



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

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

Test Number

IES-P00230

Test Date

Fri Oct 04 11:23:39 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PR-4-D3-I5-30-80-FW-W

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

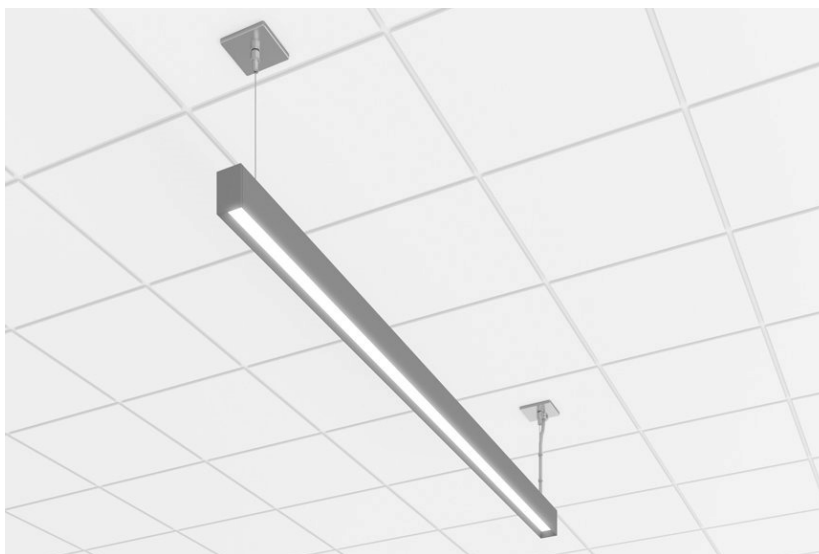


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	34.53 W
Lumens:	3,485.56 lm
Efficiency:	N/A
Efficacy:	98.64 lm/W

Spacing Criterion

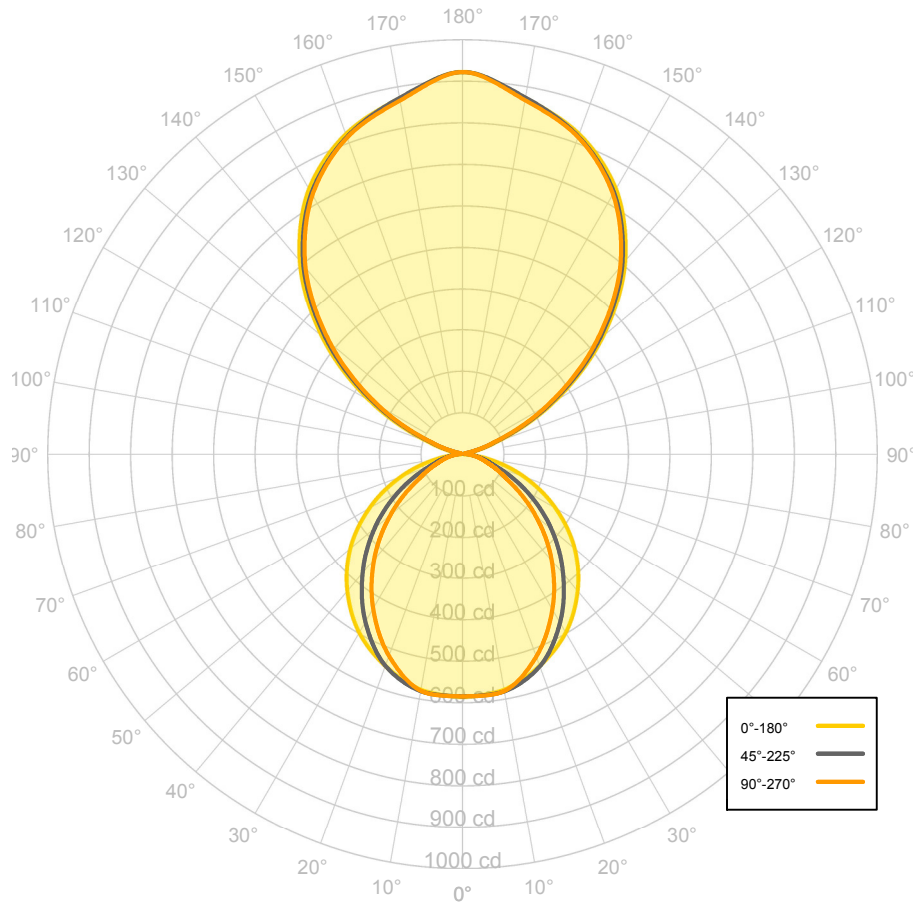
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.11
Four luminaires	1.26

Full Beam Angle

0° - 180°	262.18°
90° - 270°	264.79°

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°	100.09	2.87%	90° - 100°	5.37	0.15%
10° - 20°	156.37	4.49%	100° - 110°	45.66	1.31%
20° - 30°	229.59	6.59%	100° - 120°	204.66	5.87%
30° - 40°	262.72	7.54%	120° - 130°	297.62	8.54%
40° - 50°	253.41	7.27%	130° - 140°	391.91	11.24%
50° - 60°	205.46	5.89%	140° - 150°	411.36	11.80%
60° - 70°	135.09	3.88%	150° - 160°	353.25	10.13%
70° - 80°	68.10	1.95%	160° - 170°	235.96	6.77%
80° - 90°	21.13	0.61%	170° - 180°	153.47	4.40%
0° - 90°	1,431.96	41.08%	0° - 180°	3,485.56	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	585.82	585.82	585.82	585.82	585.82
10.00°	577.27	578.81	582.44	584.18	581.57
20.00°	544.03	552.07	545.72	529.23	520.29
30.00°	497.87	498.64	470.05	442.95	432.84
40.00°	431.83	421.91	376.45	344.53	333.14
50.00°	353.12	329.70	276.98	239.98	226.40
60.00°	259.14	227.08	173.84	135.68	123.05
70.00°	158.46	124.76	79.42	64.67	62.71
80.00°	62.07	40.03	30.18	27.95	27.67
90.00°	4.13	3.08	3.33	3.36	3.35
100.00°	6.27	6.13	6.59	6.83	6.90
110.00°	85.15	84.32	82.07	79.31	78.44
120.00°	256.96	250.98	246.47	240.77	238.08
130.00°	442.75	437.80	430.81	423.57	419.85
140.00°	610.43	606.34	599.98	592.04	591.88
150.00°	740.10	736.29	729.78	726.21	724.88
160.00°	822.45	820.88	815.66	813.83	813.99
170.00°	871.97	872.98	873.48	871.79	867.08
180.00°	922.12	922.12	922.12	922.12	922.12

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	14,837	14,837	14,837
45.00°	13,495	5,472	3,901
55.00°	12,758	3,790	2,381
65.00°	11,487	2,205	1,275
75.00°	9,338	1,022	645
85.00°	6,516	347	238



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pfc	20%	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%	0%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	3,661	3,661	3,661	3,661	3,337	3,337	3,337	3,337	2,732	2,732	2,732	2,179	2,179	2,179	1,671	1,671	1,671	1,432
	1	3,351	3,207	3,077	2,961	3,051	2,929	2,820	2,721	2,411	2,334	2,265	1,934	1,883	1,836	1,494	1,463	1,433	1,230
	2	3,061	2,815	2,612	2,441	2,784	2,576	2,403	2,255	2,128	2,003	1,896	1,714	1,629	1,554	1,331	1,276	1,227	1,051
	3	2,801	2,485	2,242	2,047	2,546	2,278	2,068	1,898	1,888	1,735	1,609	1,527	1,419	1,329	1,191	1,120	1,060	907
	4	2,568	2,207	1,943	1,742	2,335	2,027	1,797	1,620	1,685	1,516	1,382	1,369	1,248	1,150	1,074	992	925	791
	5	2,361	1,972	1,701	1,500	2,148	1,814	1,576	1,399	1,514	1,336	1,200	1,235	1,106	1,005	975	886	815	697
	6	2,178	1,773	1,501	1,306	1,983	1,633	1,394	1,221	1,369	1,188	1,052	1,122	989	887	890	798	726	620
	7	2,016	1,603	1,335	1,148	1,837	1,480	1,243	1,075	1,245	1,063	932	1,024	890	790	818	723	651	558
	8	1,873	1,458	1,197	1,018	1,708	1,348	1,116	955	1,138	959	832	941	807	710	755	660	589	505
	9	1,745	1,333	1,080	910	1,594	1,234	1,009	856	1,046	871	748	869	737	642	701	606	537	461
10	1,632	1,225	981	819	1,493	1,136	918	772	966	795	678	806	676	585	654	560	492	424	

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