



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-PR-4-D3-I3-30-80-FW-W

Blade 2" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens

Test Number

IES-P00229

Test Date

Fri Oct 04 12:27:39 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PR-4-D3-I3-30-80-FW-W

Blade 2" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens
LED (3000K 80+ CRI)

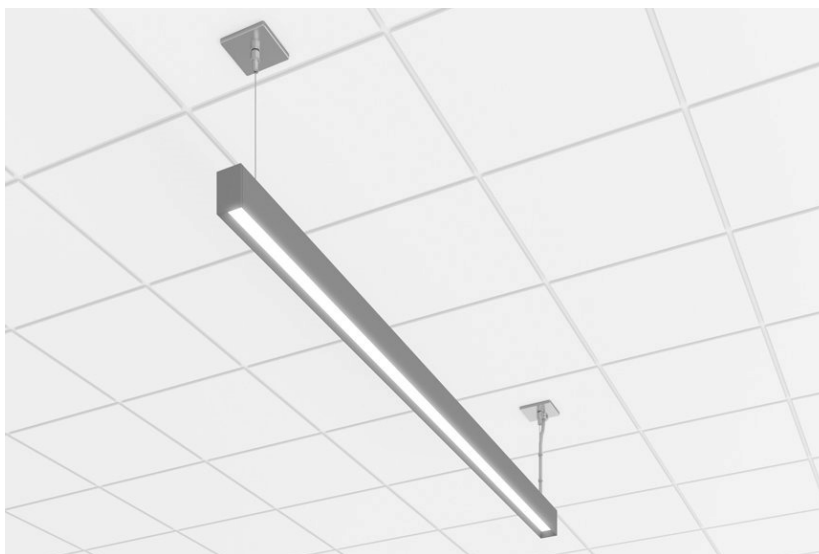


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	30.07 W
Lumens:	2,869.99 lm
Efficiency:	N/A
Efficacy:	93.31 lm/W

Spacing Criterion

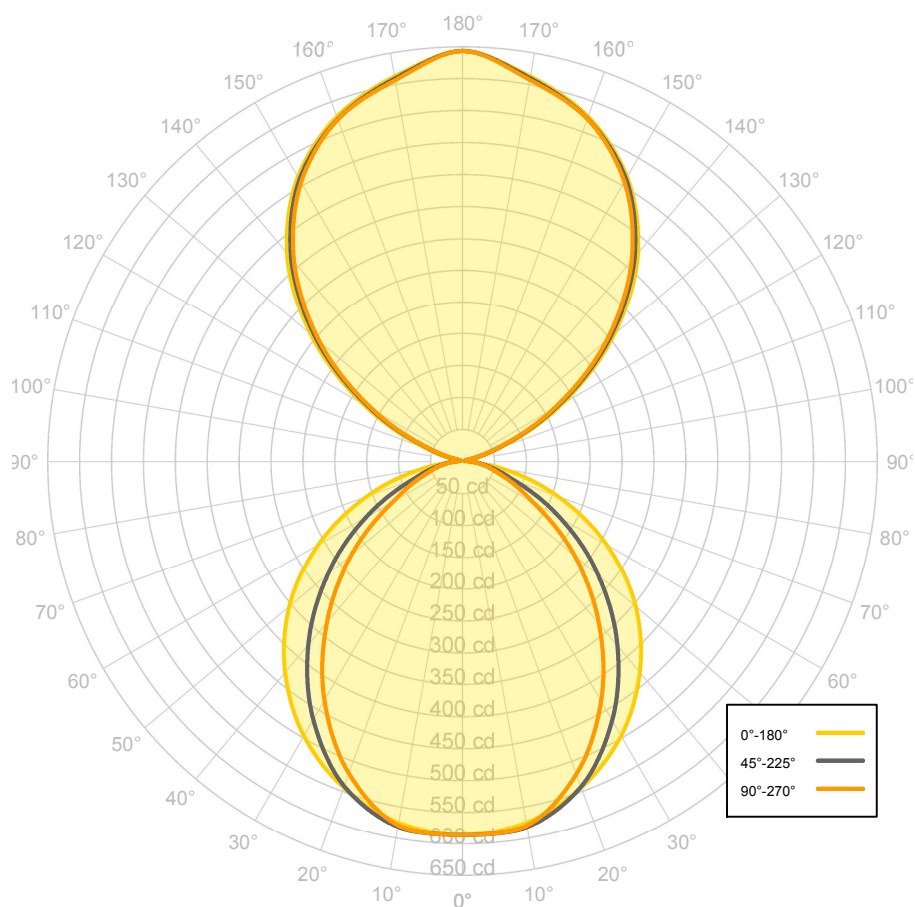
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.11
Four luminaires	1.26

Full Beam Angle

0° - 180°	261.92°
90° - 270°	264.5°

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°	100.11	3.49%	90° - 100°	4.28	0.15%
10° - 20°	156.26	5.44%	100° - 110°	32.01	1.12%
20° - 30°	229.69	8.00%	100° - 120°	143.24	4.99%
30° - 40°	262.78	9.16%	120° - 130°	208.37	7.26%
40° - 50°	253.30	8.83%	130° - 140°	274.60	9.57%
50° - 60°	205.43	7.16%	140° - 150°	287.98	10.03%
60° - 70°	134.98	4.70%	150° - 160°	247.25	8.62%
70° - 80°	67.96	2.37%	160° - 170°	165.34	5.76%
80° - 90°	21.05	0.73%	170° - 180°	107.36	3.74%
0° - 90°	1,431.56	49.88%	0° - 180°	2,869.99	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	587.12	587.12	587.12	587.12	587.12
10.00°	575.61	576.35	584.01	582.35	581.79
20.00°	544.21	551.18	544.11	529.74	522.80
30.00°	496.92	501.18	469.44	442.72	434.45
40.00°	432.19	421.78	377.39	343.17	332.05
50.00°	354.17	329.37	276.35	240.13	226.36
60.00°	260.63	227.49	172.91	135.60	122.87
70.00°	158.84	124.16	79.00	64.59	62.73
80.00°	61.97	39.68	30.28	28.13	27.56
90.00°	4.08	3.14	3.17	3.16	3.15
100.00°	4.35	4.35	4.65	4.89	4.79
110.00°	59.88	59.14	57.20	55.71	54.97
120.00°	178.98	176.15	172.05	168.18	166.60
130.00°	310.38	306.59	302.08	296.32	295.20
140.00°	427.87	425.60	419.97	415.12	412.82
150.00°	515.88	515.58	511.65	507.42	506.77
160.00°	575.46	575.07	571.70	569.30	571.28
170.00°	613.02	615.00	609.87	610.74	607.07
180.00°	643.29	643.29	643.29	643.29	643.29

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	14,870	14,870	14,870
45.00°	13,519	5,474	3,893
55.00°	12,811	3,777	2,380
65.00°	11,538	2,193	1,274
75.00°	9,350	1,019	645
85.00°	6,501	347	236



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pfc	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	pcc	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	3,074	3,074	3,074	3,074	2,835	2,835	2,835	2,835	2,390	2,390	2,390	1,982	1,982	1,982	1,608	1,608	1,608	1,432
	1	2,818	2,698	2,591	2,494	2,596	2,494	2,403	2,320	2,113	2,047	1,987	1,762	1,717	1,675	1,439	1,409	1,381	1,230
	2	2,576	2,372	2,203	2,061	2,371	2,196	2,050	1,926	1,867	1,760	1,667	1,563	1,487	1,419	1,282	1,230	1,183	1,051
	3	2,359	2,097	1,894	1,732	2,170	1,945	1,768	1,625	1,659	1,526	1,417	1,394	1,298	1,216	1,149	1,081	1,023	906
	4	2,165	1,865	1,645	1,477	1,992	1,733	1,540	1,390	1,483	1,336	1,220	1,252	1,143	1,054	1,036	958	893	790
	5	1,993	1,669	1,443	1,276	1,835	1,554	1,354	1,204	1,335	1,181	1,062	1,131	1,015	924	941	856	788	697
	6	1,841	1,504	1,277	1,115	1,696	1,402	1,200	1,054	1,209	1,052	935	1,029	909	817	860	772	702	620
	7	1,706	1,362	1,139	983	1,574	1,272	1,073	932	1,101	944	830	941	820	730	791	700	631	558
	8	1,587	1,242	1,024	875	1,465	1,162	967	831	1,009	854	743	866	745	657	731	640	572	505
	9	1,481	1,138	927	785	1,369	1,066	877	747	929	777	671	801	681	596	679	588	522	461
10	1,387	1,048	845	710	1,284	983	800	676	860	712	610	744	627	544	634	544	479	424	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	16 fc	0 ft	0 ft
8 ft	9 fc	0 ft	0 ft
10 ft	6 fc	0 ft	0 ft
12 ft	4 fc	0 ft	0 ft
15 ft	3 fc	0 ft	0 ft