



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-D5-30-80-OW-W

VARIO Linear - White Housing - Direct - Opal Lens

Test Number

IES-P00273

Test Date

Mon Dec 09 13:29:55 2019

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Picasso Lighting Industries, LLC.

VAR-RF-4-D5-30-80-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:	21.55 W
Lumens:	2,017.06 lm
Efficiency:	N/A
Efficacy:	93.17 lm/W

Spacing Criterion

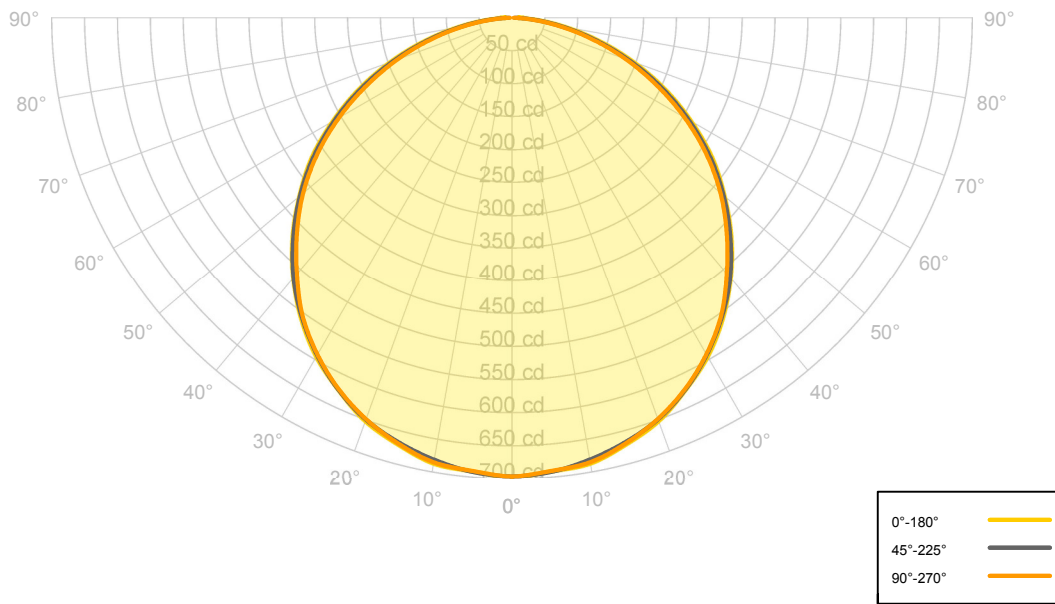
Two luminaires, plane 0°	1.26
Two luminaires, plane 90°	1.25
Four luminaires	1.38

Full Beam Angle

0° - 180°	114.1°
90° - 270°	112.08°

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°	79.01	3.92%	90° - 100°	1.42	0.07%
10° - 20°	188.57	9.35%	100° - 110°	0.00	0.00%
20° - 30°	286.76	14.22%	100° - 120°	0.00	0.00%
30° - 40°	346.96	17.20%	120° - 130°	0.00	0.00%
40° - 50°	360.53	17.87%	130° - 140°	0.00	0.00%
50° - 60°	326.40	16.18%	140° - 150°	0.00	0.00%
60° - 70°	247.51	12.27%	150° - 160°	0.00	0.00%
70° - 80°	140.55	6.97%	160° - 170°	0.00	0.00%
80° - 90°	40.78	2.02%	170° - 180°	0.00	0.00%
0° - 90°	2,017.06	100.00%	0° - 180°	2,017.06	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	698.12	698.12	698.12	698.12	698.12
5.00°	691.42	690.47	693.66	692.28	692.23
10.00°	687.41	685.94	682.64	683.34	686.76
15.00°	671.07	671.00	668.36	670.28	670.40
20.00°	652.47	650.56	650.35	647.35	649.67
25.00°	624.67	622.79	624.59	623.63	623.46
30.00°	595.71	595.55	592.78	592.47	591.61
35.00°	559.41	557.61	556.71	554.14	554.75
40.00°	517.71	516.55	516.62	512.75	508.78
45.00°	472.12	473.22	469.99	465.45	462.32
50.00°	422.29	422.17	420.49	416.96	414.38
55.00°	372.65	370.21	367.95	362.00	361.12
60.00°	315.15	315.33	310.58	306.11	303.26
65.00°	256.97	255.97	251.22	246.17	243.18
70.00°	197.05	196.22	190.70	186.96	184.65
75.00°	138.87	136.52	132.09	128.25	127.29
80.00°	84.29	81.64	78.04	74.93	73.88
85.00°	38.57	36.32	32.79	30.25	29.24
90.00°	9.96	7.04	4.28	2.99	2.80

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	5,250	5,250	5,250
45.00°	4,584	2,721	2,354
55.00°	4,300	2,197	1,854
65.00°	3,796	1,599	1,298
75.00°	2,976	931	731
85.00°	1,592	268	188



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	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%
RCR	0	2,403	2,403	2,403	2,403	2,347	2,347	2,347	2,347	2,242	2,242	2,242	2,146	2,146	2,146	2,058	2,058	2,058	2,017
	1	2,193	2,096	2,009	1,930	2,138	2,050	1,970	1,899	1,964	1,898	1,838	1,884	1,831	1,782	1,811	1,768	1,728	1,686
	2	1,993	1,826	1,687	1,571	1,940	1,787	1,660	1,552	1,715	1,608	1,515	1,648	1,559	1,480	1,587	1,513	1,447	1,403
	3	1,817	1,603	1,437	1,305	1,766	1,571	1,417	1,293	1,510	1,378	1,270	1,454	1,342	1,247	1,402	1,307	1,225	1,181
	4	1,663	1,420	1,242	1,106	1,617	1,393	1,226	1,098	1,342	1,197	1,082	1,294	1,169	1,067	1,250	1,142	1,052	1,008
	5	1,530	1,269	1,087	952	1,487	1,246	1,075	947	1,203	1,052	936	1,163	1,030	926	1,125	1,009	915	872
	6	1,413	1,143	962	832	1,374	1,124	952	828	1,087	934	820	1,053	917	813	1,021	900	805	763
	7	1,311	1,037	859	735	1,276	1,021	852	732	989	837	727	960	823	721	932	809	716	675
	8	1,221	947	775	656	1,189	933	769	654	906	757	650	881	745	646	857	734	642	603
	9	1,141	870	704	591	1,113	858	699	590	835	689	586	813	679	583	792	670	580	543
	10	1,071	803	643	537	1,045	793	639	536	773	631	533	754	623	531	736	615	528	493

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	19 fc	19 ft	18 ft
8 ft	11 fc	25 ft	24 ft
10 ft	7 fc	31 ft	30 ft
12 ft	5 fc	37 ft	36 ft
15 ft	3 fc	46 ft	45 ft