



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

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

#### **Test Number**

IES-P00239

#### **Test Date**

Mon Oct 07 11:48:17 2019

The results contained in this report pertain only to the tested sample.  
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BLD-4-PR-4-D3-30-80-FW-W  
Blade 4" - White Housing - Suspended - Direct - Regressed Frosted White Lens  
LED (3000K 80+ CRI)

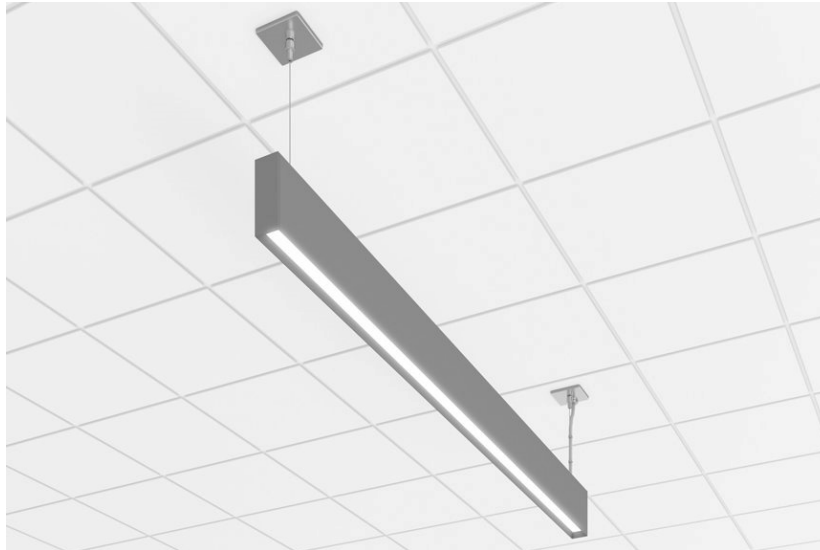


Image may differ slightly from actual unit.

**Summary of Results**

**Output:**

<b>Watts:</b>	20.35 W
<b>Lumens:</b>	1,411.37 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	68.97 lm/W

**Spacing Criterion**

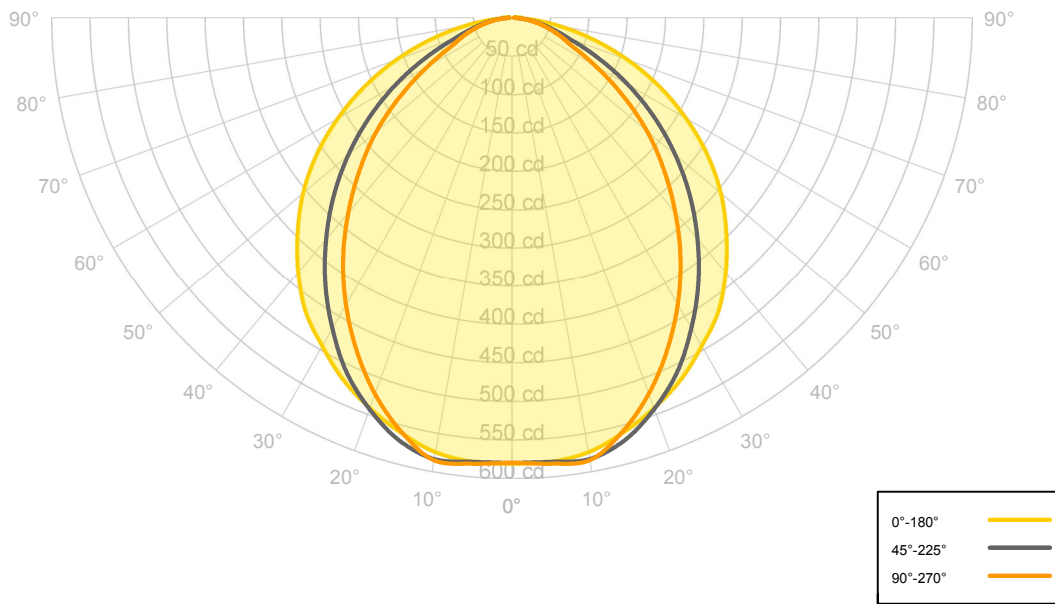
<b>Two luminaires, plane 0°</b>	1.26
<b>Two luminaires, plane 90°</b>	1.12
<b>Four luminaires</b>	1.27

**Full Beam Angle**

<b>0° - 180°</b>	113.62°
<b>90° - 270°</b>	87.56°

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°	66.49	4.71%	90° - 100°	0.80	0.06%
10° - 20°	158.20	11.21%	100° - 110°	0.00	0.00%
20° - 30°	232.04	16.44%	100° - 120°	0.00	0.00%
30° - 40°	265.50	18.81%	120° - 130°	0.00	0.00%
40° - 50°	256.69	18.19%	130° - 140°	0.00	0.00%
50° - 60°	209.31	14.83%	140° - 150°	0.00	0.00%
60° - 70°	135.83	9.62%	150° - 160°	0.00	0.00%
70° - 80°	68.25	4.84%	160° - 170°	0.00	0.00%
80° - 90°	19.05	1.35%	170° - 180°	0.00	0.00%
0° - 90°	1,411.37	100.00%	0° - 180°	1,411.37	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	580.69	580.69	580.69	580.69	580.69
5.00°	580.52	579.62	581.47	580.30	583.93
10.00°	574.47	573.08	584.52	584.29	586.00
15.00°	559.55	566.69	570.22	561.28	558.55
20.00°	541.38	551.35	543.09	529.32	522.10
25.00°	520.60	529.06	510.14	487.65	478.90
30.00°	494.51	499.71	468.04	441.50	432.60
35.00°	468.72	463.12	423.95	394.03	383.56
40.00°	433.37	420.87	376.72	344.63	331.70
45.00°	394.93	377.22	328.43	293.75	280.49
50.00°	355.36	329.55	278.40	241.95	230.20
55.00°	310.69	280.61	227.08	189.67	176.55
60.00°	261.76	229.09	175.30	138.34	125.99
65.00°	211.73	177.57	124.34	91.65	85.39
70.00°	160.07	126.62	79.25	66.70	65.01
75.00°	109.03	78.29	51.38	46.83	45.52
80.00°	62.88	40.19	31.27	29.01	28.58
85.00°	23.97	15.56	14.00	13.34	13.09
90.00°	3.40	2.98	2.96	2.69	2.61

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

	0.00°	45.00°	90.00°
0.00°	14,765	14,765	14,765
45.00°	14,201	11,810	10,086
55.00°	13,773	10,066	7,826
65.00°	12,739	7,481	5,137
75.00°	10,711	5,048	4,472
85.00°	6,993	4,084	3,819



**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

<b>RCR</b>	<b>pfc</b>	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	<b>pcc</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>	1,681	1,681	1,681	1,681	1,642	1,642	1,642	1,642	1,569	1,569	1,569	1,502	1,502	1,502	1,440	1,440	1,440	1,411
	<b>1</b>	1,549	1,487	1,432	1,382	1,511	1,455	1,405	1,359	1,396	1,354	1,316	1,341	1,307	1,276	1,290	1,263	1,238	1,210
	<b>2</b>	1,419	1,312	1,222	1,148	1,383	1,285	1,203	1,134	1,236	1,167	1,107	1,190	1,133	1,082	1,148	1,100	1,058	1,029
	<b>3</b>	1,302	1,163	1,056	970	1,268	1,141	1,041	961	1,100	1,014	944	1,061	989	928	1,026	965	912	883
	<b>4</b>	1,199	1,039	922	833	1,167	1,021	912	827	986	891	816	954	872	805	923	853	794	765
	<b>5</b>	1,107	935	815	726	1,078	919	806	722	890	790	714	863	775	706	837	760	699	670
	<b>6</b>	1,026	847	726	640	1,000	834	720	637	809	707	632	785	695	626	764	683	621	593
	<b>7</b>	955	772	653	570	931	761	648	568	739	638	564	719	628	560	701	619	556	529
	<b>8</b>	891	708	592	513	870	698	588	511	680	580	508	662	572	505	646	564	502	476
<b>9</b>	835	652	540	465	815	644	537	464	628	530	461	613	523	459	599	517	457	432	
<b>10</b>	784	604	496	424	767	597	493	423	583	487	421	570	482	420	558	477	418	394	

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	16 fc	18 ft	11 ft
8 ft	9 fc	24 ft	15 ft
10 ft	6 fc	31 ft	19 ft
12 ft	4 fc	37 ft	23 ft
15 ft	3 fc	46 ft	29 ft