



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

APX-PR-4x6-D3-I7-30-80-OW/MC

APEX 4'x6" - Sound Absorbing Panels - Direct/Indirect - Opal White/Matte Clear Lenses

Test Number

IES-P00254

Test Date

Thu Oct 10 13:19:59 2019

The results contained in this report pertain only to the tested sample.
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APX-PR-4x6-D3-I7-30-80-OW/MC
APEX 4'x6" - Sound Absorbing Panels - Direct/Indirect - Opal White/Matte Clear Lenses
LED (3000K 80+ CRI)



Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	47.9 W
Lumens:	4,501.28 lm
Efficiency:	N/A
Efficacy:	91.99 lm/W

Spacing Criterion

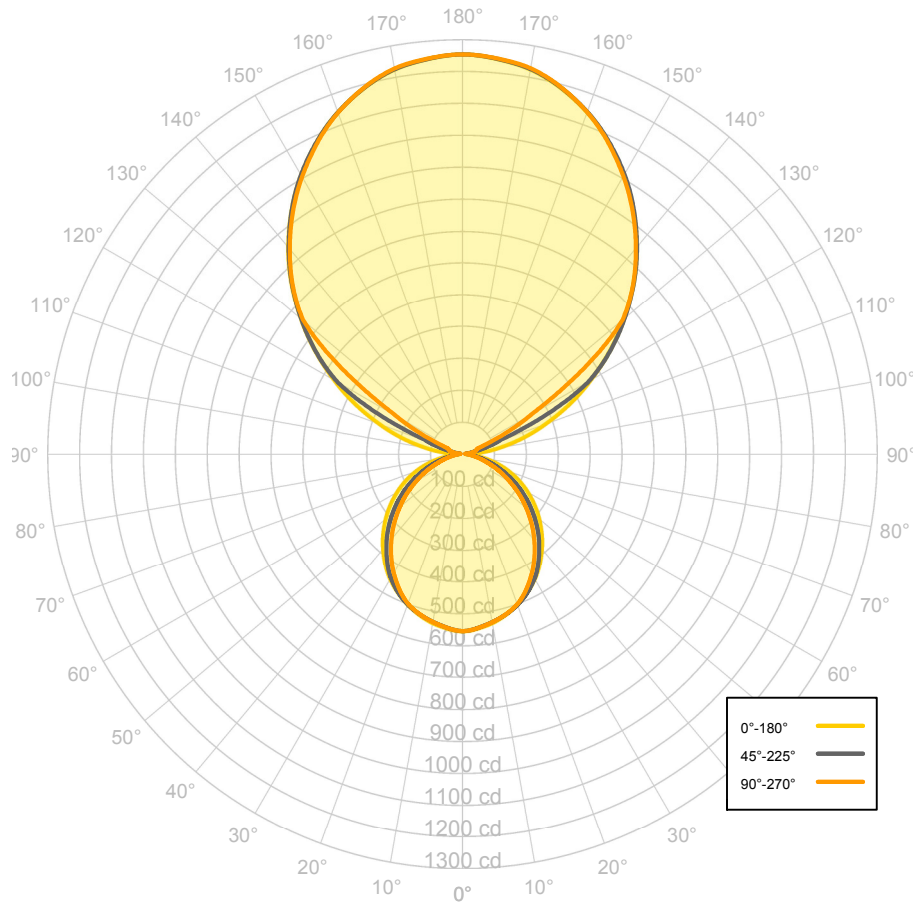
Two luminaires, plane 0°	1.2
Two luminaires, plane 90°	1.15
Four luminaires	1.3

Full Beam Angle

0° - 180°	360°
90° - 270°	360°

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°	93.72	2.08%	90° - 100°	32.84	0.73%
10° - 20°	145.42	3.23%	100° - 110°	108.20	2.40%
20° - 30°	216.55	4.81%	100° - 120°	379.70	8.44%
30° - 40°	252.85	5.62%	120° - 130°	469.29	10.43%
40° - 50°	251.04	5.58%	130° - 140°	576.28	12.80%
50° - 60°	214.83	4.77%	140° - 150°	575.78	12.79%
60° - 70°	152.54	3.39%	150° - 160°	491.14	10.91%
70° - 80°	79.87	1.77%	160° - 170°	330.77	7.35%
80° - 90°	26.08	0.58%	170° - 180°	212.58	4.72%
0° - 90°	1,432.91	31.83%	0° - 180°	4,501.28	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	556.73	556.73	556.73	556.73	556.73
10.00°	539.25	537.04	536.19	539.34	536.76
20.00°	503.12	505.36	504.24	501.82	501.78
30.00°	453.58	452.72	450.96	438.82	433.23
40.00°	387.29	388.03	373.25	354.93	348.44
50.00°	313.92	310.72	286.49	265.75	257.07
60.00°	236.40	226.45	195.99	172.63	165.59
70.00°	155.35	138.51	107.00	87.79	82.22
80.00°	71.74	51.39	32.86	27.55	26.77
90.00°	11.47	7.35	7.53	7.55	7.51
100.00°	117.81	63.61	32.76	36.97	37.81
110.00°	276.74	274.96	126.87	53.92	51.24
120.00°	464.40	473.69	458.89	326.55	252.40
130.00°	660.79	664.41	663.90	660.13	654.65
140.00°	849.70	850.02	850.50	847.01	845.42
150.00°	1,011.32	1,012.03	1,014.50	1,010.89	1,007.31
160.00°	1,141.58	1,144.60	1,142.63	1,144.29	1,141.54
170.00°	1,225.18	1,223.92	1,226.53	1,228.91	1,228.87
180.00°	1,253.93	1,253.93	1,253.93	1,253.93	1,253.93

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	6,606	6,606	6,606
45.00°	5,224	2,103	1,597
55.00°	4,822	1,498	1,062
65.00°	4,327	945	613
75.00°	3,538	452	273
85.00°	2,318	140	90



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	4,628	4,628	4,628	4,628	4,164	4,164	4,164	4,164	3,297	3,297	3,297	2,504	2,504	2,504	1,775	1,775	1,775	1,433
	1	4,224	4,036	3,868	3,717	3,794	3,638	3,497	3,370	2,892	2,797	2,710	2,207	2,146	2,090	1,575	1,540	1,507	1,217
	2	3,851	3,532	3,269	3,048	3,454	3,188	2,966	2,777	2,542	2,387	2,254	1,946	1,844	1,756	1,394	1,334	1,279	1,031
	3	3,516	3,108	2,794	2,543	3,152	2,810	2,541	2,325	2,246	2,057	1,901	1,725	1,598	1,492	1,242	1,164	1,097	882
	4	3,217	2,752	2,412	2,152	2,884	2,491	2,199	1,973	1,998	1,789	1,623	1,541	1,398	1,282	1,115	1,025	951	764
	5	2,952	2,451	2,101	1,843	2,647	2,222	1,920	1,694	1,789	1,569	1,400	1,385	1,233	1,114	1,008	911	834	670
	6	2,718	2,196	1,846	1,595	2,439	1,994	1,690	1,469	1,611	1,387	1,221	1,253	1,097	977	918	817	738	594
	7	2,511	1,980	1,635	1,394	2,255	1,800	1,500	1,287	1,460	1,237	1,074	1,140	983	865	841	738	659	532
	8	2,327	1,795	1,459	1,229	2,093	1,635	1,341	1,136	1,330	1,110	953	1,044	887	772	775	671	594	481
	9	2,165	1,636	1,311	1,092	1,949	1,492	1,207	1,012	1,218	1,003	852	961	806	695	717	615	539	438
	10	2,021	1,499	1,186	978	1,822	1,369	1,093	907	1,122	912	768	888	737	629	668	566	493	401

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	15 fc	0 ft	0 ft
8 ft	9 fc	0 ft	0 ft
10 ft	6 fc	0 ft	0 ft
12 ft	4 fc	0 ft	0 ft
15 ft	2 fc	0 ft	0 ft