



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-I3-30-80-FW-W

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

Test Number

IES-P00225

Test Date

Thu Oct 03 15:43:10 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PD-4-D5-I3-30-80-FW-W
Blade 2" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens
LED (3000K 80+ CRI)

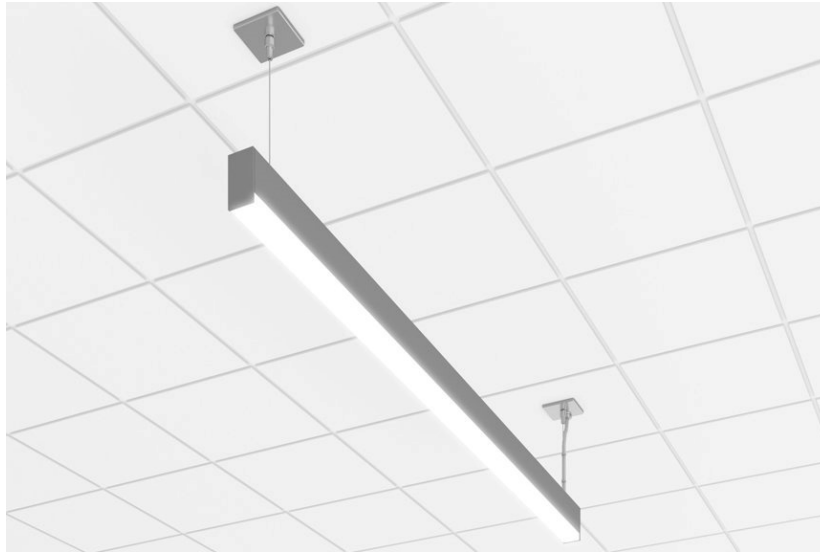


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	38.39 W
Lumens:	3,488.42 lm
Efficiency:	N/A
Efficacy:	89.3 lm/W

Spacing Criterion

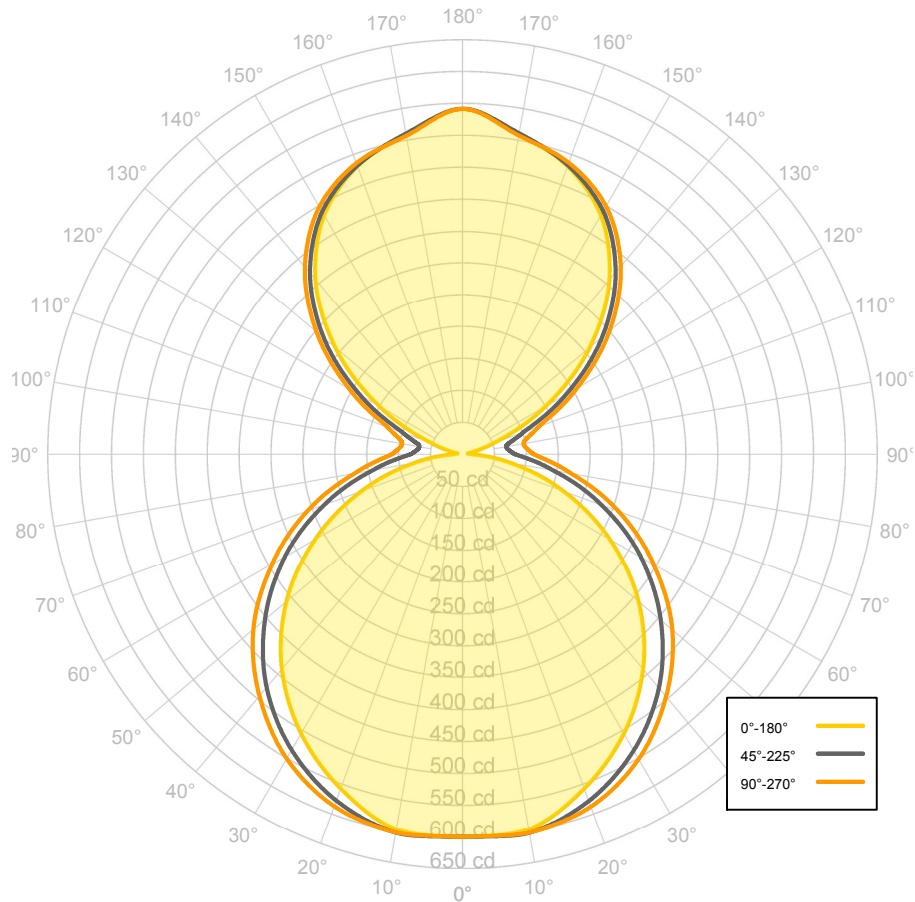
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.35
Four luminaires	1.44

Full Beam Angle

0° - 180°	268.69°
90° - 270°	260.5°

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°	103.13	2.96%	90° - 100°	72.74	2.09%
10° - 20°	165.17	4.73%	100° - 110°	82.90	2.38%
20° - 30°	254.20	7.29%	100° - 120°	219.72	6.30%
30° - 40°	313.30	8.98%	120° - 130°	205.56	5.89%
40° - 50°	335.34	9.61%	130° - 140°	249.56	7.15%
50° - 60°	317.67	9.11%	140° - 150°	251.54	7.21%
60° - 70°	263.73	7.56%	150° - 160°	211.00	6.05%
70° - 80°	185.77	5.33%	160° - 170°	138.95	3.98%
80° - 90°	111.12	3.19%	170° - 180°	89.93	2.58%
0° - 90°	2,049.43	58.75%	0° - 180°	3,488.42	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	601.02	601.02	601.02	601.02	601.02
10.00°	597.56	593.88	603.89	605.57	603.43
20.00°	557.76	569.65	579.87	583.86	589.40
30.00°	505.69	521.23	537.20	547.86	552.84
40.00°	440.10	458.11	479.07	493.53	496.67
50.00°	360.06	379.71	405.56	424.06	429.29
60.00°	266.55	290.91	322.03	341.61	345.32
70.00°	168.45	194.66	229.54	251.01	257.89
80.00°	75.86	103.95	140.63	162.52	170.26
90.00°	14.88	44.14	80.18	102.81	110.01
100.00°	8.05	34.06	69.10	89.88	96.75
110.00°	51.57	73.40	102.82	121.29	127.80
120.00°	149.93	164.13	187.92	203.11	207.34
130.00°	260.09	267.00	285.79	297.34	300.65
140.00°	358.32	360.88	373.37	382.29	385.78
150.00°	433.51	431.67	440.46	447.57	449.18
160.00°	481.10	481.30	482.08	484.72	486.27
170.00°	510.44	511.04	510.73	509.17	507.27
180.00°	541.59	541.59	541.59	541.59	541.59

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	15,282	15,282	15,282
45.00°	13,674	6,549	5,608
55.00°	12,927	5,304	4,505
65.00°	11,771	4,083	3,475
75.00°	10,048	2,871	2,520
85.00°	8,297	1,858	1,740



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%	
	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%
RCR	0	3,810	3,810	3,810	3,810	3,554	3,554	3,554	3,554	3,077	3,077	3,077	2,639	2,639	2,639	2,238	2,238	2,238	2,049
	1	3,439	3,268	3,114	2,976	3,197	3,049	2,915	2,793	2,638	2,537	2,444	2,261	2,186	2,117	1,914	1,860	1,809	1,642
	2	3,116	2,833	2,600	2,403	2,891	2,645	2,439	2,264	2,291	2,132	1,996	1,964	1,844	1,739	1,662	1,574	1,495	1,345
	3	2,835	2,480	2,205	1,986	2,628	2,317	2,073	1,876	2,010	1,819	1,662	1,726	1,579	1,456	1,462	1,352	1,257	1,123
	4	2,590	2,190	1,896	1,673	2,400	2,048	1,786	1,584	1,781	1,574	1,410	1,533	1,371	1,240	1,302	1,178	1,076	956
	5	2,377	1,950	1,651	1,431	2,203	1,826	1,558	1,357	1,592	1,378	1,213	1,375	1,205	1,072	1,171	1,040	934	826
	6	2,190	1,749	1,453	1,240	2,031	1,640	1,373	1,179	1,435	1,219	1,057	1,243	1,070	938	1,063	927	821	723
	7	2,026	1,580	1,290	1,087	1,881	1,484	1,221	1,035	1,302	1,088	932	1,132	959	830	972	835	730	641
	8	1,882	1,436	1,155	963	1,749	1,351	1,096	918	1,189	979	829	1,037	867	742	895	758	655	575
	9	1,755	1,313	1,043	860	1,633	1,237	990	821	1,093	888	744	957	789	668	828	693	593	519
	10	1,642	1,207	947	774	1,530	1,139	901	741	1,009	811	673	887	723	607	771	637	541	473

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	17 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