



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-D3-30-80-FW-W

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

Test Number

IES-P00233

Test Date

Fri Oct 04 12:49:56 2019

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

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

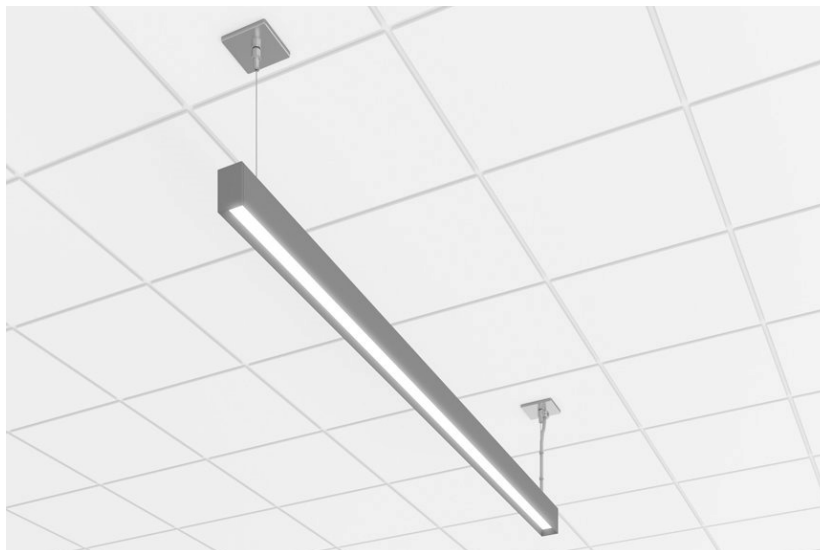


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	19.47 W
Lumens:	1,410.47 lm
Efficiency:	N/A
Efficacy:	72.03 lm/W

Spacing Criterion

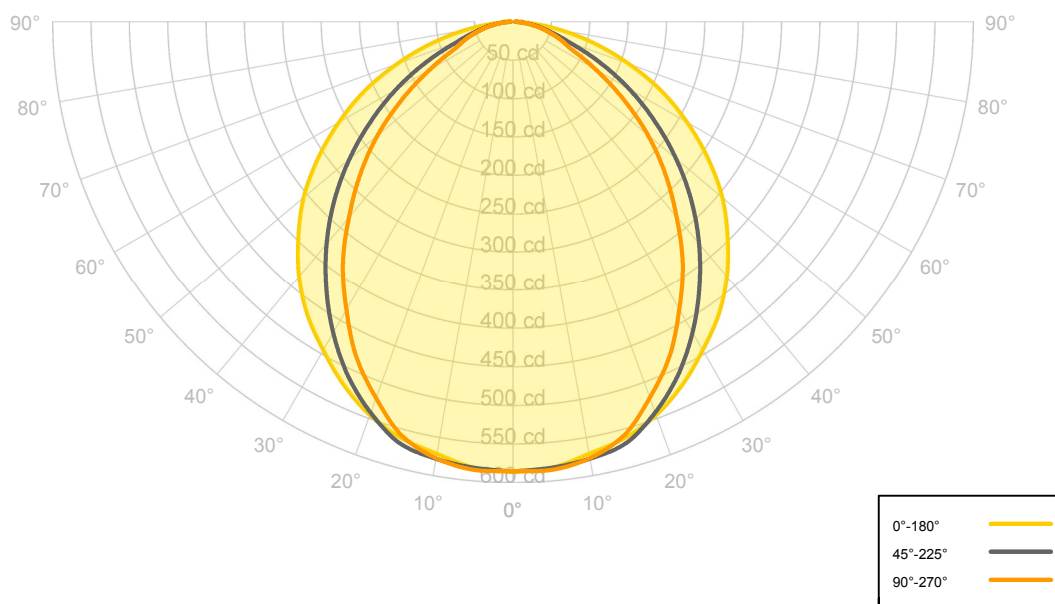
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.12
Four luminaires	1.27

Full Beam Angle

0° - 180°	113.47°
90° - 270°	87.66°

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°	66.58	4.72%	90° - 100°	0.78	0.06%
10° - 20°	157.90	11.19%	100° - 110°	0.00	0.00%
20° - 30°	232.23	16.46%	100° - 120°	0.00	0.00%
30° - 40°	265.87	18.85%	120° - 130°	0.00	0.00%
40° - 50°	257.00	18.22%	130° - 140°	0.00	0.00%
50° - 60°	208.92	14.81%	140° - 150°	0.00	0.00%
60° - 70°	135.45	9.60%	150° - 160°	0.00	0.00%
70° - 80°	67.77	4.80%	160° - 170°	0.00	0.00%
80° - 90°	18.76	1.33%	170° - 180°	0.00	0.00%
0° - 90°	1,410.47	100.00%	0° - 180°	1,410.47	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	586.05	586.05	586.05	586.05	586.05
5.00°	582.93	580.94	583.94	585.81	586.60
10.00°	571.29	574.54	578.72	580.67	577.98
15.00°	561.69	564.19	569.24	559.66	559.01
20.00°	545.34	551.80	542.52	527.28	522.00
25.00°	522.20	529.26	509.20	487.16	482.83
30.00°	494.54	499.91	468.51	443.36	433.88
35.00°	467.05	463.13	424.08	394.86	386.48
40.00°	433.73	421.40	377.86	345.58	332.10
45.00°	395.46	378.69	329.08	292.33	281.43
50.00°	356.13	330.44	277.86	241.90	230.15
55.00°	310.07	281.11	225.72	188.31	175.69
60.00°	261.80	228.98	175.05	137.35	125.36
65.00°	213.38	178.32	124.40	90.06	83.27
70.00°	160.49	126.57	78.15	65.54	64.21
75.00°	110.19	78.25	50.15	46.17	45.20
80.00°	63.01	39.60	30.69	28.64	27.90
85.00°	23.93	15.17	13.85	12.96	12.84
90.00°	3.43	2.93	2.78	2.69	2.56

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	14,901	14,901	14,901
45.00°	14,220	11,833	10,120
55.00°	13,745	10,006	7,788
65.00°	12,838	7,484	5,010
75.00°	10,825	4,927	4,440
85.00°	6,981	4,041	3,746



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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	1,680	1,680	1,680	1,680	1,641	1,641	1,641	1,641	1,568	1,568	1,568	1,501	1,501	1,501	1,439	1,439	1,439	1,410
	1	1,548	1,487	1,431	1,381	1,510	1,455	1,404	1,359	1,395	1,354	1,316	1,340	1,307	1,276	1,290	1,263	1,238	1,209
	2	1,419	1,311	1,222	1,147	1,383	1,285	1,203	1,134	1,235	1,167	1,107	1,190	1,132	1,082	1,147	1,100	1,058	1,029
	3	1,302	1,163	1,055	970	1,268	1,141	1,041	961	1,100	1,014	944	1,061	989	928	1,026	965	912	883
	4	1,198	1,039	922	833	1,167	1,021	912	827	986	891	816	953	872	805	923	853	795	765
	5	1,107	935	815	726	1,078	919	806	722	890	790	714	862	775	707	837	761	699	670
	6	1,026	847	726	640	1,000	834	720	637	809	707	632	785	695	626	763	684	621	593
	7	954	772	653	570	931	761	648	568	739	638	564	719	628	560	701	619	556	529
	8	891	708	592	513	869	698	588	511	680	580	508	662	572	505	646	564	502	476
	9	835	652	540	465	815	644	537	464	628	530	461	613	523	459	599	517	457	432
10	784	604	496	424	766	597	493	423	583	487	421	570	482	420	558	477	418	394	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	16 fc	18 ft	12 ft
8 ft	9 fc	24 ft	15 ft
10 ft	6 fc	30 ft	19 ft
12 ft	4 fc	37 ft	23 ft
15 ft	3 fc	46 ft	29 ft