



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-PD-4-D5-30-80-FW-W

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

Test Number

IES-P00228

Test Date

Fri Oct 04 08:43:26 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PD-4-D5-30-80-FW-W
Blade 2" - White Housing - Suspended - Semi-Direct - 1/2" Drop Frosted White Lens
LED (3000K 80+ CRI)

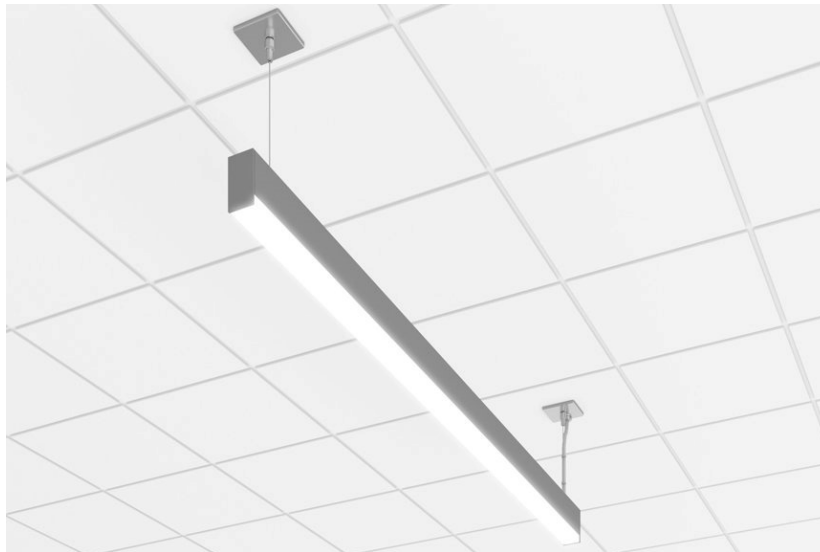


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	29.47 W
Lumens:	2,285.28 lm
Efficiency:	N/A
Efficacy:	76.48 lm/W

Spacing Criterion

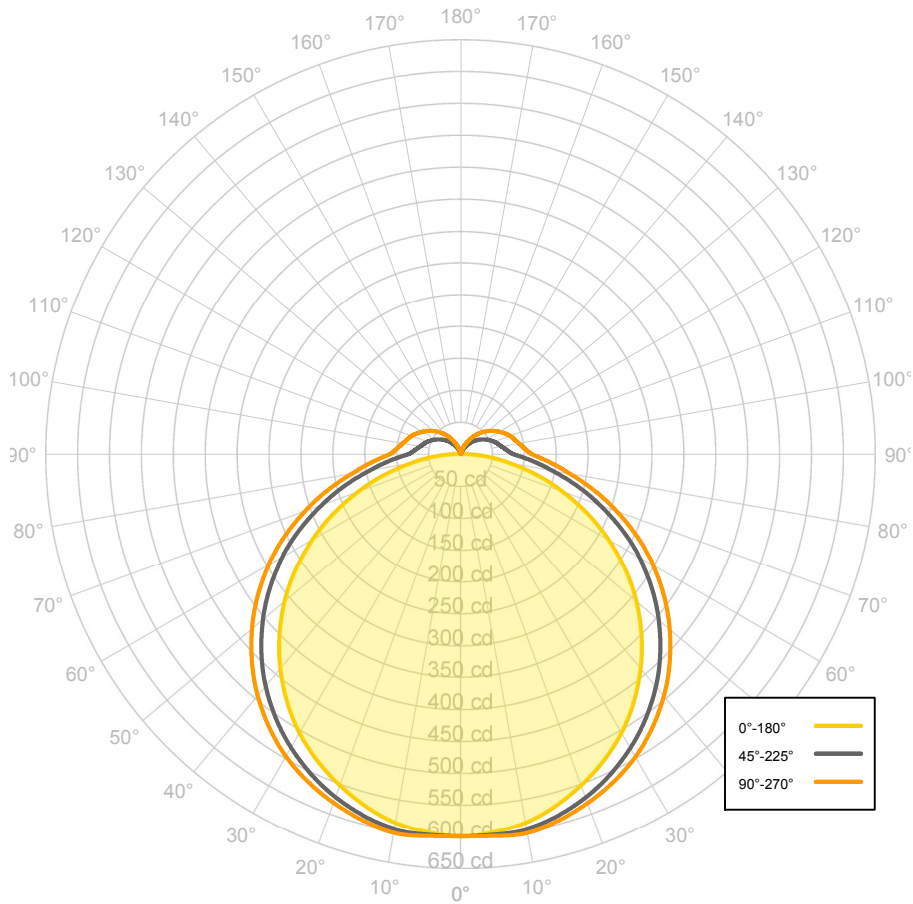
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.35
Four luminaires	1.44

Full Beam Angle

0° - 180°	112.61°
90° - 270°	130.31°

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°	102.56	4.49%	90° - 100°	70.96	3.11%
10° - 20°	163.90	7.17%	100° - 110°	56.52	2.47%
20° - 30°	252.63	11.05%	100° - 120°	100.91	4.42%
30° - 40°	311.83	13.65%	120° - 130°	31.73	1.39%
40° - 50°	334.45	14.63%	130° - 140°	19.90	0.87%
50° - 60°	317.93	13.91%	140° - 150°	10.13	0.44%
60° - 70°	264.88	11.59%	150° - 160°	3.49	0.15%
70° - 80°	187.29	8.20%	160° - 170°	0.53	0.02%
80° - 90°	112.18	4.91%	170° - 180°	0.00	0.00%
0° - 90°	2,047.64	89.60%	0° - 180°	2,285.28	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	600.04	600.04	600.04	600.04	600.04
10.00°	587.09	587.48	598.58	601.35	603.95
20.00°	552.47	566.54	574.16	581.81	583.52
30.00°	504.56	518.79	532.92	545.32	548.91
40.00°	439.05	455.71	476.64	491.60	496.03
50.00°	359.78	378.94	405.57	423.50	428.00
60.00°	268.09	291.18	323.05	342.15	348.32
70.00°	169.92	196.92	230.24	252.17	258.45
80.00°	77.56	105.82	141.86	164.67	170.88
90.00°	15.46	44.41	80.58	103.18	110.13
100.00°	4.43	30.89	64.98	86.47	92.63
110.00°	1.87	24.08	55.54	75.79	82.13
120.00°	0.34	17.04	44.79	63.54	69.27
130.00°	0.01	10.35	33.66	49.71	55.42
140.00°	0.01	4.55	21.89	34.88	40.24
150.00°	0.01	0.81	10.55	20.10	23.51
160.00°	0.00	0.01	1.46	5.80	7.95
170.00°	0.00	0.00	0.00	0.00	0.00
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°	15,257	15,257	15,257
45.00°	14,214	12,336	11,920
55.00°	13,713	11,469	11,014
65.00°	12,888	10,320	9,897
75.00°	11,701	8,845	8,540
85.00°	12,125	7,606	7,453



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pf_c	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%
RCR	0	2,664	2,664	2,664	2,664	2,574	2,574	2,574	2,574	2,407	2,407	2,407	2,254	2,254	2,254	2,114	2,114	2,114	2,048
	1	2,395	2,272	2,162	2,062	2,307	2,196	2,097	2,006	2,054	1,973	1,899	1,924	1,859	1,798	1,804	1,752	1,704	1,638
	2	2,166	1,964	1,797	1,656	2,082	1,900	1,747	1,618	1,779	1,653	1,544	1,668	1,564	1,473	1,565	1,480	1,405	1,341
	3	1,970	1,717	1,522	1,366	1,891	1,662	1,483	1,338	1,559	1,408	1,284	1,464	1,338	1,232	1,376	1,271	1,181	1,120
	4	1,801	1,518	1,311	1,152	1,729	1,471	1,279	1,131	1,383	1,219	1,090	1,301	1,162	1,050	1,225	1,108	1,011	952
	5	1,655	1,355	1,145	990	1,589	1,315	1,119	973	1,239	1,070	941	1,169	1,023	909	1,103	978	878	822
	6	1,529	1,220	1,012	863	1,469	1,185	991	850	1,120	950	824	1,059	911	798	1,001	873	773	720
	7	1,418	1,106	904	763	1,364	1,077	887	752	1,020	852	730	966	819	709	917	787	688	638
	8	1,321	1,011	815	681	1,272	985	800	672	935	771	654	888	742	636	844	715	618	571
	9	1,236	929	741	614	1,191	906	728	606	862	703	591	821	678	576	782	655	561	517
	10	1,160	859	678	558	1,119	838	667	551	800	645	538	763	624	525	729	603	512	471

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	17 fc	18 ft	26 ft
8 ft	9 fc	24 ft	35 ft
10 ft	6 fc	30 ft	43 ft
12 ft	4 fc	36 ft	52 ft
15 ft	3 fc	45 ft	65 ft