



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-PF-4-D5-30-80-FW-W

Blade 4" - White Housing - Suspended - Direct - Flush Frosted White Lens

Test Number

IES-P00222

Test Date

Thu Oct 03 10:05:38 2019

The results contained in this report pertain only to the tested sample.
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BLD-4-PF-4-D5-30-80-FW-W
Blade 4" - White Housing - Suspended - Direct - Flush Frosted White Lens
LED (3000K 80+ CRI)

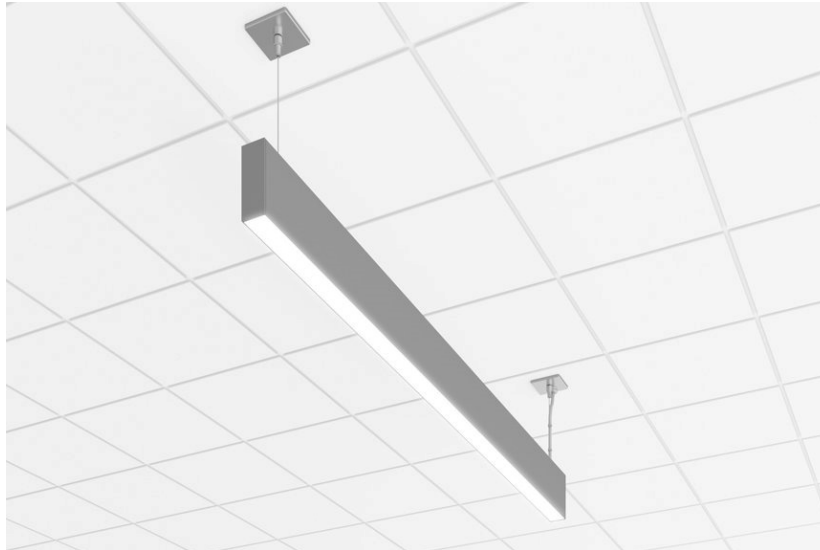


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	29.89 W
Lumens:	2,011.74 lm
Efficiency:	N/A
Efficacy:	66.98 lm/W

Spacing Criterion

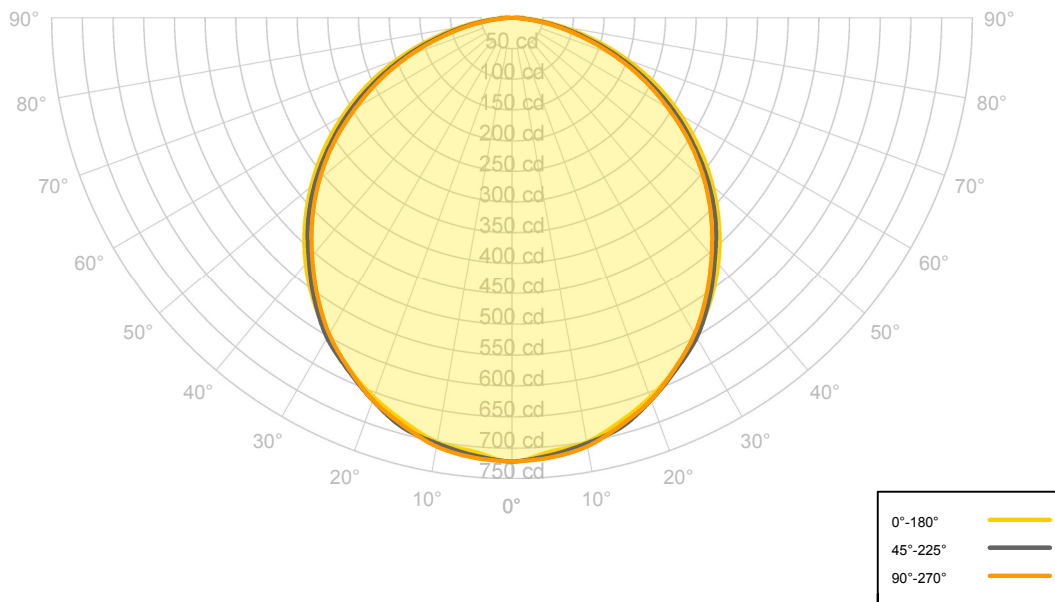
Two luminaires, plane 0°	1.23
Two luminaires, plane 90°	1.21
Four luminaires	1.35

Full Beam Angle

0° - 180°	112.23°
90° - 270°	108.57°

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°	81.39	4.05%	90° - 100°	1.02	0.05%
10° - 20°	193.26	9.61%	100° - 110°	0.00	0.00%
20° - 30°	291.42	14.49%	100° - 120°	0.00	0.00%
30° - 40°	349.53	17.37%	120° - 130°	0.00	0.00%
40° - 50°	360.61	17.93%	130° - 140°	0.00	0.00%
50° - 60°	323.39	16.08%	140° - 150°	0.00	0.00%
60° - 70°	242.33	12.05%	150° - 160°	0.00	0.00%
70° - 80°	133.88	6.65%	160° - 170°	0.00	0.00%
80° - 90°	35.93	1.79%	170° - 180°	0.00	0.00%
0° - 90°	2,011.74	100.00%	0° - 180°	2,011.74	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	723.23	723.23	723.23	723.23	723.23
5.00°	708.99	702.83	716.04	710.90	719.80
10.00°	701.46	697.98	704.51	714.73	709.48
15.00°	680.82	686.80	691.00	684.81	687.56
20.00°	657.78	671.69	663.55	660.70	663.25
25.00°	630.76	640.91	633.05	630.66	630.18
30.00°	599.94	607.20	602.54	596.34	595.65
35.00°	563.85	568.17	560.85	555.61	552.66
40.00°	523.02	523.57	514.89	510.38	506.64
45.00°	477.34	476.40	469.76	462.24	459.60
50.00°	427.11	425.44	418.49	411.79	409.06
55.00°	374.17	369.58	362.27	356.78	353.67
60.00°	317.85	313.01	305.52	297.29	293.79
65.00°	260.00	254.11	244.71	237.50	235.00
70.00°	199.25	192.97	183.70	176.68	174.51
75.00°	138.23	133.51	124.44	119.10	115.14
80.00°	83.20	78.41	71.26	66.03	64.53
85.00°	38.38	32.62	26.81	23.03	21.84
90.00°	9.47	4.71	2.54	1.97	1.91

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	18,389	18,389	18,389
45.00°	17,165	16,892	16,527
55.00°	16,587	16,059	15,678
65.00°	15,643	14,723	14,139
75.00°	13,580	12,225	11,311
85.00°	11,197	7,821	6,372



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	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%
	0	2,396	2,396	2,396	2,396	2,340	2,340	2,340	2,340	2,236	2,236	2,236	2,140	2,140	2,140	2,053	2,053	2,053	2,012
	1	2,191	2,095	2,010	1,933	2,136	2,050	1,972	1,901	1,964	1,900	1,841	1,885	1,833	1,784	1,812	1,770	1,731	1,689
	2	1,993	1,828	1,692	1,577	1,940	1,790	1,665	1,558	1,718	1,613	1,522	1,652	1,564	1,487	1,591	1,518	1,453	1,410
	3	1,818	1,607	1,444	1,313	1,768	1,575	1,423	1,301	1,515	1,385	1,278	1,459	1,348	1,255	1,407	1,314	1,234	1,190
	4	1,666	1,425	1,249	1,115	1,619	1,398	1,234	1,107	1,348	1,204	1,091	1,301	1,176	1,076	1,257	1,150	1,061	1,018
	5	1,533	1,275	1,094	961	1,490	1,252	1,083	956	1,209	1,060	945	1,169	1,038	935	1,132	1,017	925	882
	6	1,417	1,149	970	841	1,378	1,130	960	837	1,093	942	829	1,059	925	822	1,028	908	814	773
	7	1,315	1,043	867	744	1,280	1,027	860	741	996	845	735	967	831	730	939	818	725	685
	8	1,225	953	782	665	1,193	939	776	663	912	764	659	887	753	654	864	742	650	612
9	1,145	876	711	600	1,117	864	706	598	841	696	595	819	687	592	799	677	588	552	
10	1,075	809	651	545	1,049	799	646	544	779	638	541	760	630	539	742	622	536	501	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	20 fc	18 ft	17 ft
8 ft	11 fc	24 ft	22 ft
10 ft	7 fc	30 ft	28 ft
12 ft	5 fc	36 ft	33 ft
15 ft	3 fc	45 ft	42 ft