



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-PR-4-D3-I5-30-80-FW-W

Blade 4" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens

Test Number

IES-P00236

Test Date

Fri Oct 04 16:07:31 2019

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

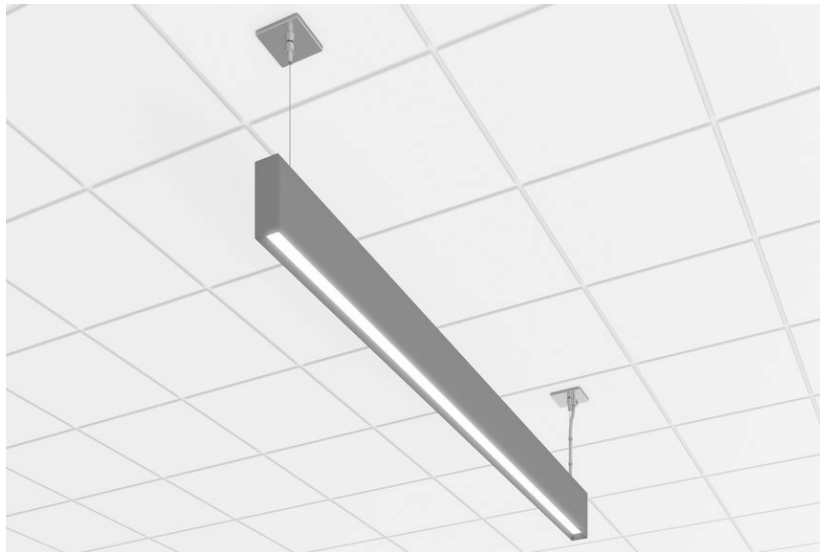


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	35.89 W
Lumens:	3,486.12 lm
Efficiency:	N/A
Efficacy:	94.88 lm/W

Spacing Criterion

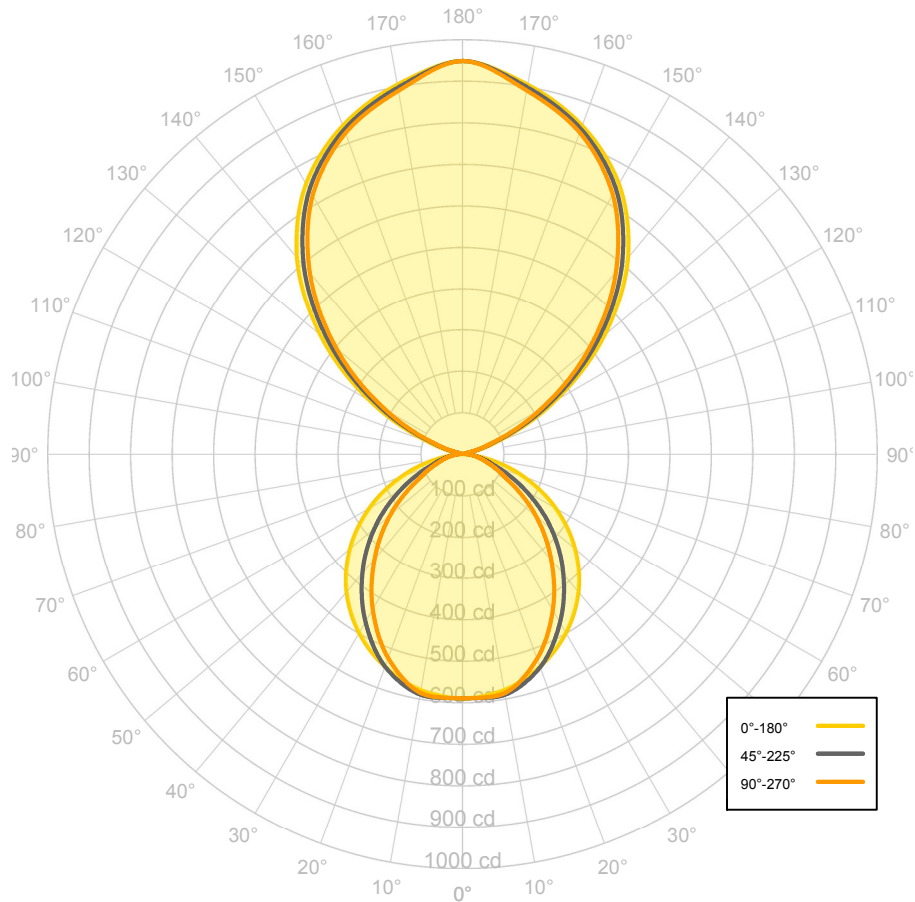
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.11
Four luminaires	1.26

Full Beam Angle

0° - 180°	263.13°
90° - 270°	268.41°

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°	100.89	2.89%	90° - 100°	4.98	0.14%
10° - 20°	157.45	4.52%	100° - 110°	43.39	1.24%
20° - 30°	230.50	6.61%	100° - 120°	196.75	5.64%
30° - 40°	263.24	7.55%	120° - 130°	291.09	8.35%
40° - 50°	253.58	7.27%	130° - 140°	388.59	11.15%
50° - 60°	205.08	5.88%	140° - 150°	412.95	11.85%
60° - 70°	134.41	3.86%	150° - 160°	358.64	10.29%
70° - 80°	67.40	1.93%	160° - 170°	241.86	6.94%
80° - 90°	20.68	0.59%	170° - 180°	158.02	4.53%
0° - 90°	1,433.24	41.11%	0° - 180°	3,486.12	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	590.44	590.44	590.44	590.44	590.44
10.00°	578.07	580.24	590.78	590.30	586.70
20.00°	546.19	556.67	547.84	532.05	525.88
30.00°	498.65	501.14	469.73	443.58	434.81
40.00°	435.03	423.05	377.43	344.42	331.33
50.00°	354.25	328.14	277.21	239.59	227.39
60.00°	259.64	226.52	171.99	135.09	123.30
70.00°	156.43	122.91	78.70	65.02	63.48
80.00°	60.24	38.94	30.06	27.88	27.20
90.00°	3.88	2.93	3.11	3.10	3.07
100.00°	6.19	5.93	6.05	6.00	6.08
110.00°	85.59	83.11	77.89	72.72	71.05
120.00°	256.59	252.42	237.95	225.99	220.40
130.00°	447.12	440.60	424.03	407.64	400.54
140.00°	620.93	614.35	598.46	583.25	575.94
150.00°	754.22	749.98	739.42	725.86	723.98
160.00°	843.85	843.00	834.52	828.16	825.66
170.00°	905.65	900.92	898.72	896.47	890.74
180.00°	948.56	948.56	948.56	948.56	948.56

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	15,013	15,013	15,013
45.00°	13,162	3,745	2,541
55.00°	12,241	2,452	1,490
65.00°	10,720	1,348	766
75.00°	8,240	594	371
85.00°	4,941	190	127



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%
	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	3,661	3,661	3,661	3,661	3,338	3,338	3,338	3,338	2,733	2,733	2,733	2,180	2,180	2,180	1,672	1,672	1,672	1,433
	1	3,352	3,208	3,079	2,963	3,052	2,931	2,822	2,723	2,412	2,336	2,267	1,936	1,885	1,838	1,496	1,465	1,435	1,232
	2	3,063	2,817	2,614	2,443	2,786	2,578	2,405	2,257	2,129	2,006	1,899	1,716	1,631	1,556	1,333	1,278	1,229	1,054
	3	2,802	2,487	2,244	2,050	2,548	2,280	2,070	1,901	1,890	1,737	1,611	1,529	1,422	1,332	1,194	1,123	1,062	909
	4	2,570	2,209	1,945	1,744	2,336	2,029	1,799	1,622	1,688	1,518	1,384	1,371	1,250	1,152	1,076	995	927	793
	5	2,363	1,974	1,703	1,502	2,150	1,816	1,579	1,401	1,516	1,339	1,202	1,237	1,109	1,008	977	889	818	699
	6	2,180	1,775	1,503	1,308	1,985	1,635	1,397	1,223	1,371	1,190	1,055	1,124	991	890	892	800	728	623
	7	2,018	1,605	1,338	1,150	1,839	1,482	1,245	1,077	1,247	1,066	934	1,027	893	793	820	726	654	560
	8	1,874	1,460	1,199	1,020	1,710	1,350	1,118	957	1,140	961	834	943	809	712	758	663	591	507
	9	1,747	1,335	1,082	912	1,596	1,236	1,011	858	1,048	873	750	871	739	644	703	609	539	463
	10	1,634	1,227	983	821	1,495	1,138	920	774	968	797	680	808	678	587	656	562	495	426

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	16 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