



**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-D5-I3-30-80-FW-W

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

#### **Test Number**

IES-P00237

#### **Test Date**

Mon Oct 07 09:06:18 2019

The results contained in this report pertain only to the tested sample.  
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BLD-4-PR-4-D5-I3-30-80-FW-W  
Blade 4" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens  
LED (3000K 80+ CRI)

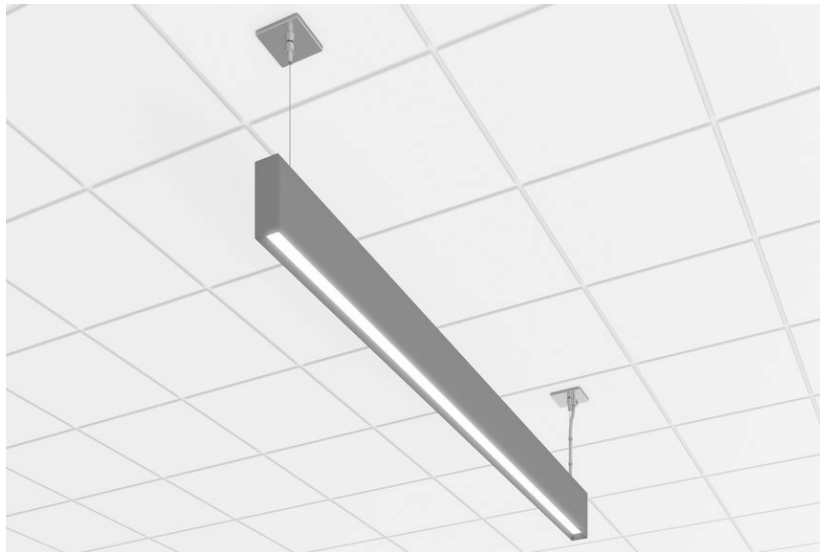


Image may differ slightly from actual unit.

### Summary of Results

#### Output:

<b>Watts:</b>	39.88 W
<b>Lumens:</b>	3,483.99 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	85.36 lm/W

#### Spacing Criterion

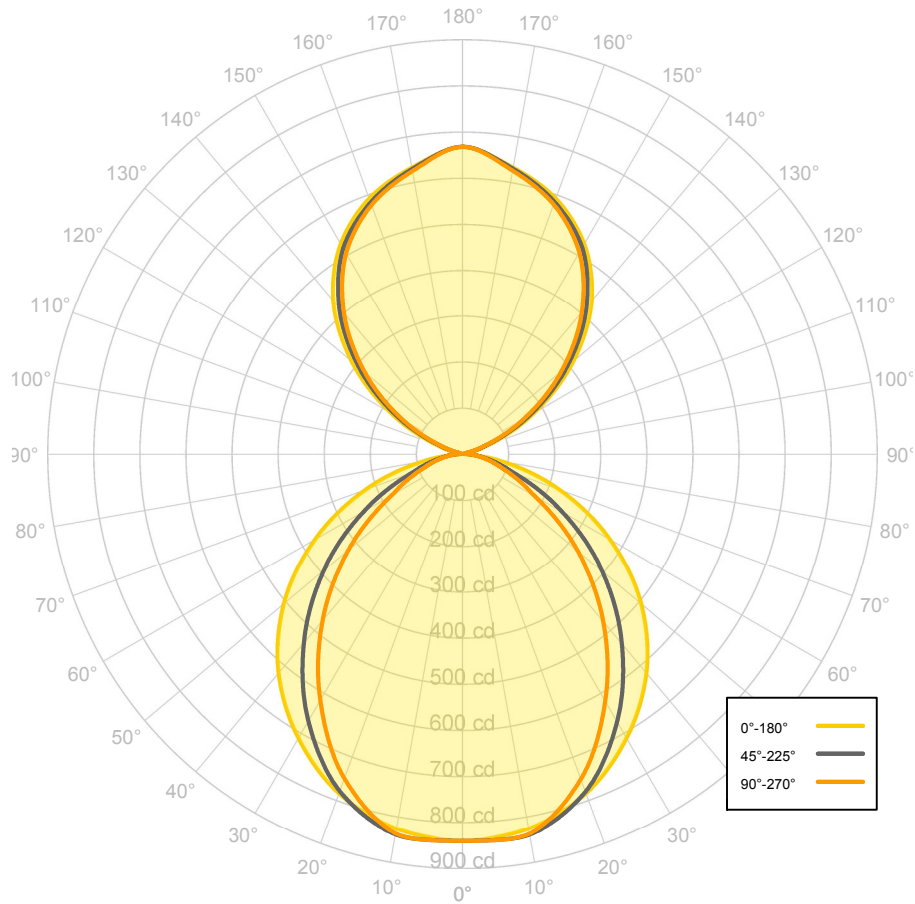
<b>Two luminaires, plane 0°</b>	1.25
<b>Two luminaires, plane 90°</b>	1.11
<b>Four luminaires</b>	1.26

#### Full Beam Angle

<b>0° - 180°</b>	277.52°
<b>90° - 270°</b>	283.59°

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°	143.91	4.13%	90° - 100°	4.61	0.13%
10° - 20°	224.94	6.46%	100° - 110°	30.35	0.87%
20° - 30°	329.44	9.46%	100° - 120°	137.58	3.95%
30° - 40°	375.96	10.79%	120° - 130°	203.69	5.85%
40° - 50°	361.95	10.39%	130° - 140°	272.00	7.81%
50° - 60°	292.62	8.40%	140° - 150°	289.03	8.30%
60° - 70°	191.74	5.50%	150° - 160°	250.87	7.20%
70° - 80°	96.23	2.76%	160° - 170°	169.17	4.86%
80° - 90°	29.35	0.84%	170° - 180°	110.90	3.18%
0° - 90°	2,046.14	58.73%	0° - 180°	3,483.99	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	841.09	841.09	841.09	841.09	841.09
10.00°	826.14	832.48	840.00	842.33	837.71
20.00°	783.51	796.88	781.22	758.93	751.85
30.00°	711.85	718.81	671.33	633.25	619.38
40.00°	620.76	604.38	537.52	491.10	474.42
50.00°	506.03	470.81	394.42	341.69	323.12
60.00°	369.61	322.91	245.33	192.93	175.62
70.00°	223.66	175.85	112.10	92.88	90.07
80.00°	85.76	55.86	42.87	39.55	39.05
90.00°	5.21	4.00	4.15	4.01	4.01
100.00°	4.45	4.23	4.40	4.27	4.08
110.00°	59.93	58.17	54.13	50.88	49.62
120.00°	178.79	176.25	167.10	157.45	155.43
130.00°	314.07	308.63	296.33	285.12	280.13
140.00°	436.35	429.90	418.37	408.31	402.55
150.00°	528.44	523.00	518.35	509.03	506.13
160.00°	591.76	588.05	582.72	579.93	576.81
170.00°	632.70	631.52	629.11	627.64	624.77
180.00°	667.34	667.34	667.34	667.34	667.34

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

	0.00°	45.00°	90.00°
0.00°	21,386	21,386	21,386
45.00°	18,791	5,331	3,628
55.00°	17,460	3,492	2,119
65.00°	15,286	1,921	1,090
75.00°	11,768	846	528
85.00°	7,010	269	181



**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>	3,805	3,805	3,805	3,805	3,550	3,550	3,550	3,550	3,072	3,072	3,072	2,636	2,636	2,636	2,235	2,235	2,235	2,046
	<b>1</b>	3,493	3,347	3,216	3,098	3,255	3,129	3,016	2,914	2,722	2,639	2,563	2,348	2,288	2,233	2,003	1,962	1,923	1,759
	<b>2</b>	3,197	2,946	2,739	2,565	2,976	2,759	2,578	2,425	2,409	2,272	2,154	2,085	1,984	1,896	1,786	1,714	1,649	1,505
	<b>3</b>	2,929	2,608	2,359	2,161	2,726	2,447	2,227	2,050	2,143	1,974	1,835	1,862	1,734	1,627	1,601	1,507	1,427	1,298
	<b>4</b>	2,692	2,324	2,054	1,848	2,505	2,184	1,944	1,759	1,919	1,732	1,584	1,674	1,530	1,413	1,445	1,337	1,248	1,132
	<b>5</b>	2,481	2,084	1,806	1,602	2,311	1,962	1,713	1,528	1,730	1,534	1,383	1,515	1,361	1,241	1,314	1,197	1,102	999
	<b>6</b>	2,294	1,881	1,603	1,404	2,138	1,773	1,524	1,342	1,570	1,370	1,220	1,380	1,222	1,101	1,202	1,079	983	890
	<b>7</b>	2,129	1,708	1,434	1,243	1,987	1,613	1,366	1,190	1,433	1,233	1,087	1,264	1,104	985	1,106	980	885	800
	<b>8</b>	1,983	1,559	1,293	1,110	1,852	1,475	1,234	1,065	1,315	1,117	976	1,165	1,005	889	1,023	897	802	725
	<b>9</b>	1,853	1,432	1,174	1,000	1,733	1,357	1,122	961	1,213	1,020	884	1,078	921	808	951	825	733	662
	<b>10</b>	1,737	1,321	1,073	907	1,627	1,254	1,026	873	1,125	936	806	1,003	849	739	888	763	674	608

**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