



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-PD-4-D3-30-80-FW-W

Blade 4" - White Housing - Suspended - Semi-Direct - 1/2" Drop Frosted White Lens

Test Number

IES-P00245

Test Date

Tue Oct 08 11:28:18 2019

The results contained in this report pertain only to the tested sample.
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BLD-4-PD-4-D3-30-80-FW-W
Blade 4" - White Housing - Suspended - Semi-Direct - 1/2" Drop Frosted White Lens
LED (3000K 80+ CRI)

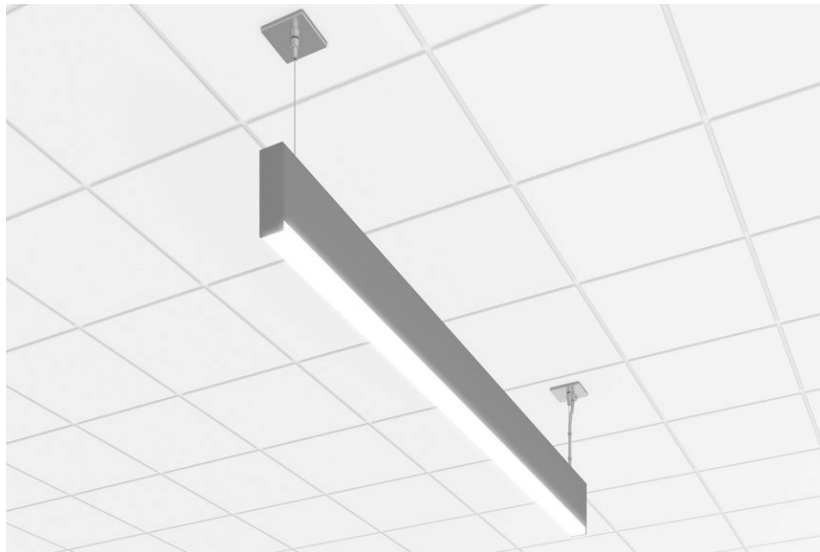


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	21.55 W
Lumens:	1,588.26 lm
Efficiency:	N/A
Efficacy:	72.67 lm/W

Spacing Criterion

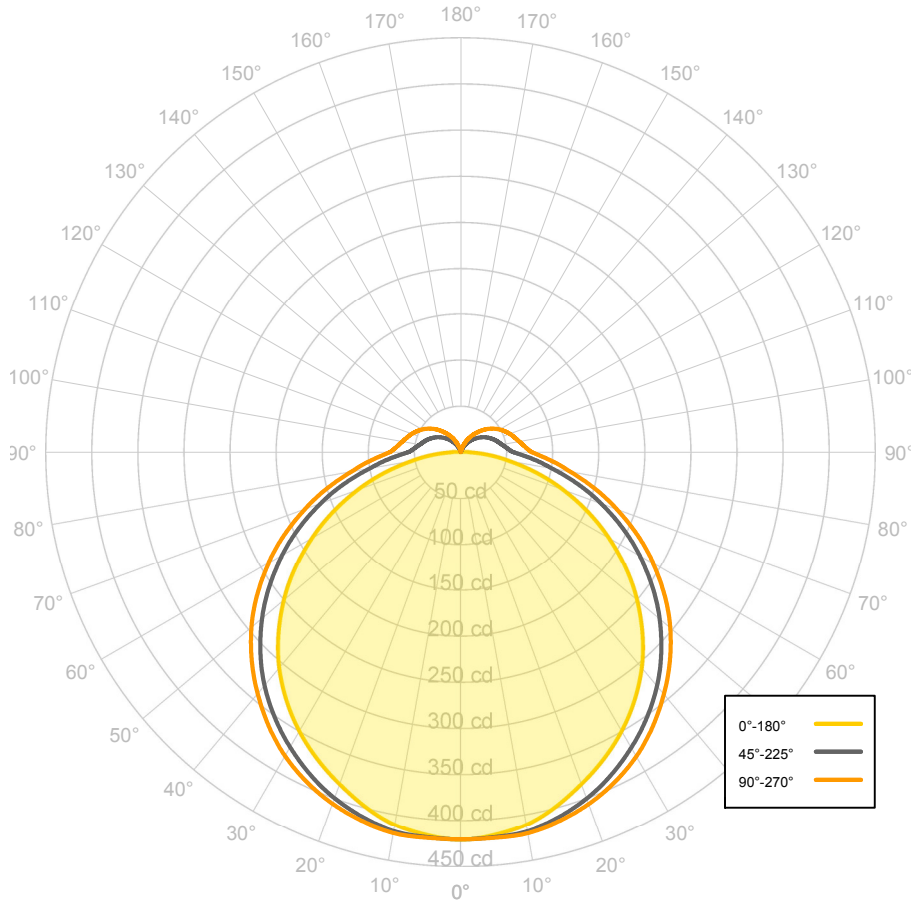
Two luminaires, plane 0°	1.23
Two luminaires, plane 90°	1.34
Four luminaires	1.43

Full Beam Angle

0° - 180°	112.18°
90° - 270°	129.71°

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°	71.87	4.53%	90° - 100°	49.25	3.10%
10° - 20°	114.33	7.20%	100° - 110°	39.21	2.47%
20° - 30°	175.87	11.07%	100° - 120°	70.06	4.41%
30° - 40°	216.89	13.66%	120° - 130°	22.09	1.39%
40° - 50°	232.32	14.63%	130° - 140°	13.83	0.87%
50° - 60°	220.53	13.89%	140° - 150°	7.02	0.44%
60° - 70°	183.66	11.56%	150° - 160°	2.42	0.15%
70° - 80°	129.93	8.18%	160° - 170°	0.37	0.02%
80° - 90°	77.82	4.90%	170° - 180°	0.00	0.00%
0° - 90°	1,423.22	89.61%	0° - 180°	1,588.26	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	421.12	421.12	421.12	421.12	421.12
10.00°	410.96	411.43	418.59	422.02	420.69
20.00°	383.44	394.97	400.95	403.50	407.36
30.00°	349.70	362.72	370.95	378.81	381.96
40.00°	305.95	317.11	331.84	341.06	343.45
50.00°	250.09	263.53	282.02	292.90	297.13
60.00°	185.94	202.07	223.82	237.02	241.02
70.00°	118.48	136.15	160.81	174.16	179.22
80.00°	53.56	73.63	98.51	113.60	119.23
90.00°	10.82	30.77	55.99	71.60	76.29
100.00°	3.11	21.47	45.20	59.92	64.30
110.00°	1.24	16.60	38.53	52.70	56.76
120.00°	0.24	11.88	31.38	44.02	48.52
130.00°	0.01	7.22	23.23	34.62	38.64
140.00°	0.01	3.19	15.26	24.39	27.37
150.00°	0.00	0.54	7.22	13.85	16.53
160.00°	0.00	0.01	0.99	4.16	5.67
170.00°	0.00	0.00	0.00	0.00	0.01
180.00°	0.00	0.00	0.00	0.00	0.00

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	10,708	10,708	10,708
45.00°	9,894	8,584	8,264
55.00°	9,523	7,962	7,635
65.00°	8,958	7,174	6,855
75.00°	8,134	6,164	5,937
85.00°	8,392	5,283	5,185



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pf_c	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	pc_c	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	1,851	1,851	1,851	1,851	1,789	1,789	1,789	1,789	1,673	1,673	1,673	1,567	1,567	1,567	1,469	1,469	1,469	1,423
	1	1,665	1,579	1,503	1,434	1,604	1,527	1,457	1,395	1,428	1,372	1,320	1,338	1,292	1,250	1,254	1,218	1,185	1,139
	2	1,506	1,365	1,249	1,152	1,447	1,321	1,215	1,125	1,237	1,149	1,074	1,160	1,088	1,024	1,088	1,030	977	933
	3	1,369	1,194	1,058	950	1,315	1,156	1,031	931	1,084	980	893	1,018	931	857	957	884	822	779
	4	1,252	1,056	912	802	1,202	1,023	890	787	962	848	758	905	809	730	852	771	703	662
	5	1,151	942	797	689	1,105	915	779	677	862	745	655	813	712	633	767	681	611	572
	6	1,063	849	704	601	1,022	825	690	592	779	661	574	737	634	556	697	608	538	501
	7	986	770	629	531	949	749	617	523	710	593	508	673	570	494	638	548	479	445
	8	919	703	568	474	885	685	557	468	651	537	455	618	517	443	588	498	431	398
9	860	646	516	428	829	631	507	422	600	489	412	572	472	401	545	456	391	360	
10	807	598	472	389	779	584	464	384	557	449	375	531	434	366	507	420	357	328	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	12 fc	18 ft	26 ft
8 ft	7 fc	24 ft	34 ft
10 ft	4 fc	30 ft	43 ft
12 ft	3 fc	36 ft	51 ft
15 ft	2 fc	45 ft	64 ft