



**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-D3-I5-30-80-FW-W

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

#### **Test Number**

IES-P00212

#### **Test Date**

Thu Sep 26 08:58:43 2019

The results contained in this report pertain only to the tested sample.  
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BLD-2-PF-4-D3-I5-30-80-FW-W  
BLADE 2" - White Housing - Suspended - Direct/Indirect - Flush Frosted White Lens  
LED (3000K 80+ CRI)

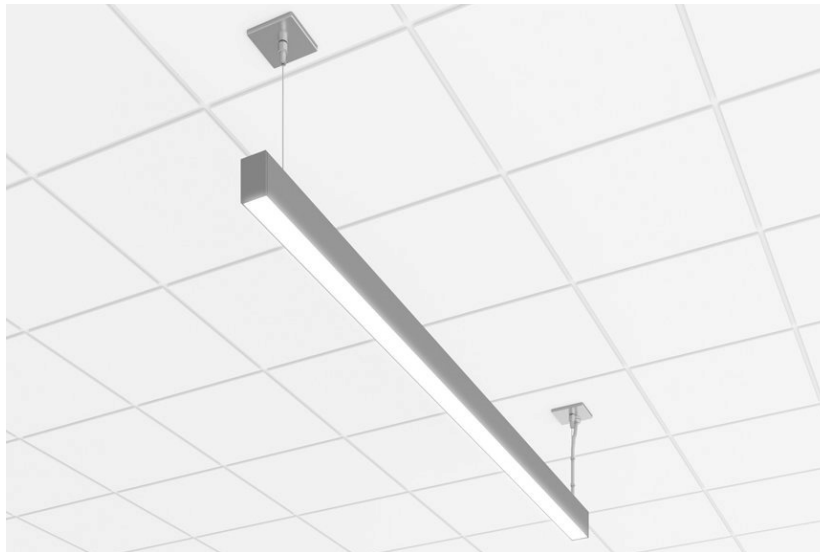


Image may differ slightly from actual unit.

### Summary of Results

#### Output:

<b>Watts:</b>	35.55 W
<b>Lumens:</b>	3,505.07 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	96.48 lm/W

#### Spacing Criterion

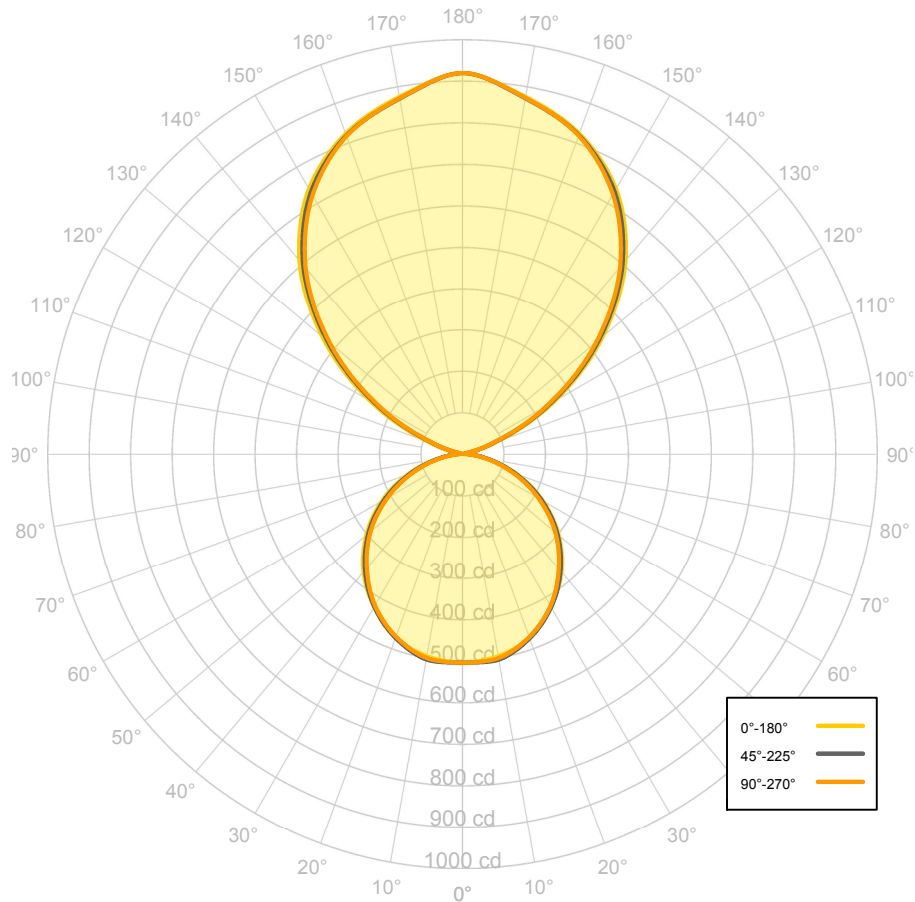
<b>Two luminaires, plane 0°</b>	1.25
<b>Two luminaires, plane 90°</b>	1.24
<b>Four luminaires</b>	1.37

#### Full Beam Angle

<b>0° - 180°</b>	262.16°
<b>90° - 270°</b>	264.51°

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°	86.27	2.46%	90° - 100°	5.67	0.16%
10° - 20°	136.32	3.89%	100° - 110°	45.64	1.30%
20° - 30°	205.56	5.86%	100° - 120°	204.59	5.84%
30° - 40°	246.20	7.02%	120° - 130°	297.73	8.49%
40° - 50°	253.77	7.24%	130° - 140°	392.46	11.20%
50° - 60°	226.88	6.47%	140° - 150°	412.12	11.76%
60° - 70°	169.49	4.84%	150° - 160°	353.97	10.10%
70° - 80°	94.57	2.70%	160° - 170°	236.48	6.75%
80° - 90°	29.60	0.84%	170° - 180°	153.39	4.38%
0° - 90°	1,448.66	41.33%	0° - 180°	3,505.07	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	504.60	504.60	504.60	504.60	504.60
10.00°	495.35	498.57	504.51	503.58	500.92
20.00°	471.97	475.54	473.71	472.92	470.48
30.00°	426.31	431.16	426.92	424.65	423.76
40.00°	371.34	372.16	367.42	363.78	360.56
50.00°	302.79	301.24	297.03	291.98	290.40
60.00°	224.19	221.59	216.13	209.88	208.17
70.00°	139.42	136.52	129.21	124.53	122.90
80.00°	58.96	55.24	49.92	46.59	45.39
90.00°	6.05	4.45	3.52	2.98	2.85
100.00°	6.29	6.25	6.59	6.92	6.97
110.00°	85.36	84.13	81.68	79.50	78.22
120.00°	255.69	251.88	245.72	241.32	237.98
130.00°	441.38	438.61	430.20	424.32	421.45
140.00°	611.77	607.06	600.84	595.01	591.45
150.00°	740.46	736.57	732.30	728.17	724.28
160.00°	823.67	822.05	819.07	815.18	817.75
170.00°	875.84	874.36	871.50	872.86	872.65
180.00°	919.53	919.53	919.53	919.53	919.53

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

	0.00°	45.00°	90.00°
0.00°	12,780	12,780	12,780
45.00°	11,590	5,564	4,539
55.00°	10,981	4,314	3,397
65.00°	10,002	3,006	2,273
75.00°	8,400	1,670	1,201
85.00°	6,398	554	370



**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>	3,683	3,683	3,683	3,683	3,358	3,358	3,358	3,358	2,752	2,752	2,752	2,197	2,197	2,197	1,688	1,688	1,688	1,449
	<b>1</b>	3,359	3,208	3,073	2,952	3,057	2,930	2,815	2,712	2,409	2,328	2,255	1,931	1,876	1,826	1,490	1,455	1,423	1,218
	<b>2</b>	3,058	2,802	2,591	2,413	2,779	2,562	2,381	2,227	2,112	1,981	1,868	1,696	1,605	1,526	1,311	1,252	1,199	1,021
	<b>3</b>	2,790	2,463	2,210	2,009	2,533	2,255	2,036	1,860	1,863	1,703	1,571	1,500	1,386	1,291	1,163	1,087	1,022	866
	<b>4</b>	2,552	2,180	1,907	1,699	2,317	1,998	1,761	1,577	1,655	1,479	1,339	1,337	1,210	1,107	1,041	954	882	745
	<b>5</b>	2,342	1,942	1,662	1,455	2,127	1,783	1,537	1,354	1,481	1,297	1,155	1,201	1,066	960	939	846	770	650
	<b>6</b>	2,157	1,741	1,461	1,261	1,961	1,601	1,354	1,175	1,335	1,147	1,007	1,086	948	842	854	756	680	573
	<b>7</b>	1,994	1,570	1,296	1,103	1,814	1,446	1,203	1,031	1,210	1,023	887	989	850	746	782	682	606	511
	<b>8</b>	1,850	1,425	1,158	975	1,685	1,315	1,077	912	1,104	920	788	906	767	666	720	620	546	460
	<b>9</b>	1,722	1,301	1,042	868	1,570	1,202	971	814	1,012	832	706	834	698	600	666	567	495	418
	<b>10</b>	1,609	1,193	945	779	1,469	1,104	881	731	933	758	637	772	638	544	620	522	452	382

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	14 fc	0 ft	0 ft
8 ft	8 fc	0 ft	0 ft
10 ft	5 fc	0 ft	0 ft
12 ft	4 fc	0 ft	0 ft
15 ft	2 fc	0 ft	0 ft