



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-PR-4-D5-I5-30-80-FW-W

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

Test Number

IES-P00232

Test Date

Fri Oct 04 10:33:47 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PR-4-D5-I5-30-80-FW-W

Blade 2" - White Housing - Suspended - Direct/Indirect - Regressed Frosted White Lens
LED (3000K 80+ CRI)

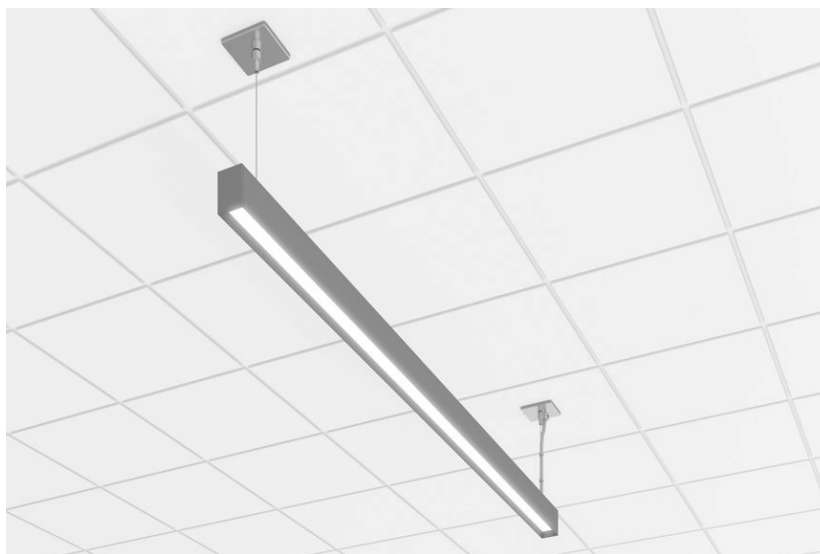


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	42.76 W
Lumens:	4,099.41 lm
Efficiency:	N/A
Efficacy:	93.71 lm/W

Spacing Criterion

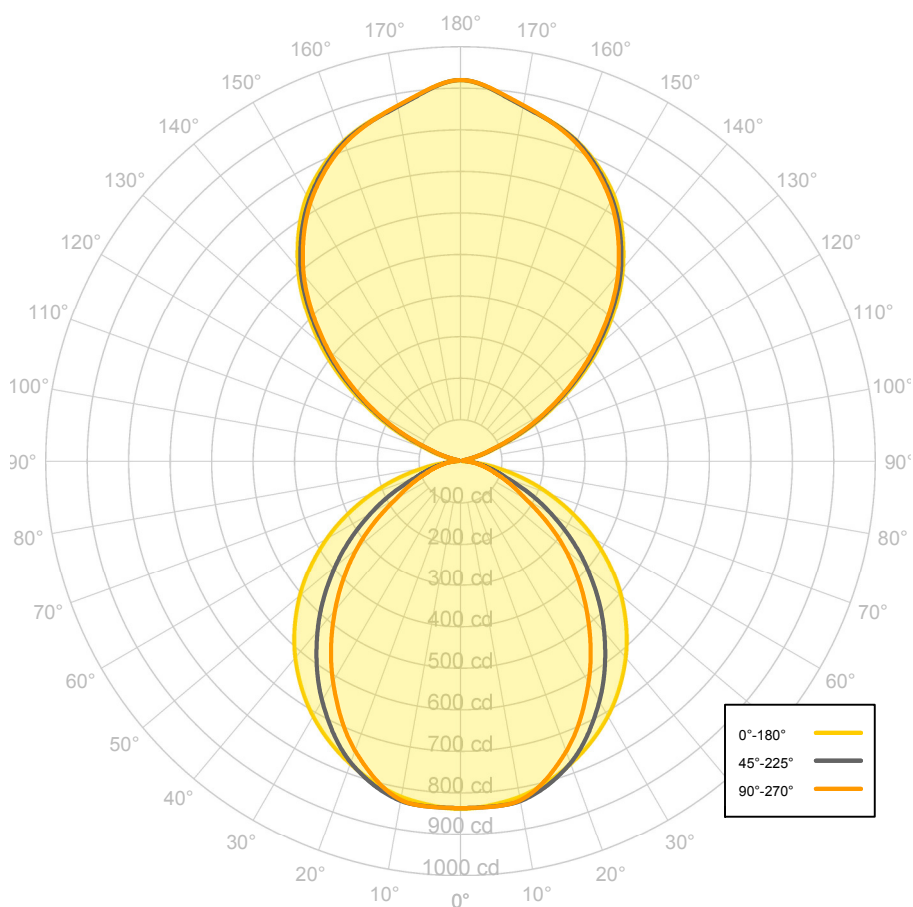
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.11
Four luminaires	1.26

Full Beam Angle

0° - 180°	262.02°
90° - 270°	264.75°

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°	143.16	3.49%	90° - 100°	6.08	0.15%
10° - 20°	223.35	5.45%	100° - 110°	45.53	1.11%
20° - 30°	327.89	8.00%	100° - 120°	204.28	4.98%
30° - 40°	375.20	9.15%	120° - 130°	297.22	7.25%
40° - 50°	361.79	8.83%	130° - 140°	391.84	9.56%
50° - 60°	293.50	7.16%	140° - 150°	411.70	10.04%
60° - 70°	193.07	4.71%	150° - 160°	353.65	8.63%
70° - 80°	97.23	2.37%	160° - 170°	236.15	5.76%
80° - 90°	30.10	0.73%	170° - 180°	153.20	3.74%
0° - 90°	2,045.29	49.89%	0° - 180°	4,099.41	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	838.69	838.69	838.69	838.69	838.69
10.00°	821.59	830.45	834.32	830.96	832.22
20.00°	776.92	787.51	776.31	757.79	745.98
30.00°	710.55	713.98	669.78	633.59	617.01
40.00°	619.59	601.88	538.50	491.48	472.85
50.00°	505.58	469.94	395.07	341.63	325.43
60.00°	371.93	325.61	247.33	193.84	175.69
70.00°	225.82	178.20	113.15	92.53	89.86
80.00°	88.84	57.17	43.08	40.21	38.81
90.00°	5.87	4.46	4.55	4.53	4.45
100.00°	6.22	6.10	6.53	6.77	7.15
110.00°	85.65	84.01	82.15	78.73	77.77
120.00°	256.04	252.19	245.47	239.49	238.82
130.00°	442.95	437.73	429.61	422.68	419.01
140.00°	609.71	606.36	601.73	593.27	591.01
150.00°	740.61	735.70	730.89	727.81	724.17
160.00°	822.54	821.13	820.02	813.61	816.10
170.00°	870.62	873.60	869.08	870.85	871.71
180.00°	919.65	919.65	919.65	919.65	919.65

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,241	21,241	21,241
45.00°	19,344	7,818	5,566
55.00°	18,286	5,401	3,414
65.00°	16,442	3,138	1,823
75.00°	13,324	1,456	918
85.00°	9,322	494	332



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pfc	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%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
RCR	0	4,391	4,391	4,391	4,391	4,050	4,050	4,050	4,050	3,414	3,414	3,414	2,831	2,831	2,831	2,297	2,297	2,297
	1	4,025	3,854	3,701	3,563	3,708	3,563	3,432	3,313	3,018	2,924	2,838	2,518	2,452	2,392	2,056	2,013	1,973
	2	3,680	3,388	3,146	2,943	3,387	3,137	2,928	2,751	2,667	2,513	2,381	2,233	2,124	2,028	1,832	1,757	1,690
	3	3,369	2,995	2,705	2,474	3,100	2,778	2,525	2,321	2,369	2,180	2,024	1,992	1,853	1,737	1,641	1,544	1,461
	4	3,093	2,664	2,350	2,110	2,846	2,475	2,199	1,986	2,119	1,909	1,742	1,788	1,632	1,506	1,480	1,369	1,276
	5	2,847	2,384	2,061	1,823	2,621	2,219	1,933	1,720	1,907	1,686	1,517	1,616	1,450	1,320	1,344	1,223	1,126
	6	2,629	2,148	1,824	1,592	2,423	2,002	1,715	1,506	1,727	1,502	1,335	1,470	1,298	1,168	1,229	1,102	1,003
	7	2,437	1,946	1,628	1,405	2,248	1,818	1,533	1,331	1,573	1,349	1,186	1,345	1,172	1,043	1,130	1,001	902
	8	2,266	1,773	1,463	1,250	2,093	1,659	1,381	1,187	1,441	1,220	1,062	1,237	1,065	939	1,045	914	817
	9	2,115	1,625	1,325	1,122	1,956	1,523	1,252	1,067	1,327	1,111	958	1,144	973	851	970	841	745
	10	1,981	1,497	1,207	1,014	1,834	1,405	1,143	966	1,229	1,017	871	1,063	895	777	905	777	684

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	23 fc	0 ft	0 ft
8 ft	13 fc	0 ft	0 ft
10 ft	8 fc	0 ft	0 ft
12 ft	6 fc	0 ft	0 ft
15 ft	4 fc	0 ft	0 ft