



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-D5-30-80-FW-W

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

Test Number

IES-P00234

Test Date

Fri Oct 04 13:07:54 2019

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

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

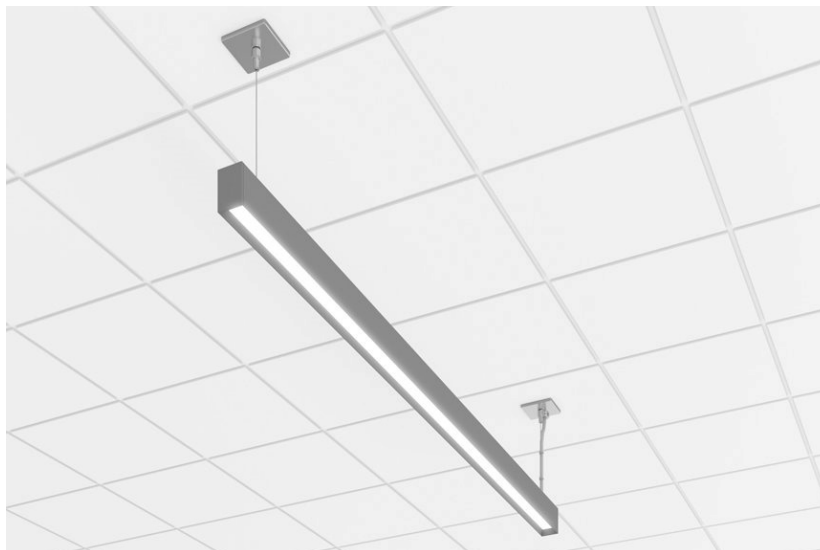


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	27.7 W
Lumens:	2,016.11 lm
Efficiency:	N/A
Efficacy:	72.38 lm/W

Spacing Criterion

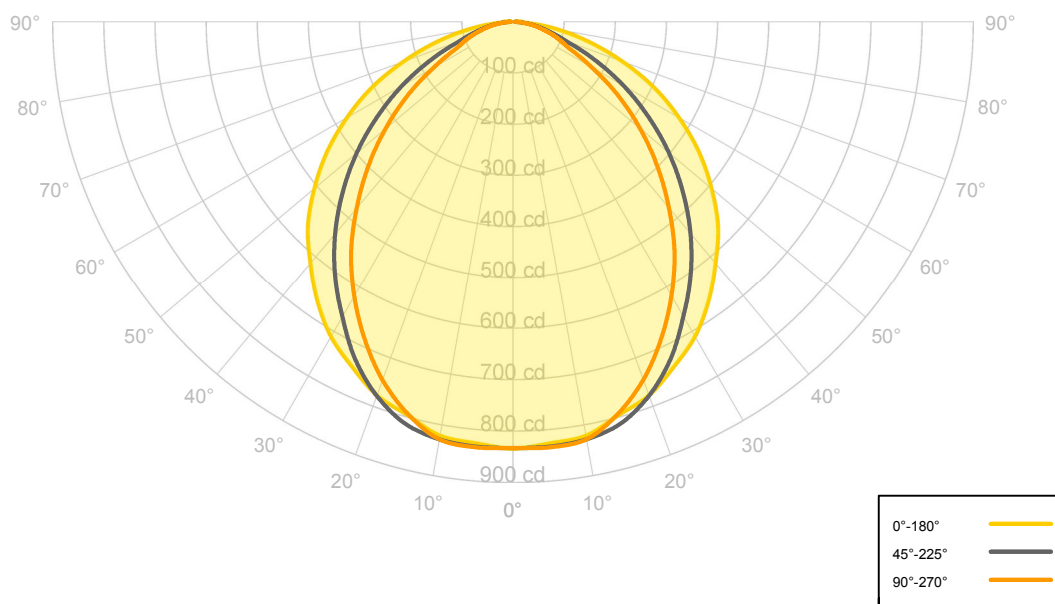
Two luminaires, plane 0°	1.26
Two luminaires, plane 90°	1.12
Four luminaires	1.27

Full Beam Angle

0° - 180°	113.76°
90° - 270°	87.59°

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°	95.08	4.72%	90° - 100°	1.13	0.06%
10° - 20°	226.14	11.22%	100° - 110°	0.00	0.00%
20° - 30°	331.67	16.45%	100° - 120°	0.00	0.00%
30° - 40°	379.97	18.85%	120° - 130°	0.00	0.00%
40° - 50°	367.18	18.21%	130° - 140°	0.00	0.00%
50° - 60°	298.94	14.83%	140° - 150°	0.00	0.00%
60° - 70°	193.59	9.60%	150° - 160°	0.00	0.00%
70° - 80°	96.68	4.80%	160° - 170°	0.00	0.00%
80° - 90°	26.86	1.33%	170° - 180°	0.00	0.00%
0° - 90°	2,016.11	100.00%	0° - 180°	2,016.11	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	834.16	834.16	834.16	834.16	834.16
5.00°	826.84	828.25	834.45	830.90	835.68
10.00°	821.27	826.76	829.62	830.53	829.47
15.00°	796.22	809.45	814.03	808.15	794.18
20.00°	777.34	786.89	778.71	757.30	745.80
25.00°	744.55	753.97	729.15	696.42	685.59
30.00°	711.68	712.66	666.69	632.80	620.21
35.00°	666.88	661.81	606.34	566.19	551.65
40.00°	616.02	603.72	540.73	493.39	474.88
45.00°	567.10	539.99	470.38	419.57	399.74
50.00°	506.72	472.82	398.24	344.57	324.75
55.00°	443.87	402.96	323.44	270.45	251.20
60.00°	374.56	329.01	250.17	196.25	177.94
65.00°	304.42	254.46	177.30	129.27	119.81
70.00°	227.60	181.40	111.73	93.31	91.96
75.00°	155.45	111.72	71.95	65.65	64.31
80.00°	90.71	56.59	43.75	40.90	40.67
85.00°	33.64	21.66	19.78	18.71	18.52
90.00°	5.00	4.20	4.06	3.83	3.72

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	21,210	21,210	21,210
45.00°	20,392	16,914	14,374
55.00°	19,677	14,338	11,136
65.00°	18,315	10,667	7,208
75.00°	15,272	7,068	6,318
85.00°	9,814	5,771	5,403



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	2,401	2,401	2,401	2,401	2,345	2,345	2,345	2,345	2,241	2,241	2,241	2,145	2,145	2,145	2,057	2,057	2,057	2,016
	1	2,213	2,125	2,046	1,975	2,159	2,079	2,008	1,943	1,994	1,935	1,881	1,916	1,868	1,824	1,844	1,805	1,770	1,728
	2	2,028	1,874	1,747	1,640	1,976	1,837	1,720	1,621	1,766	1,668	1,583	1,700	1,619	1,547	1,640	1,573	1,513	1,471
	3	1,861	1,662	1,509	1,386	1,812	1,631	1,489	1,374	1,572	1,450	1,350	1,517	1,413	1,326	1,466	1,379	1,304	1,262
	4	1,713	1,485	1,318	1,191	1,668	1,459	1,303	1,183	1,409	1,274	1,167	1,363	1,246	1,151	1,320	1,219	1,136	1,094
	5	1,582	1,336	1,165	1,038	1,541	1,314	1,153	1,032	1,272	1,130	1,021	1,233	1,108	1,010	1,196	1,087	999	958
	6	1,467	1,210	1,038	915	1,429	1,192	1,029	911	1,156	1,011	903	1,123	994	895	1,091	977	888	848
	7	1,364	1,103	934	815	1,330	1,087	927	812	1,057	912	807	1,028	898	801	1,001	885	795	757
	8	1,274	1,011	846	733	1,243	998	840	731	972	829	727	947	817	722	924	806	718	681
	9	1,193	932	772	664	1,165	920	767	663	898	758	659	876	748	656	856	739	653	617
10	1,121	863	709	606	1,096	853	705	605	833	697	603	815	689	600	797	681	597	563	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	23 fc	18 ft	12 ft
8 ft	13 fc	25 ft	15 ft
10 ft	8 fc	31 ft	19 ft
12 ft	6 fc	37 ft	23 ft
15 ft	4 fc	46 ft	29 ft