



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

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

#### **Test Number**

IES-P00213

#### **Test Date**

Thu Sep 26 09:47:49 2019

The results contained in this report pertain only to the tested sample.  
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BLD-2-PF-4-D5-I3-30-80-FW-W  
BLADE 2" - White Housing - Suspended - Direct/Indirect - Flush Frosted White Lens  
LED (3000K 80+ CRI)

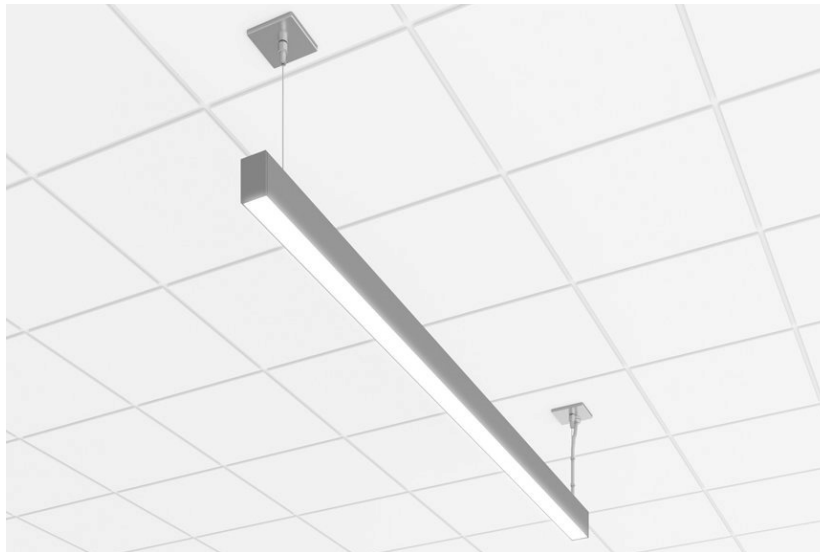


Image may differ slightly from actual unit.

### Summary of Results

#### Output:

<b>Watts:</b>	39.75 W
<b>Lumens:</b>	3,510.72 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	86.51 lm/W

#### Spacing Criterion

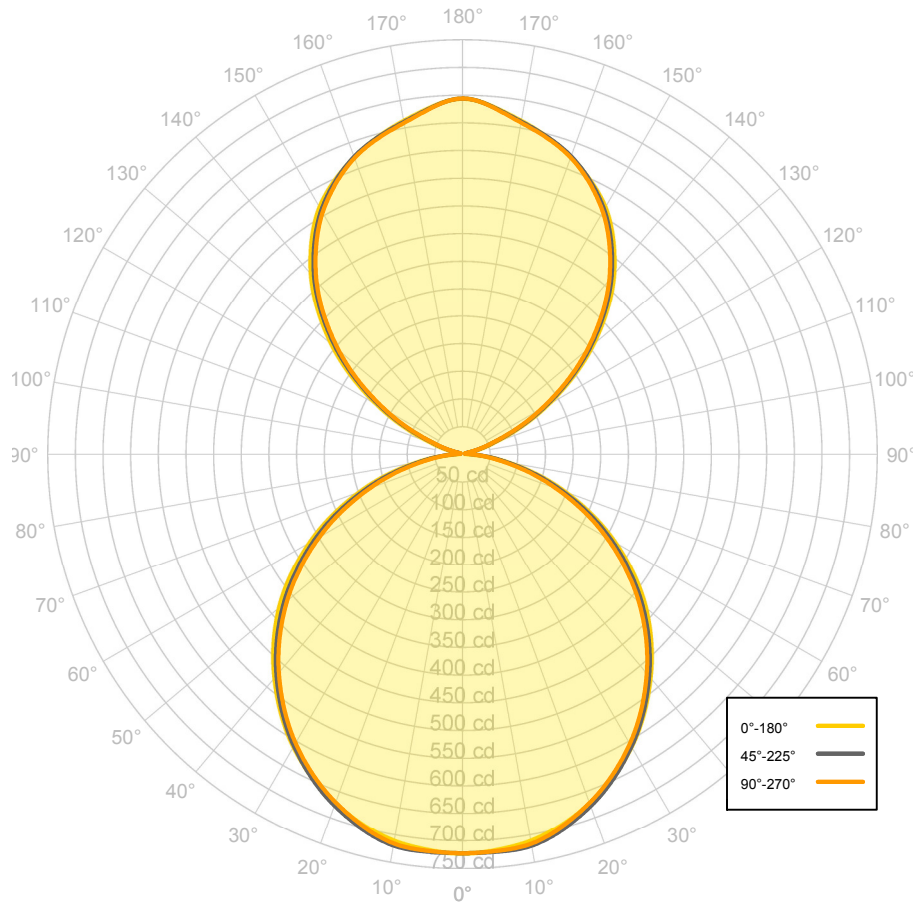
<b>Two luminaires, plane 0°</b>	1.25
<b>Two luminaires, plane 90°</b>	1.24
<b>Four luminaires</b>	1.35

#### Full Beam Angle

<b>0° - 180°</b>	268.85°
<b>90° - 270°</b>	271.32°

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°	123.44	3.52%	90° - 100°	5.34	0.15%
10° - 20°	194.78	5.55%	100° - 110°	31.94	0.91%
20° - 30°	294.01	8.37%	100° - 120°	143.18	4.08%
30° - 40°	352.22	10.03%	120° - 130°	208.44	5.94%
40° - 50°	362.94	10.34%	130° - 140°	274.47	7.82%
50° - 60°	324.48	9.24%	140° - 150°	288.03	8.20%
60° - 70°	242.19	6.90%	150° - 160°	247.39	7.05%
70° - 80°	135.00	3.85%	160° - 170°	165.33	4.71%
80° - 90°	42.10	1.20%	170° - 180°	107.38	3.06%
0° - 90°	2,071.16	59.00%	0° - 180°	3,510.72	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	723.49	723.49	723.49	723.49	723.49
10.00°	710.68	711.14	720.75	718.11	717.00
20.00°	672.24	680.27	678.93	674.16	672.77
30.00°	611.80	616.70	611.74	607.04	605.66
40.00°	529.36	532.13	525.17	520.09	518.38
50.00°	433.43	430.40	424.19	418.23	416.04
60.00°	319.82	316.63	308.68	300.89	298.27
70.00°	197.97	194.76	185.13	177.75	175.03
80.00°	84.25	78.77	71.55	66.57	64.42
90.00°	8.46	6.26	4.67	3.78	3.56
100.00°	4.57	4.41	4.59	4.84	4.88
110.00°	60.09	58.67	57.06	55.61	54.80
120.00°	178.17	176.92	172.47	168.15	166.89
130.00°	309.98	306.96	301.40	296.70	294.68
140.00°	427.02	425.31	419.43	415.20	413.12
150.00°	517.37	514.99	511.52	509.42	506.86
160.00°	572.17	574.31	573.50	569.85	571.13
170.00°	613.03	613.93	610.81	609.81	609.04
180.00°	643.57	643.57	643.57	643.57	643.57

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

	0.00°	45.00°	90.00°
0.00°	18,324	18,324	18,324
45.00°	16,553	7,950	6,515
55.00°	15,696	6,161	4,867
65.00°	14,243	4,299	3,250
75.00°	11,950	2,392	1,709
85.00°	9,125	790	522



**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>	3,837	3,837	3,837	3,837	3,580	3,580	3,580	3,580	3,101	3,101	3,101	2,663	2,663	2,663	2,260	2,260	2,260	2,071
	<b>1</b>	3,503	3,347	3,208	3,083	3,263	3,129	3,008	2,898	2,719	2,629	2,547	2,343	2,278	2,217	1,996	1,950	1,907	1,741
	<b>2</b>	3,190	2,925	2,706	2,523	2,967	2,737	2,545	2,382	2,384	2,238	2,112	2,059	1,950	1,854	1,758	1,678	1,607	1,460
	<b>3</b>	2,912	2,574	2,312	2,104	2,707	2,411	2,180	1,993	2,106	1,926	1,778	1,822	1,686	1,571	1,560	1,458	1,371	1,239
	<b>4</b>	2,667	2,282	2,000	1,784	2,479	2,141	1,889	1,695	1,874	1,676	1,520	1,627	1,474	1,350	1,397	1,280	1,184	1,066
	<b>5</b>	2,452	2,038	1,748	1,535	2,279	1,914	1,655	1,461	1,681	1,475	1,316	1,464	1,302	1,174	1,262	1,136	1,036	929
	<b>6</b>	2,262	1,832	1,544	1,337	2,104	1,724	1,464	1,275	1,519	1,309	1,153	1,327	1,161	1,033	1,148	1,018	916	820
	<b>7</b>	2,095	1,658	1,375	1,177	1,951	1,563	1,306	1,124	1,382	1,173	1,021	1,212	1,044	919	1,052	920	818	731
	<b>8</b>	1,948	1,510	1,235	1,046	1,816	1,426	1,175	1,001	1,264	1,059	912	1,113	946	824	970	837	738	658
	<b>9</b>	1,818	1,383	1,117	937	1,697	1,308	1,065	899	1,163	962	822	1,027	863	745	899	767	670	597
	<b>10</b>	1,702	1,274	1,018	847	1,591	1,206	971	813	1,076	881	746	953	793	679	838	707	613	546

**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