



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

GRD-SF-2-D5-40-80-FWD.5-SM-ND-1-W
Grid - MLS95 Direct 2ft Lambertian - Diffuse Lens - DC Power

Test Number

IES-P00348

Test Date

Apr 27 11:00:59 2021

The results contained in this report pertain only to the tested sample.
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GRD-SF-2-D5-40-80-FWD.5-SM-ND-1-W
Grid - MLS95 Direct 2ft Lambertian - Diffuse Lens - DC Power



Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	5.18 W
Lumens:	908.00 lm
Efficiency:	N/A
Efficacy:	175.29 lm/W

Spacing Criterion

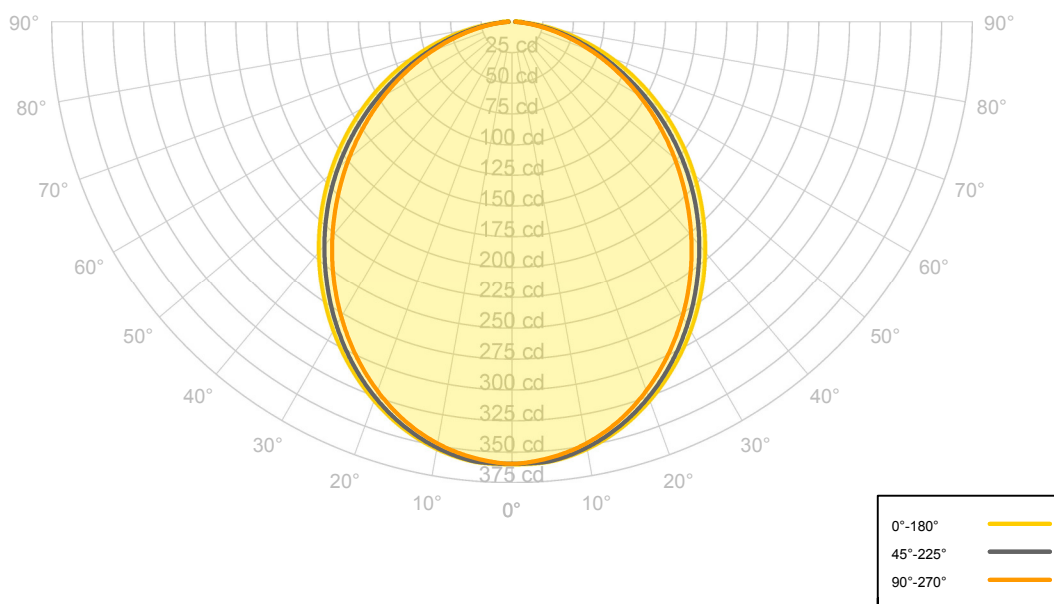
Two luminaires, plane 0°	1.2
Two luminaires, plane 90°	1.15
Four luminaires	1.28

Full Beam Angle

0° - 180°	105.04°
90° - 270°	97.45°

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°	36.02	3.97%	90° - 100°	0.65	0.07%
10° - 20°	95.49	10.52%	100° - 110°	0.00	0.00%
20° - 30°	140.48	15.47%	100° - 120°	0.00	0.00%
30° - 40°	163.04	17.96%	120° - 130°	0.00	0.00%
40° - 50°	161.98	17.84%	130° - 140°	0.00	0.00%
50° - 60°	139.84	15.40%	140° - 150°	0.00	0.00%
60° - 70°	101.47	11.17%	150° - 160°	0.00	0.00%
70° - 80°	54.79	6.03%	160° - 170°	0.00	0.00%
80° - 90°	14.91	1.64%	170° - 180°	0.00	0.00%
0° - 90°	908.00	100.00%	0° - 180°	908.00	100.00%



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Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°	112.50°	135.00°	157.50°	180.00°	202.50°	225.00°	247.50°	270.00°	292.50°	315.00°	337.50°
0.00°	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38	360.38
5.00°	359.35	359.24	359.49	359.28	356.80	357.22	357.94	358.86	359.35	359.24	359.49	359.28	356.80	357.22	357.94	358.86
10.00°	353.15	352.92	352.42	351.90	349.05	349.82	351.11	352.64	353.15	352.92	352.42	351.90	349.05	349.82	351.11	352.64
15.00°	342.71	342.55	341.03	339.87	336.82	337.99	339.96	342.24	342.71	342.55	341.03	339.87	336.82	337.99	339.96	342.24
20.00°	328.41	328.03	325.75	323.62	320.23	321.92	324.91	327.48	328.41	328.03	325.75	323.62	320.23	321.92	324.91	327.48
25.00°	310.94	310.03	307.18	303.75	300.41	302.37	306.11	309.54	310.94	310.03	307.18	303.75	300.41	302.37	306.11	309.54
30.00°	291.05	289.59	285.81	281.72	277.90	280.30	284.42	289.26	291.05	289.59	285.81	281.72	277.90	280.30	284.42	289.26
35.00°	268.76	266.98	262.29	257.71	253.45	256.30	261.21	266.75	268.76	266.98	262.29	257.71	253.45	256.30	261.21	266.75
40.00°	244.83	242.54	237.67	231.80	227.44	230.58	236.66	242.51	244.83	242.54	237.67	231.80	227.44	230.58	236.66	242.51
45.00°	219.59	217.08	211.93	204.76	200.39	203.65	210.94	216.93	219.59	217.08	211.93	204.76	200.39	203.65	210.94	216.93
50.00°	193.60	190.92	184.79	177.29	173.28	176.45	184.35	190.84	193.60	190.92	184.79	177.29	173.28	176.45	184.35	190.84
55.00°	167.00	164.37	156.75	150.06	146.27	149.26	157.00	164.45	167.00	164.37	156.75	150.06	146.27	149.26	157.00	164.45
60.00°	139.88	137.31	128.37	122.88	119.61	122.33	129.48	137.40	139.88	137.31	128.37	122.88	119.61	122.33	129.48	137.40
65.00°	112.90	109.87	100.20	96.19	93.60	96.04	102.45	110.34	112.90	109.87	100.20	96.19	93.60	96.04	102.45	110.34
70.00°	85.81	81.76	74.05	70.83	68.55	70.55	76.21	83.35	85.81	81.76	74.05	70.83	68.55	70.55	76.21	83.35
75.00°	59.83	53.15	50.37	47.00	45.28	47.09	51.23	57.39	59.83	53.15	50.37	47.00	45.28	47.09	51.23	57.39
80.00°	35.73	29.44	28.52	26.03	25.10	26.12	29.21	33.65	35.73	29.44	28.52	26.03	25.10	26.12	29.21	33.65
85.00°	15.31	12.32	10.87	9.64	9.22	10.26	11.80	13.93	15.31	12.32	10.87	9.64	9.22	10.26	11.80	13.93
90.00°	2.64	1.85	2.40	2.01	2.61	2.53	2.80	2.05	2.64	1.85	2.40	2.01	2.61	2.53	2.80	2.05

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	0	0	0
45.00°	0	0	0
55.00°	0	0	0
65.00°	0	0	0
75.00°	0	0	0
85.00°	0	0	0



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	1,082	1,082	1,082	1,082	1,056	1,056	1,056	1,056	1,009	1,009	1,009	966	966	966	927	927	927	908
	1	992	950	912	878	967	929	895	864	891	862	837	855	832	811	822	804	787	768
	2	905	832	772	722	881	815	760	713	783	736	696	753	714	680	726	694	665	646
	3	827	734	662	604	805	720	653	599	693	635	588	668	619	578	644	603	568	548
	4	759	653	575	515	738	641	568	512	618	555	505	597	542	498	577	530	491	472
	5	700	585	505	446	681	575	500	444	556	490	439	538	480	434	521	470	429	410
	6	647	529	449	392	630	520	445	390	504	436	386	488	429	383	474	421	380	361
	7	601	481	402	347	586	473	399	346	459	392	344	446	386	341	434	380	339	321
	8	561	440	364	311	546	433	361	310	421	355	308	410	350	306	400	345	305	287
	9	524	404	331	281	512	399	329	280	389	324	279	379	320	277	370	316	276	260
	10	492	374	303	256	481	369	301	255	360	297	254	352	294	253	344	290	252	236

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	10 fc	16 ft	14 ft
8 ft	6 fc	21 ft	18 ft
10 ft	4 fc	26 ft	23 ft
12 ft	3 fc	31 ft	27 ft
15 ft	2 fc	39 ft	34 ft