



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

BLADE 2" - White Housing - Suspended - Direct/Indirect - Flush Frosted White Lens

#### **Test Number**

IES-P00214

#### **Test Date**

Thu Sep 26 10:32:20 2019

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

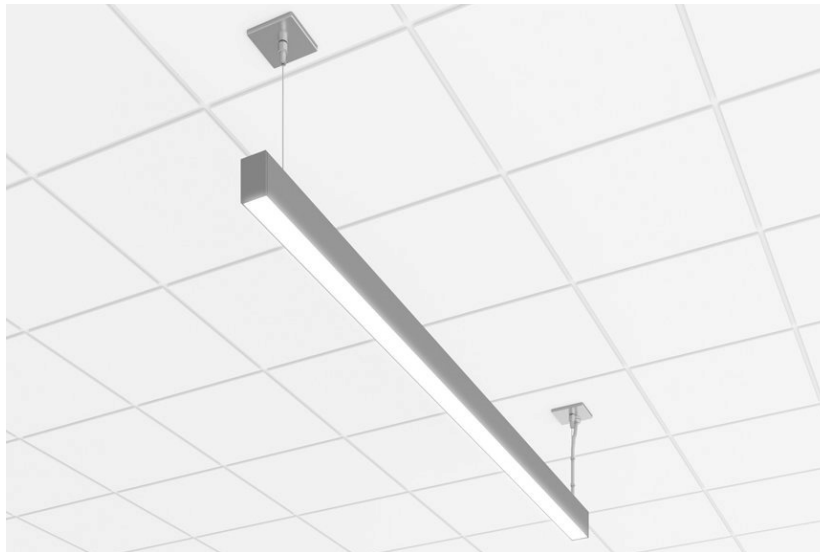


Image may differ slightly from actual unit.

**Summary of Results**

**Output:**

<b>Watts:</b>	44.22 W
<b>Lumens:</b>	4,128.77 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	91.42 lm/W

**Spacing Criterion**

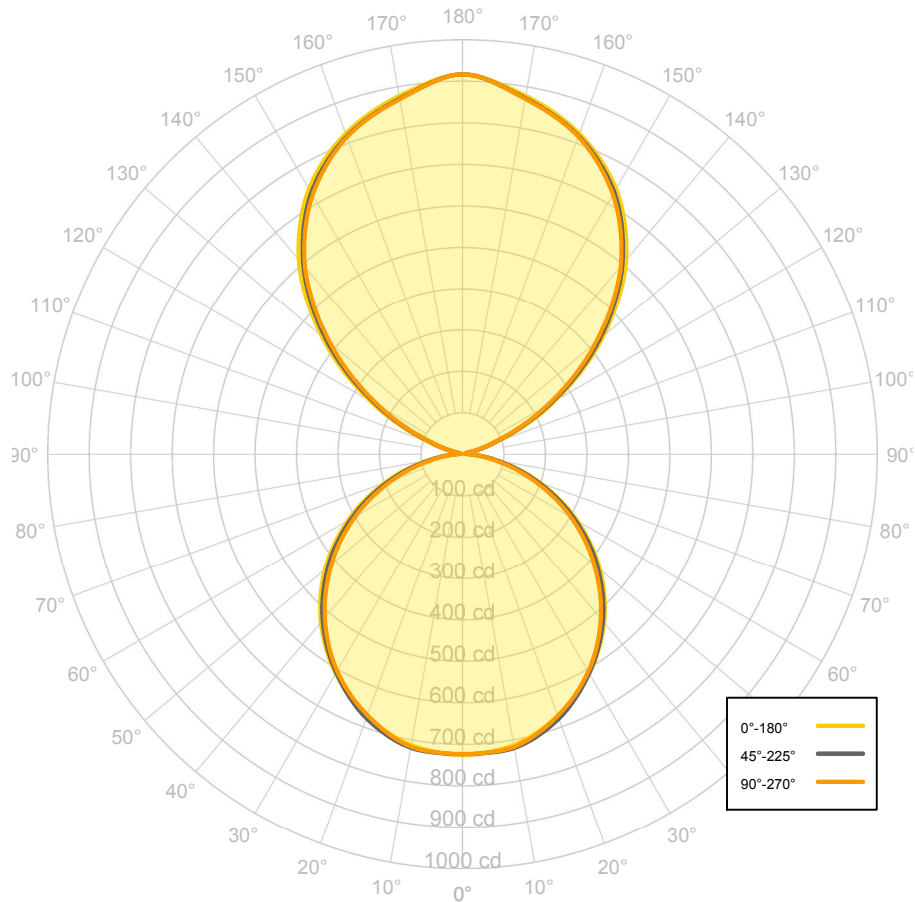
<b>Two luminaires, plane 0°</b>	1.25
<b>Two luminaires, plane 90°</b>	1.24
<b>Four luminaires</b>	1.35

**Full Beam Angle**

<b>0° - 180°</b>	261.78°
<b>90° - 270°</b>	264.43°

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°	123.75	3.00%	90° - 100°	6.48	0.16%
10° - 20°	195.04	4.72%	100° - 110°	45.78	1.11%
20° - 30°	294.10	7.12%	100° - 120°	204.82	4.96%
30° - 40°	352.44	8.54%	120° - 130°	297.83	7.21%
40° - 50°	363.03	8.79%	130° - 140°	392.73	9.51%
50° - 60°	324.18	7.85%	140° - 150°	411.93	9.98%
60° - 70°	242.13	5.86%	150° - 160°	353.52	8.56%
70° - 80°	135.10	3.27%	160° - 170°	236.37	5.72%
80° - 90°	42.15	1.02%	170° - 180°	153.17	3.71%
0° - 90°	2,071.92	50.18%	0° - 180°	4,128.77	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	725.68	725.68	725.68	725.68	725.68
10.00°	712.37	713.69	721.19	719.84	718.42
20.00°	672.11	680.91	680.14	674.71	672.59
30.00°	611.39	617.71	610.95	606.33	606.61
40.00°	531.12	532.55	526.33	520.25	518.39
50.00°	432.89	430.87	424.36	417.74	413.65
60.00°	319.37	316.26	308.63	300.46	297.54
70.00°	198.85	195.15	185.37	177.77	174.66
80.00°	84.34	78.72	71.47	66.43	64.66
90.00°	8.54	6.31	4.75	3.98	3.75
100.00°	6.28	6.29	6.72	6.88	7.01
110.00°	85.66	84.06	82.07	79.78	78.58
120.00°	256.35	251.99	246.35	240.25	237.52
130.00°	443.04	438.84	431.35	424.13	419.73
140.00°	614.03	607.96	600.08	594.22	593.78
150.00°	740.47	735.60	730.52	726.12	724.15
160.00°	823.56	822.11	816.79	816.32	815.19
170.00°	878.29	876.90	871.62	870.23	870.44
180.00°	916.60	916.60	916.60	916.60	916.60

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

	0.00°	45.00°	90.00°
0.00°	18,379	18,379	18,379
45.00°	16,574	7,961	6,498
55.00°	15,676	6,162	4,846
65.00°	14,254	4,301	3,242
75.00°	11,991	2,394	1,708
85.00°	9,141	790	525



**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>	4,425	4,425	4,425	4,425	4,083	4,083	4,083	4,083	3,445	3,445	3,445	2,861	2,861	2,861	2,324	2,324	2,324	2,072
	<b>1</b>	4,038	3,858	3,697	3,552	3,719	3,566	3,427	3,302	3,018	2,918	2,826	2,515	2,445	2,380	2,052	2,004	1,960	1,742
	<b>2</b>	3,677	3,371	3,118	2,905	3,382	3,119	2,899	2,713	2,646	2,483	2,343	2,210	2,092	1,989	1,807	1,725	1,652	1,461
	<b>3</b>	3,356	2,965	2,662	2,421	3,084	2,747	2,482	2,268	2,336	2,136	1,971	1,956	1,809	1,685	1,603	1,498	1,408	1,240
	<b>4</b>	3,072	2,626	2,299	2,050	2,823	2,436	2,148	1,926	2,078	1,857	1,683	1,745	1,580	1,446	1,435	1,315	1,216	1,067
	<b>5</b>	2,822	2,342	2,007	1,760	2,594	2,176	1,879	1,657	1,862	1,631	1,455	1,569	1,394	1,257	1,296	1,167	1,064	930
	<b>6</b>	2,601	2,103	1,769	1,529	2,393	1,957	1,659	1,442	1,680	1,446	1,272	1,421	1,242	1,104	1,179	1,045	940	821
	<b>7</b>	2,407	1,901	1,572	1,342	2,216	1,771	1,477	1,269	1,526	1,293	1,123	1,296	1,115	980	1,080	943	839	732
	<b>8</b>	2,235	1,728	1,409	1,189	2,061	1,613	1,326	1,126	1,394	1,165	1,001	1,188	1,009	878	995	858	756	659
	<b>9</b>	2,084	1,580	1,271	1,063	1,923	1,477	1,199	1,008	1,281	1,057	900	1,096	919	792	922	786	686	598
	<b>10</b>	1,949	1,452	1,155	957	1,801	1,360	1,091	909	1,183	965	814	1,016	843	720	858	724	627	547

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	20 fc	0 ft	0 ft
8 ft	11 fc	0 ft	0 ft
10 ft	7 fc	0 ft	0 ft
12 ft	5 fc	0 ft	0 ft
15 ft	3 fc	0 ft	0 ft