



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-D7-30-80-OW-W

VARIO Linear - White Housing - Direct - Opal Lens

Test Number

IES-P00274

Test Date

Mon Dec 09 14:02:26 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-D7-30-80-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:	32.02 W
Lumens:	3,022.95 lm
Efficiency:	N/A
Efficacy:	93.98 lm/W

Spacing Criterion

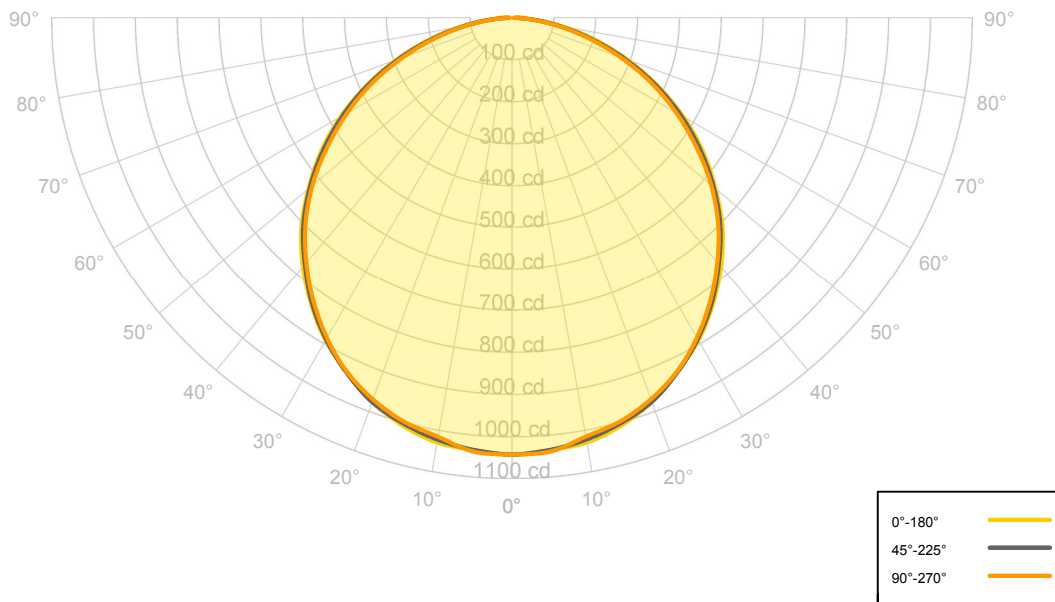
Two luminaires, plane 0°	1.26
Two luminaires, plane 90°	1.25
Four luminaires	1.38

Full Beam Angle

0° - 180°	114.17°
90° - 270°	111.92°

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°	118.23	3.91%	90° - 100°	2.14	0.07%
10° - 20°	282.69	9.35%	100° - 110°	0.00	0.00%
20° - 30°	429.73	14.22%	100° - 120°	0.00	0.00%
30° - 40°	519.20	17.18%	120° - 130°	0.00	0.00%
40° - 50°	540.57	17.88%	130° - 140°	0.00	0.00%
50° - 60°	489.17	16.18%	140° - 150°	0.00	0.00%
60° - 70°	371.33	12.28%	150° - 160°	0.00	0.00%
70° - 80°	210.74	6.97%	160° - 170°	0.00	0.00%
80° - 90°	61.30	2.03%	170° - 180°	0.00	0.00%
0° - 90°	3,022.95	100.00%	0° - 180°	3,022.95	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	1,044.35	1,044.35	1,044.35	1,044.35	1,044.35
5.00°	1,036.23	1,034.87	1,037.48	1,033.52	1,041.49
10.00°	1,029.99	1,021.10	1,024.24	1,027.56	1,017.23
15.00°	1,008.45	1,006.74	1,004.02	1,001.80	999.44
20.00°	976.39	979.22	977.82	973.44	971.25
25.00°	934.03	936.65	935.91	932.41	933.83
30.00°	891.31	892.07	888.41	884.14	884.29
35.00°	836.98	834.70	832.93	830.33	826.77
40.00°	777.12	773.66	769.76	768.69	764.56
45.00°	711.81	706.63	705.23	698.20	697.72
50.00°	634.78	634.19	630.00	622.89	622.38
55.00°	557.28	556.87	549.55	544.41	538.34
60.00°	473.06	471.71	466.07	457.96	454.05
65.00°	383.62	384.64	378.26	368.13	368.03
70.00°	294.12	294.78	287.42	279.42	276.97
75.00°	207.29	204.55	198.08	192.35	189.96
80.00°	125.27	123.29	117.17	113.15	111.05
85.00°	57.85	54.53	49.46	45.20	44.15
90.00°	15.41	10.47	6.26	4.66	4.22

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	7,853	7,853	7,853
45.00°	6,911	4,083	3,553
55.00°	6,430	3,282	2,763
65.00°	5,667	2,408	1,964
75.00°	4,442	1,396	1,090
85.00°	2,388	404	283



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%	
	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	3,601	3,601	3,601	3,601	3,517	3,517	3,517	3,517	3,360	3,360	3,360	3,217	3,217	3,217	3,085	3,085	3,085	3,023
	1	3,287	3,141	3,010	2,893	3,204	3,072	2,953	2,845	2,943	2,844	2,755	2,824	2,744	2,670	2,714	2,650	2,590	2,526
	2	2,987	2,736	2,528	2,354	2,907	2,678	2,487	2,325	2,570	2,409	2,270	2,470	2,336	2,218	2,378	2,267	2,168	2,102
	3	2,723	2,402	2,153	1,956	2,647	2,353	2,123	1,938	2,263	2,065	1,903	2,178	2,010	1,869	2,100	1,958	1,836	1,769
	4	2,493	2,128	1,861	1,657	2,422	2,087	1,838	1,645	2,011	1,793	1,621	1,939	1,751	1,599	1,873	1,711	1,577	1,511
	5	2,292	1,901	1,628	1,427	2,228	1,867	1,610	1,419	1,802	1,576	1,402	1,742	1,543	1,387	1,686	1,511	1,371	1,307
	6	2,118	1,713	1,441	1,246	2,059	1,684	1,427	1,240	1,629	1,400	1,229	1,577	1,373	1,217	1,529	1,348	1,206	1,144
	7	1,964	1,554	1,288	1,101	1,912	1,529	1,276	1,097	1,482	1,254	1,089	1,438	1,233	1,080	1,397	1,213	1,072	1,012
	8	1,830	1,419	1,161	983	1,782	1,398	1,152	980	1,358	1,134	974	1,320	1,116	968	1,284	1,099	961	903
	9	1,710	1,303	1,054	886	1,667	1,285	1,047	883	1,250	1,032	879	1,218	1,017	874	1,187	1,004	869	813
	10	1,604	1,204	964	804	1,565	1,188	958	802	1,158	945	799	1,129	933	795	1,102	922	791	738

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	29 fc	19 ft	18 ft
8 ft	16 fc	25 ft	24 ft
10 ft	10 fc	31 ft	30 ft
12 ft	7 fc	37 ft	36 ft
15 ft	5 fc	46 ft	44 ft