



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

VAR-RF-4-D10-30-80-OW-W

VARIO Linear - White Housing - Direct - Opal Lens

Test Number

IES-P00275

Test Date

Mon Dec 09 15:26:18 2019

The results contained in this report pertain only to the tested sample.
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VAR-RF-4-D10-30-80-OW-W
VARIO Linear - White Housing - Direct - Opal Lens
LED (3000K 80+ CRI)



Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	42.11 W
Lumens:	4,022.71 lm
Efficiency:	N/A
Efficacy:	95.09 lm/W

Spacing Criterion

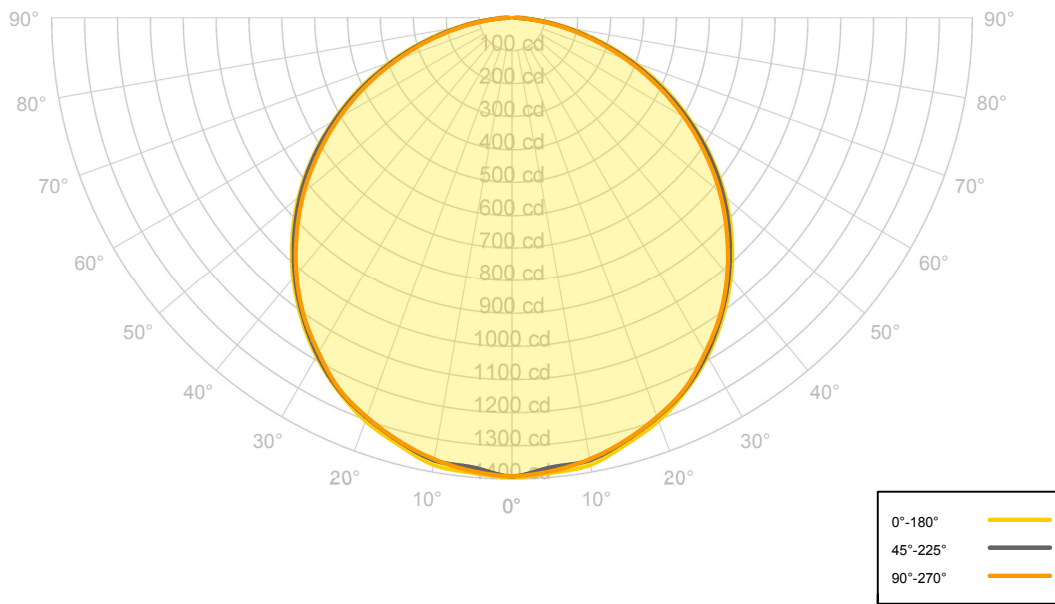
Two luminaires, plane 0°	1.26
Two luminaires, plane 90°	1.25
Four luminaires	1.38

Full Beam Angle

0° - 180°	113.75°
90° - 270°	111.75°

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°	157.88	3.92%	90° - 100°	2.79	0.07%
10° - 20°	376.28	9.35%	100° - 110°	0.00	0.00%
20° - 30°	572.17	14.22%	100° - 120°	0.00	0.00%
30° - 40°	691.51	17.19%	120° - 130°	0.00	0.00%
40° - 50°	719.50	17.89%	130° - 140°	0.00	0.00%
50° - 60°	650.57	16.17%	140° - 150°	0.00	0.00%
60° - 70°	493.35	12.26%	150° - 160°	0.00	0.00%
70° - 80°	280.10	6.96%	160° - 170°	0.00	0.00%
80° - 90°	81.35	2.02%	170° - 180°	0.00	0.00%
0° - 90°	4,022.71	100.00%	0° - 180°	4,022.71	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	1,395.58	1,395.58	1,395.58	1,395.58	1,395.58
5.00°	1,386.70	1,389.78	1,373.34	1,382.97	1,384.92
10.00°	1,378.03	1,367.06	1,367.52	1,366.49	1,364.14
15.00°	1,340.98	1,340.54	1,333.50	1,338.64	1,332.40
20.00°	1,303.19	1,297.28	1,294.01	1,293.24	1,292.58
25.00°	1,250.94	1,247.15	1,248.18	1,240.64	1,245.54
30.00°	1,189.46	1,185.09	1,183.75	1,179.04	1,176.64
35.00°	1,116.22	1,111.86	1,109.02	1,103.12	1,104.62
40.00°	1,035.25	1,030.07	1,027.06	1,022.54	1,019.81
45.00°	945.03	941.70	936.39	931.36	925.24
50.00°	847.22	843.46	839.18	829.34	826.34
55.00°	739.98	738.78	733.94	722.33	717.39
60.00°	627.37	627.38	618.84	607.99	605.65
65.00°	513.17	509.21	500.28	491.13	489.09
70.00°	392.98	390.38	380.28	372.35	369.32
75.00°	275.45	272.48	261.98	256.59	253.76
80.00°	167.22	162.61	155.86	150.22	147.33
85.00°	76.41	72.04	65.90	60.73	58.44
90.00°	19.97	13.40	8.51	6.03	5.58

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	10,494	10,494	10,494
45.00°	9,175	5,421	4,712
55.00°	8,538	4,383	3,682
65.00°	7,581	3,185	2,610
75.00°	5,902	1,846	1,457
85.00°	3,154	538	375



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pfc	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%
RCR	0	4,792	4,792	4,792	4,792	4,680	4,680	4,680	4,680	4,471	4,471	4,471	4,280	4,280	4,280	4,105	4,105	4,105	4,023
	1	4,374	4,180	4,006	3,850	4,264	4,088	3,930	3,787	3,916	3,786	3,666	3,758	3,652	3,553	3,612	3,527	3,447	3,362
	2	3,975	3,641	3,365	3,133	3,869	3,564	3,310	3,095	3,421	3,207	3,022	3,288	3,109	2,952	3,165	3,017	2,885	2,798
	3	3,623	3,197	2,866	2,603	3,523	3,132	2,826	2,579	3,012	2,749	2,533	2,900	2,676	2,488	2,796	2,606	2,444	2,356
	4	3,317	2,832	2,477	2,205	3,224	2,778	2,446	2,190	2,676	2,387	2,159	2,582	2,331	2,129	2,494	2,278	2,099	2,011
	5	3,051	2,531	2,168	1,900	2,966	2,486	2,144	1,889	2,399	2,098	1,867	2,319	2,054	1,846	2,244	2,012	1,826	1,740
	6	2,819	2,280	1,919	1,659	2,741	2,241	1,900	1,651	2,168	1,863	1,636	2,100	1,829	1,621	2,036	1,795	1,607	1,523
	7	2,615	2,069	1,715	1,466	2,544	2,036	1,700	1,461	1,973	1,670	1,450	1,915	1,642	1,439	1,860	1,615	1,428	1,347
	8	2,435	1,889	1,546	1,309	2,372	1,861	1,533	1,305	1,807	1,509	1,297	1,757	1,486	1,289	1,710	1,464	1,280	1,203
	9	2,277	1,735	1,404	1,180	2,219	1,711	1,394	1,177	1,665	1,374	1,170	1,621	1,355	1,164	1,580	1,336	1,157	1,083
	10	2,136	1,603	1,284	1,071	2,084	1,582	1,275	1,069	1,541	1,259	1,064	1,504	1,243	1,059	1,468	1,227	1,054	983

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	39 fc	18 ft	18 ft
8 ft	22 fc	25 ft	24 ft
10 ft	14 fc	31 ft	30 ft
12 ft	10 fc	37 ft	35 ft
15 ft	6 fc	46 ft	44 ft