



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-D3-I5-30-80-FW-W

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

Test Number

IES-P00224

Test Date

Thu Oct 03 14:17:48 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PD-4-D3-I5-30-80-FW-W
Blade 2" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens
LED (3000K 80+ CRI)

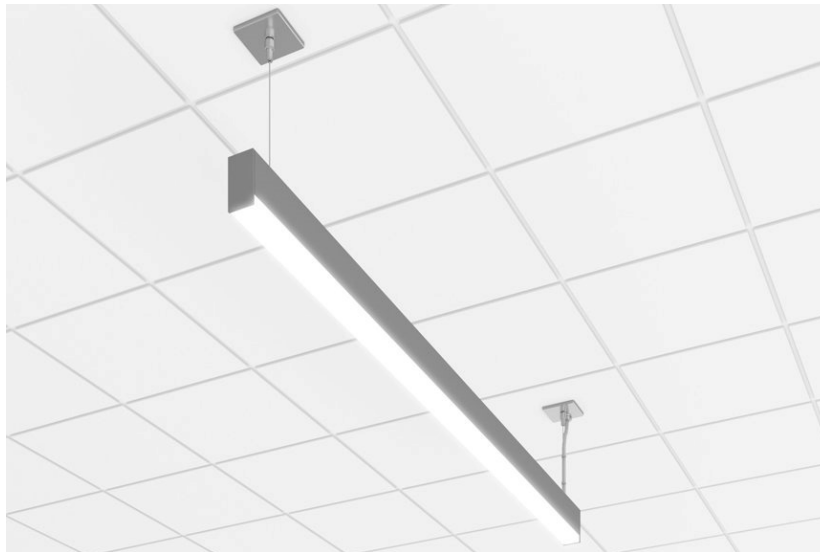


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	34.84 W
Lumens:	3,504.96 lm
Efficiency:	N/A
Efficacy:	98.67 lm/W

Spacing Criterion

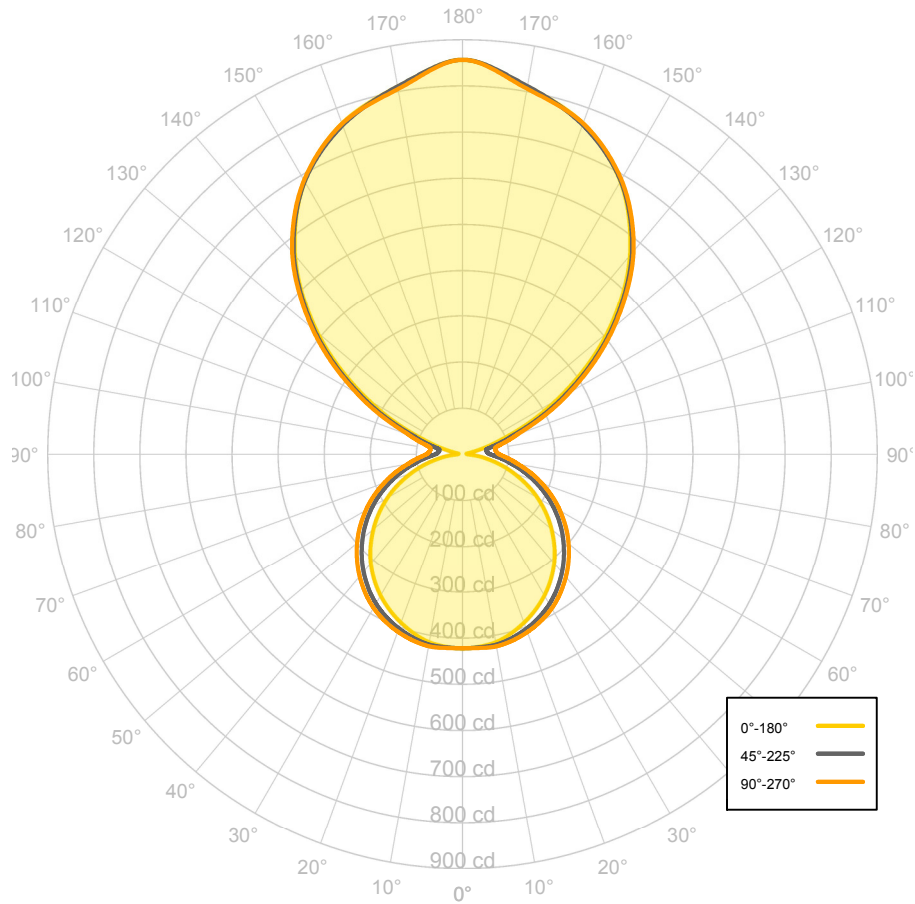
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.35
Four luminaires	1.44

Full Beam Angle

0° - 180°	360°
90° - 270°	360°

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°	72.30	2.06%	90° - 100°	52.86	1.51%
10° - 20°	115.54	3.30%	100° - 110°	81.44	2.32%
20° - 30°	178.11	5.08%	100° - 120°	259.10	7.39%
30° - 40°	219.56	6.26%	120° - 130°	297.65	8.49%
40° - 50°	234.72	6.70%	130° - 140°	377.71	10.78%
50° - 60°	222.51	6.35%	140° - 150°	389.03	11.10%
60° - 70°	184.86	5.27%	150° - 160°	330.51	9.43%
70° - 80°	130.09	3.71%	160° - 170°	219.84	6.27%
80° - 90°	77.95	2.22%	170° - 180°	142.63	4.07%
0° - 90°	1,435.63	40.96%	0° - 180°	3,504.96	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	422.69	422.69	422.69	422.69	422.69
10.00°	415.11	415.43	421.12	424.51	424.95
20.00°	390.02	398.27	404.68	409.96	412.02
30.00°	355.24	365.85	376.74	384.06	387.41
40.00°	309.49	321.02	335.39	344.30	348.61
50.00°	252.22	265.29	284.21	296.75	299.80
60.00°	187.97	203.45	225.59	239.71	242.67
70.00°	117.47	137.30	160.86	175.10	180.34
80.00°	52.74	72.99	98.57	113.92	118.78
90.00°	10.47	30.79	56.75	72.44	77.08
100.00°	8.70	26.91	51.61	66.78	71.11
110.00°	80.63	94.06	113.74	125.96	129.75
120.00°	236.50	244.51	258.89	266.06	268.93
130.00°	410.85	412.47	422.70	427.41	429.08
140.00°	565.35	567.91	572.04	575.50	577.62
150.00°	685.29	682.09	685.85	688.16	688.84
160.00°	764.56	761.66	760.94	761.33	764.44
170.00°	810.47	814.69	811.40	809.04	805.55
180.00°	856.45	856.45	856.45	856.45	856.45

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	10,748	10,748	10,748
45.00°	9,599	4,587	3,927
55.00°	9,081	3,716	3,155
65.00°	8,265	2,861	2,437
75.00°	7,000	2,012	1,760
85.00°	5,780	1,307	1,216



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	3,680	3,680	3,680	3,680	3,354	3,354	3,354	3,354	2,745	2,745	2,745	2,188	2,188	2,188	1,676	1,676	1,676	1,436
	1	3,328	3,166	3,020	2,889	3,023	2,886	2,761	2,649	2,361	2,272	2,191	1,879	1,818	1,761	1,435	1,395	1,357	1,150
	2	3,019	2,749	2,527	2,340	2,737	2,508	2,316	2,153	2,053	1,914	1,793	1,635	1,536	1,450	1,247	1,181	1,123	942
	3	2,747	2,407	2,144	1,935	2,488	2,198	1,969	1,786	1,802	1,634	1,495	1,437	1,316	1,215	1,097	1,015	945	787
	4	2,509	2,124	1,843	1,628	2,272	1,941	1,696	1,505	1,596	1,412	1,266	1,275	1,142	1,034	977	884	808	669
	5	2,300	1,888	1,601	1,388	2,083	1,728	1,475	1,287	1,424	1,233	1,087	1,142	1,002	892	878	780	701	578
	6	2,116	1,690	1,404	1,198	1,917	1,548	1,296	1,113	1,280	1,088	944	1,030	887	778	796	695	615	507
	7	1,954	1,522	1,242	1,045	1,772	1,397	1,148	972	1,159	967	828	936	793	686	727	624	546	449
	8	1,811	1,379	1,107	920	1,645	1,268	1,026	857	1,055	867	733	856	714	610	668	566	489	402
9	1,685	1,257	994	817	1,532	1,157	923	763	967	783	654	787	648	547	618	516	442	364	
10	1,573	1,152	899	731	1,432	1,062	836	683	890	712	589	728	591	495	574	474	402	332	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	12 fc	0 ft	0 ft
8 ft	7 fc	0 ft	0 ft
10 ft	4 fc	0 ft	0 ft
12 ft	3 fc	0 ft	0 ft
15 ft	2 fc	0 ft	0 ft