



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-D5-I5-30-80-FW-W

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

Test Number

IES-P00244

Test Date

Tue Oct 08 10:10:27 2019

The results contained in this report pertain only to the tested sample.
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BLD-4-PD-4-D5-I5-30-80-FW-W
Blade 4" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens
LED (3000K 80+ CRI)

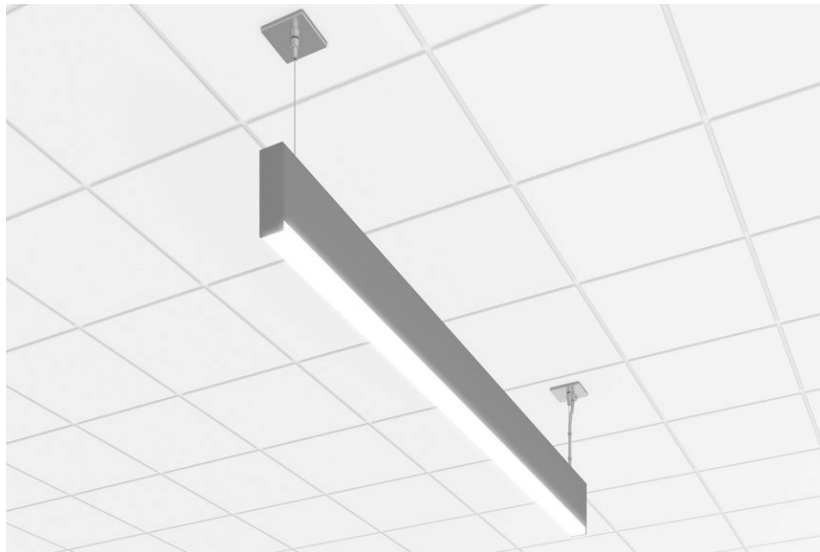


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	44.4 W
Lumens:	4,082.64 lm
Efficiency:	N/A
Efficacy:	90.24 lm/W

Spacing Criterion

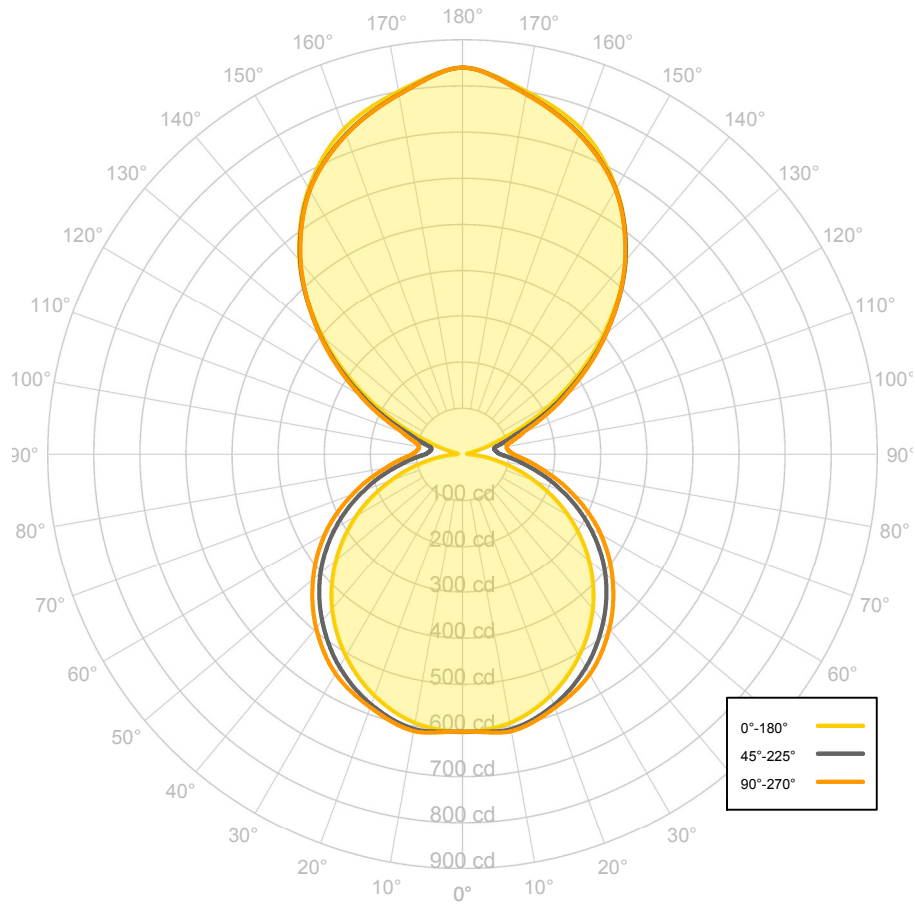
Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.35
Four luminaires	1.43

Full Beam Angle

0° - 180°	263.08°
90° - 270°	261.74°

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°	103.68	2.54%	90° - 100°	72.22	1.77%
10° - 20°	165.73	4.06%	100° - 110°	93.44	2.29%
20° - 30°	254.31	6.23%	100° - 120°	271.91	6.66%
30° - 40°	312.29	7.65%	120° - 130°	287.91	7.05%
40° - 50°	333.45	8.17%	130° - 140°	362.97	8.89%
50° - 60°	315.23	7.72%	140° - 150°	375.61	9.20%
60° - 70°	260.51	6.38%	150° - 160°	321.14	7.87%
70° - 80°	182.43	4.47%	160° - 170°	214.65	5.26%
80° - 90°	108.75	2.66%	170° - 180°	139.84	3.43%
0° - 90°	2,036.38	49.88%	0° - 180°	4,082.64	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	603.74	603.74	603.74	603.74	603.74
10.00°	592.59	594.19	607.82	613.64	612.19
20.00°	558.06	573.11	580.44	585.76	586.94
30.00°	506.07	523.71	535.57	545.12	552.58
40.00°	439.72	456.20	475.21	489.94	495.63
50.00°	358.14	377.96	403.99	420.88	425.07
60.00°	265.55	287.01	318.54	337.65	344.90
70.00°	164.69	191.96	225.54	247.75	253.64
80.00°	73.13	101.35	137.96	159.59	166.56
90.00°	13.95	42.62	78.90	101.24	107.54
100.00°	9.73	35.29	69.23	90.31	96.24
110.00°	76.74	96.42	122.72	137.47	143.34
120.00°	228.08	239.41	253.78	260.75	261.81
130.00°	395.79	399.81	406.30	408.37	407.39
140.00°	550.68	547.66	550.60	550.80	548.63
150.00°	667.52	667.07	664.31	663.63	663.72
160.00°	751.94	744.89	739.79	738.97	738.68
170.00°	800.13	798.89	793.88	791.69	793.40
180.00°	839.32	839.32	839.32	839.32	839.32

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	15,351	15,351	15,351
45.00°	13,178	4,610	3,809
55.00°	12,272	3,584	2,953
65.00°	10,877	2,636	2,202
75.00°	8,780	1,774	1,530
85.00°	6,313	1,100	1,019



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
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%
RCR																		
0	4,373	4,373	4,373	4,373	4,033	4,033	4,033	4,033	3,399	3,399	3,399	2,819	2,819	2,819	2,287	2,287	2,287	2,036
1	3,952	3,758	3,584	3,427	3,633	3,467	3,316	3,180	2,921	2,811	2,710	2,420	2,341	2,268	1,959	1,904	1,852	1,634
2	3,584	3,262	2,996	2,773	3,288	3,011	2,779	2,583	2,540	2,366	2,216	2,105	1,978	1,867	1,703	1,613	1,533	1,340
3	3,261	2,856	2,543	2,293	2,989	2,639	2,364	2,142	2,229	2,020	1,848	1,850	1,695	1,564	1,499	1,386	1,290	1,120
4	2,979	2,522	2,187	1,931	2,730	2,333	2,037	1,808	1,975	1,747	1,567	1,644	1,472	1,332	1,335	1,209	1,105	954
5	2,733	2,244	1,902	1,650	2,505	2,078	1,775	1,548	1,765	1,528	1,347	1,473	1,293	1,151	1,201	1,067	959	825
6	2,516	2,011	1,671	1,428	2,308	1,865	1,562	1,342	1,589	1,350	1,172	1,331	1,147	1,006	1,090	951	843	723
7	2,326	1,814	1,482	1,249	2,136	1,685	1,387	1,176	1,440	1,204	1,031	1,211	1,027	889	996	856	749	641
8	2,159	1,647	1,324	1,103	1,984	1,532	1,242	1,040	1,314	1,082	916	1,109	927	793	916	777	672	575
9	2,011	1,503	1,193	983	1,851	1,401	1,120	928	1,206	979	820	1,022	842	714	848	710	608	520
10	1,880	1,380	1,081	882	1,732	1,288	1,017	835	1,112	892	740	946	771	647	789	653	554	474

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