



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

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

#### **Test Number**

IES-P00240

#### **Test Date**

Mon Oct 07 11:03:14 2019

The results contained in this report pertain only to the tested sample.  
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BLD-4-PR-4-D5-30-80-FW-W

Blade 4" - White Housing - Suspended - Direct - Regressed Frosted White Lens  
LED (3000K 80+ CRI)

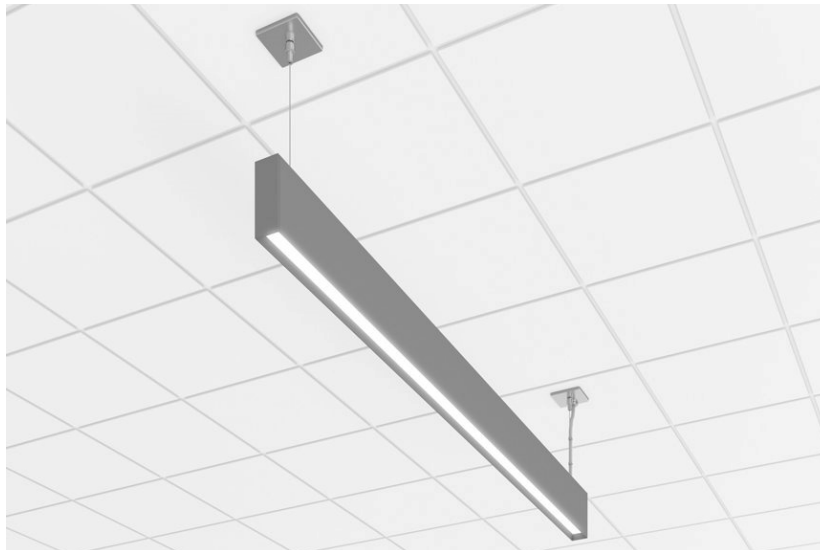


Image may differ slightly from actual unit.

### Summary of Results

#### Output:

<b>Watts:</b>	28.96 W
<b>Lumens:</b>	2,014.44 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	69.2 lm/W

#### Spacing Criterion

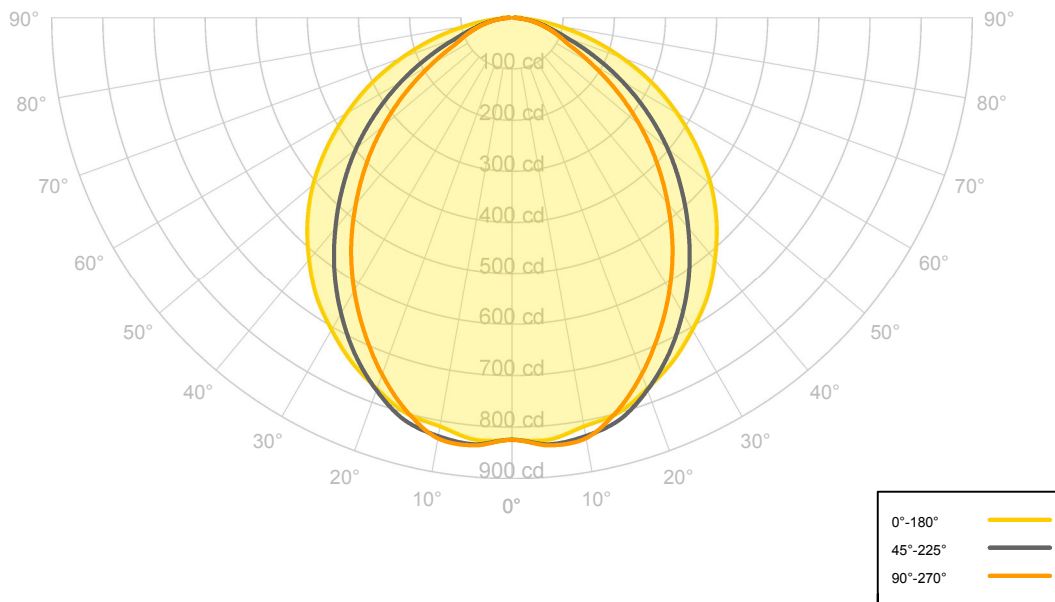
<b>Two luminaires, plane 0°</b>	1.26
<b>Two luminaires, plane 90°</b>	1.12
<b>Four luminaires</b>	1.27

#### Full Beam Angle

<b>0° - 180°</b>	113.11°
<b>90° - 270°</b>	87.46°

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°	95.03	4.72%	90° - 100°	1.13	0.06%
10° - 20°	225.91	11.21%	100° - 110°	0.00	0.00%
20° - 30°	331.06	16.43%	100° - 120°	0.00	0.00%
30° - 40°	378.80	18.80%	120° - 130°	0.00	0.00%
40° - 50°	366.49	18.19%	130° - 140°	0.00	0.00%
50° - 60°	298.63	14.82%	140° - 150°	0.00	0.00%
60° - 70°	193.79	9.62%	150° - 160°	0.00	0.00%
70° - 80°	97.60	4.84%	160° - 170°	0.00	0.00%
80° - 90°	27.13	1.35%	170° - 180°	0.00	0.00%
0° - 90°	2,014.44	100.00%	0° - 180°	2,014.44	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	825.50	825.50	825.50	825.50	825.50
5.00°	827.52	827.48	837.69	837.68	839.88
10.00°	810.74	822.21	831.02	833.75	835.40
15.00°	800.06	810.61	814.29	800.57	796.44
20.00°	771.97	790.73	775.12	757.69	742.52
25.00°	742.36	756.52	726.16	694.11	680.96
30.00°	705.30	714.35	667.98	630.22	616.45
35.00°	666.23	659.85	605.13	561.98	548.08
40.00°	617.03	602.71	536.88	491.98	474.40
45.00°	565.50	538.19	467.66	418.91	401.43
50.00°	507.68	472.15	397.62	345.56	326.96
55.00°	441.44	400.02	323.92	271.27	251.66
60.00°	372.33	326.57	249.92	197.70	179.74
65.00°	303.20	253.62	177.56	130.11	121.08
70.00°	228.46	181.45	113.83	94.72	91.76
75.00°	157.30	111.83	72.86	66.84	65.87
80.00°	90.40	57.22	44.48	41.78	41.04
85.00°	34.20	21.99	19.82	18.81	18.59
90.00°	5.00	4.22	4.09	3.81	3.76

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

	0.00°	45.00°	90.00°
0.00°	20,990	20,990	20,990
45.00°	20,335	16,816	14,435
55.00°	19,569	14,359	11,156
65.00°	18,242	10,683	7,285
75.00°	15,453	7,158	6,471
85.00°	9,977	5,782	5,423



**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

<b>RCR</b>	<b>pf<sub>c</sub></b>	20%	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>0</b>	2,399	2,399	2,399	2,399	2,343	2,343	2,343	2,343	2,239	2,239	2,239	2,143	2,143	2,143	2,056	2,056	2,056	2,014
	<b>1</b>	2,211	2,123	2,044	1,972	2,157	2,077	2,005	1,940	1,992	1,933	1,879	1,914	1,866	1,821	1,842	1,803	1,767	1,726
	<b>2</b>	2,026	1,872	1,745	1,638	1,974	1,834	1,717	1,618	1,764	1,665	1,581	1,698	1,617	1,545	1,638	1,571	1,511	1,469
	<b>3</b>	1,859	1,660	1,507	1,384	1,810	1,629	1,487	1,372	1,570	1,448	1,348	1,515	1,411	1,324	1,464	1,377	1,302	1,260
	<b>4</b>	1,711	1,483	1,316	1,189	1,666	1,457	1,301	1,181	1,407	1,272	1,165	1,361	1,244	1,149	1,318	1,217	1,134	1,092
	<b>5</b>	1,580	1,335	1,163	1,036	1,539	1,312	1,151	1,030	1,270	1,128	1,019	1,231	1,106	1,008	1,195	1,085	998	957
	<b>6</b>	1,465	1,209	1,037	914	1,427	1,190	1,028	910	1,154	1,010	902	1,121	992	894	1,090	976	886	846
	<b>7</b>	1,363	1,102	933	814	1,329	1,086	925	811	1,055	911	805	1,027	897	800	1,000	883	794	756
	<b>8</b>	1,272	1,010	845	732	1,241	996	839	730	970	827	725	946	816	721	923	805	717	680
<b>9</b>	1,192	931	771	663	1,164	919	766	662	897	757	658	875	747	655	855	738	652	616	
<b>10</b>	1,120	862	708	605	1,094	852	704	604	832	696	602	814	688	599	796	680	596	562	

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	23 fc	18 ft	11 ft
8 ft	13 fc	24 ft	15 ft
10 ft	8 fc	30 ft	19 ft
12 ft	6 fc	36 ft	23 ft
15 ft	4 fc	45 ft	29 ft