



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-D3-30-80-FW-W

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

Test Number

IES-P00215

Test Date

Tue Oct 01 09:20:10 2019

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

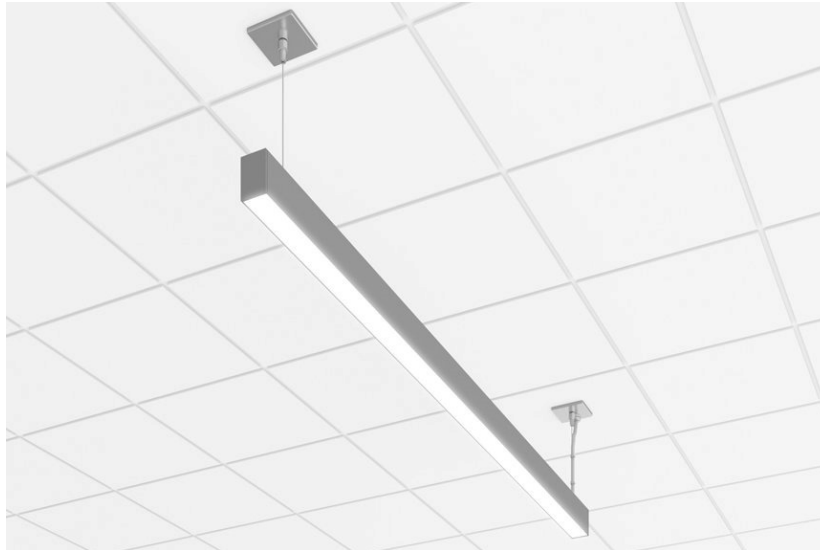


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	20.5 W
Lumens:	1,431.16 lm
Efficiency:	N/A
Efficacy:	69.5 lm/W

Spacing Criterion

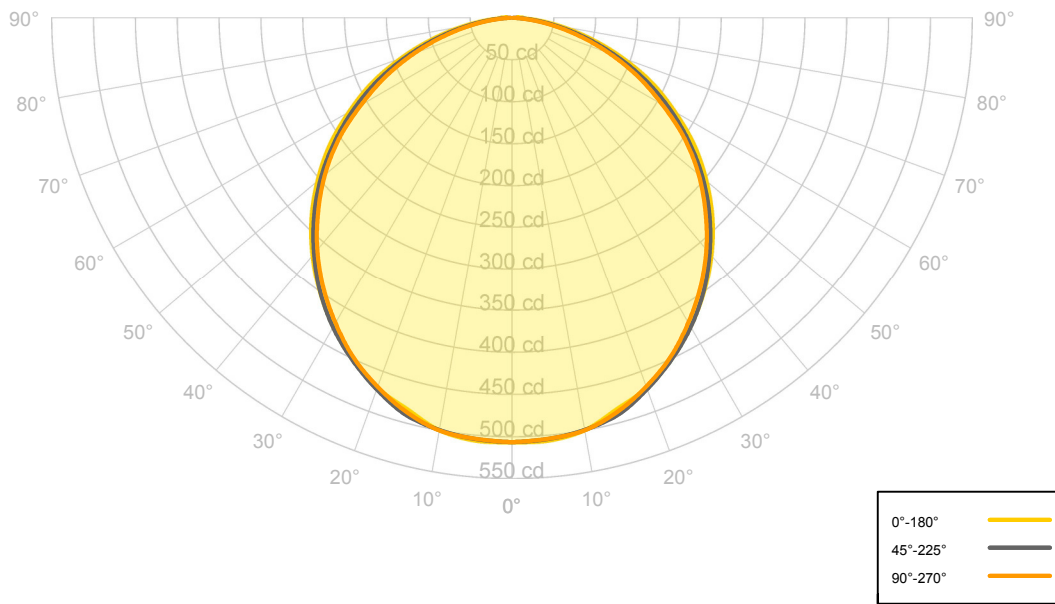
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.23
Four luminaires	1.37

Full Beam Angle

0° - 180°	113.1°
90° - 270°	109.68°

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°	57.60	4.02%	90° - 100°	0.71	0.05%
10° - 20°	137.28	9.59%	100° - 110°	0.00	0.00%
20° - 30°	207.18	14.48%	100° - 120°	0.00	0.00%
30° - 40°	248.49	17.36%	120° - 130°	0.00	0.00%
40° - 50°	256.51	17.92%	130° - 140°	0.00	0.00%
50° - 60°	230.10	16.08%	140° - 150°	0.00	0.00%
60° - 70°	172.75	12.07%	150° - 160°	0.00	0.00%
70° - 80°	95.59	6.68%	160° - 170°	0.00	0.00%
80° - 90°	25.65	1.79%	170° - 180°	0.00	0.00%
0° - 90°	1,431.16	100.00%	0° - 180°	1,431.16	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	507.25	507.25	507.25	507.25	507.25
5.00°	506.92	503.21	505.50	503.74	505.18
10.00°	500.21	495.42	500.40	502.97	500.87
15.00°	483.95	487.62	491.30	487.40	487.77
20.00°	470.70	475.00	472.67	470.87	469.38
25.00°	450.14	453.01	451.35	449.41	448.10
30.00°	426.52	431.38	427.46	425.15	421.50
35.00°	400.23	401.88	399.44	395.46	393.13
40.00°	370.92	371.92	367.86	363.49	361.86
45.00°	338.92	338.02	334.18	329.00	327.36
50.00°	303.52	301.96	297.90	293.15	291.67
55.00°	266.48	263.56	258.63	252.31	252.37
60.00°	225.00	223.17	217.62	211.55	207.64
65.00°	185.27	181.00	175.67	169.50	166.39
70.00°	140.83	138.54	131.42	126.05	123.86
75.00°	98.26	95.64	89.45	84.40	82.56
80.00°	59.73	55.70	50.82	47.18	45.98
85.00°	27.25	23.47	19.16	16.46	15.84
90.00°	6.45	3.37	1.68	1.46	1.23

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	12,898	12,898	12,898
45.00°	12,187	12,017	11,771
55.00°	11,813	11,465	11,188
65.00°	11,147	10,569	10,011
75.00°	9,653	8,788	8,111
85.00°	7,950	5,590	4,621



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pfc	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%
RCR	0	1,704	1,704	1,704	1,704	1,665	1,665	1,665	1,665	1,591	1,591	1,591	1,523	1,523	1,523	1,460	1,460	1,460	1,431
	1	1,558	1,490	1,430	1,375	1,519	1,458	1,402	1,352	1,397	1,351	1,309	1,341	1,304	1,269	1,289	1,259	1,231	1,201
	2	1,418	1,300	1,203	1,122	1,380	1,273	1,184	1,108	1,222	1,147	1,082	1,175	1,112	1,057	1,131	1,080	1,033	1,002
	3	1,293	1,143	1,026	934	1,258	1,120	1,012	925	1,077	985	909	1,038	959	893	1,001	934	877	846
	4	1,185	1,013	888	792	1,152	994	877	787	958	856	776	925	836	765	894	817	754	723
	5	1,090	906	778	683	1,060	890	770	679	860	753	672	831	738	664	805	723	657	627
	6	1,007	817	689	597	980	803	683	595	777	670	589	753	657	584	730	645	579	549
	7	935	742	616	529	910	730	611	527	708	601	523	687	591	519	668	581	515	486
	8	871	678	556	472	848	668	552	471	649	543	468	631	535	465	614	527	462	435
	9	814	623	505	426	794	614	502	425	598	495	423	582	488	420	568	481	418	392
	10	764	575	462	387	746	568	459	386	554	453	384	540	448	383	527	442	381	356

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	14 fc	18 ft	17 ft
8 ft	8 fc	24 ft	23 ft
10 ft	5 fc	30 ft	28 ft
12 ft	4 fc	36 ft	34 ft
15 ft	2 fc	45 ft	43 ft