733	642	574	507
	<b>9</b>	1,483	1,140	929	787	1,371	1,068	879	749	931	779	673	803	683	598	681	590	524	463
	<b>10</b>	1,388	1,050	847	712	1,286	985	802	678	862	714	612	746	629	546	636	546	481	426

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	16 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