



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

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

Test Number

IES-P00242

Test Date

Mon Oct 07 14:42:50 2019

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

Blade 4" - White Housing - Suspended - Direct/Indirect - 1/2" Drop Frosted White Lens
LED (3000K 80+ CRI)

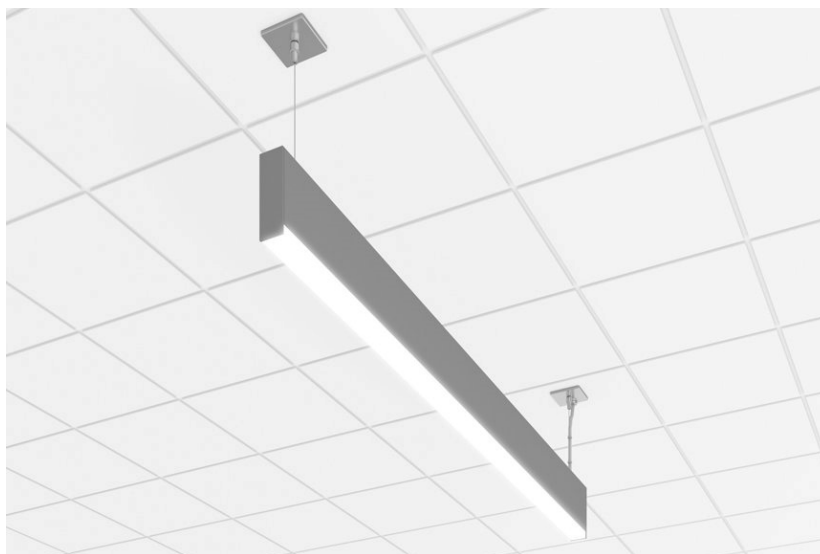


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	35.84 W
Lumens:	3,475.80 lm
Efficiency:	N/A
Efficacy:	95.08 lm/W

Spacing Criterion

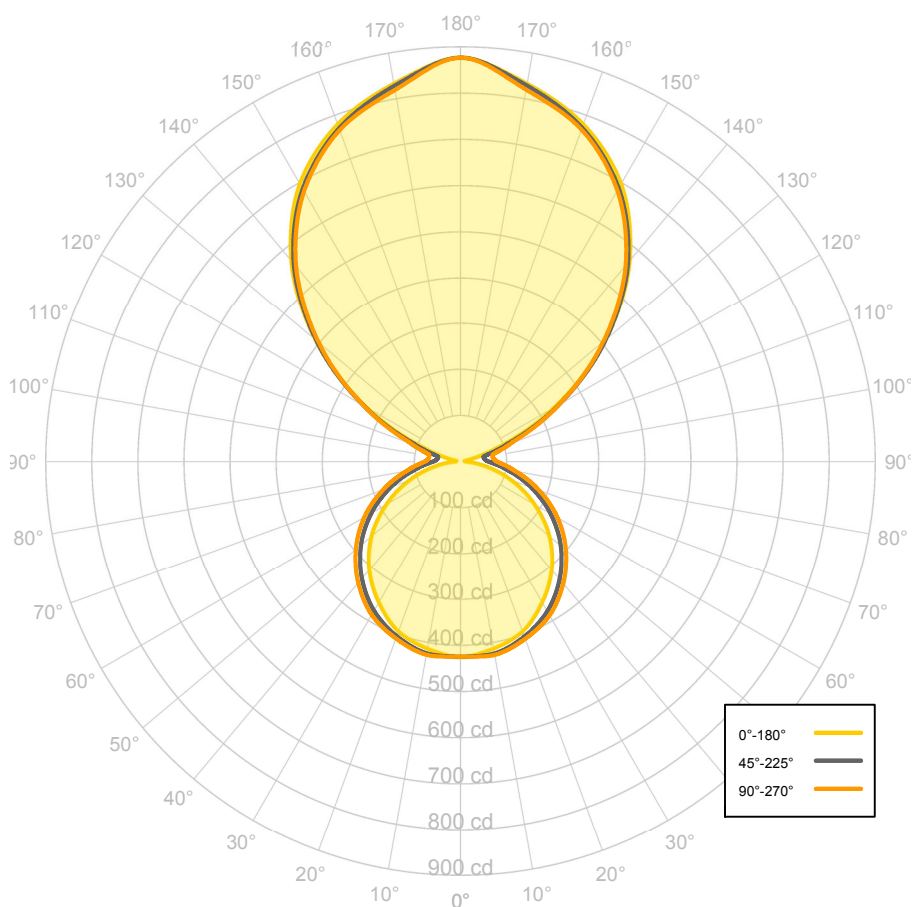
Two luminaires, plane 0°	1.23
Two luminaires, plane 90°	1.34
Four luminaires	1.43

Full Beam Angle

0° - 180°	360°
90° - 270°	360°

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°	72.75	2.09%	90° - 100°	51.72	1.49%
10° - 20°	116.06	3.34%	100° - 110°	78.37	2.25%
20° - 30°	178.34	5.13%	100° - 120°	249.08	7.17%
30° - 40°	218.86	6.30%	120° - 130°	288.67	8.31%
40° - 50°	233.41	6.72%	130° - 140°	370.84	10.67%
50° - 60°	220.69	6.35%	140° - 150°	387.08	11.14%
60° - 70°	182.58	5.25%	150° - 160°	332.71	9.57%
70° - 80°	127.85	3.68%	160° - 170°	223.16	6.42%
80° - 90°	76.31	2.20%	170° - 180°	145.69	4.19%
0° - 90°	1,426.85	41.05%	0° - 180°	3,475.80	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	425.89	425.89	425.89	425.89	425.89
10.00°	413.35	416.10	425.26	427.31	428.36
20.00°	393.55	401.81	406.17	410.30	411.46
30.00°	354.15	366.27	376.84	383.05	386.95
40.00°	307.61	318.23	334.34	343.13	346.63
50.00°	251.80	263.85	283.00	294.04	297.62
60.00°	185.33	201.69	223.04	236.79	240.85
70.00°	116.78	134.77	158.32	173.06	177.28
80.00°	51.43	71.18	96.43	111.66	116.41
90.00°	9.87	29.96	55.81	71.36	75.30
100.00°	8.64	26.48	50.24	65.07	69.45
110.00°	78.59	92.39	108.82	118.65	121.04
120.00°	236.16	242.62	248.95	250.26	249.09
130.00°	410.55	411.67	412.05	408.07	405.02
140.00°	570.98	568.75	565.76	561.12	557.96
150.00°	696.94	690.43	685.61	684.87	679.75
160.00°	779.14	774.87	770.56	768.18	766.31
170.00°	832.64	827.09	828.07	827.37	818.96
180.00°	876.18	876.18	876.18	876.18	876.18

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	10,829	10,829	10,829
45.00°	9,240	3,237	2,665
55.00°	8,601	2,510	2,065
65.00°	7,638	1,848	1,538
75.00°	6,210	1,243	1,069
85.00°	4,444	772	712



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	3,650	3,650	3,650	3,650	3,327	3,327	3,327	3,327	2,724	2,724	2,724	2,172	2,172	2,172	1,665	1,665	1,665	1,427
	1	3,302	3,141	2,997	2,868	3,000	2,864	2,741	2,630	2,344	2,256	2,176	1,867	1,806	1,750	1,427	1,387	1,350	1,145
	2	2,996	2,729	2,508	2,323	2,717	2,489	2,300	2,139	2,040	1,901	1,782	1,625	1,528	1,442	1,241	1,176	1,118	939
	3	2,726	2,390	2,130	1,922	2,470	2,182	1,956	1,774	1,791	1,624	1,487	1,429	1,309	1,209	1,093	1,011	941	785
	4	2,490	2,109	1,830	1,617	2,255	1,928	1,685	1,496	1,586	1,404	1,260	1,268	1,136	1,029	973	881	805	668
	5	2,283	1,875	1,590	1,380	2,068	1,716	1,466	1,279	1,416	1,227	1,081	1,136	997	888	875	777	699	578
	6	2,100	1,678	1,395	1,191	1,904	1,538	1,288	1,107	1,273	1,082	939	1,025	883	775	793	693	614	507
	7	1,940	1,512	1,234	1,040	1,760	1,388	1,142	967	1,152	962	824	932	790	684	725	623	545	449
	8	1,798	1,370	1,101	915	1,633	1,260	1,020	853	1,050	863	730	852	711	608	666	565	488	403
	9	1,673	1,249	989	813	1,522	1,150	918	759	961	779	652	784	645	546	616	515	441	364
10	1,563	1,145	894	728	1,423	1,056	831	680	885	709	587	725	589	494	573	474	402	332	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	12 fc	0 ft	0 ft
8 ft	7 fc	0 ft	0 ft
10 ft	4 fc	0 ft	0 ft
12 ft	3 fc	0 ft	0 ft
15 ft	2 fc	0 ft	0 ft