



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-D10-I5-30-80-OW/MC

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

Test Number

IES-P00265

Test Date

Fri Oct 11 13:47:05 2019

The results contained in this report pertain only to the tested sample.
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APX-PR-4x6-D10-I5-30-80-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:	69.12 W
Lumens:	6,139.44 lm
Efficiency:	N/A
Efficacy:	86.99 lm/W

Spacing Criterion

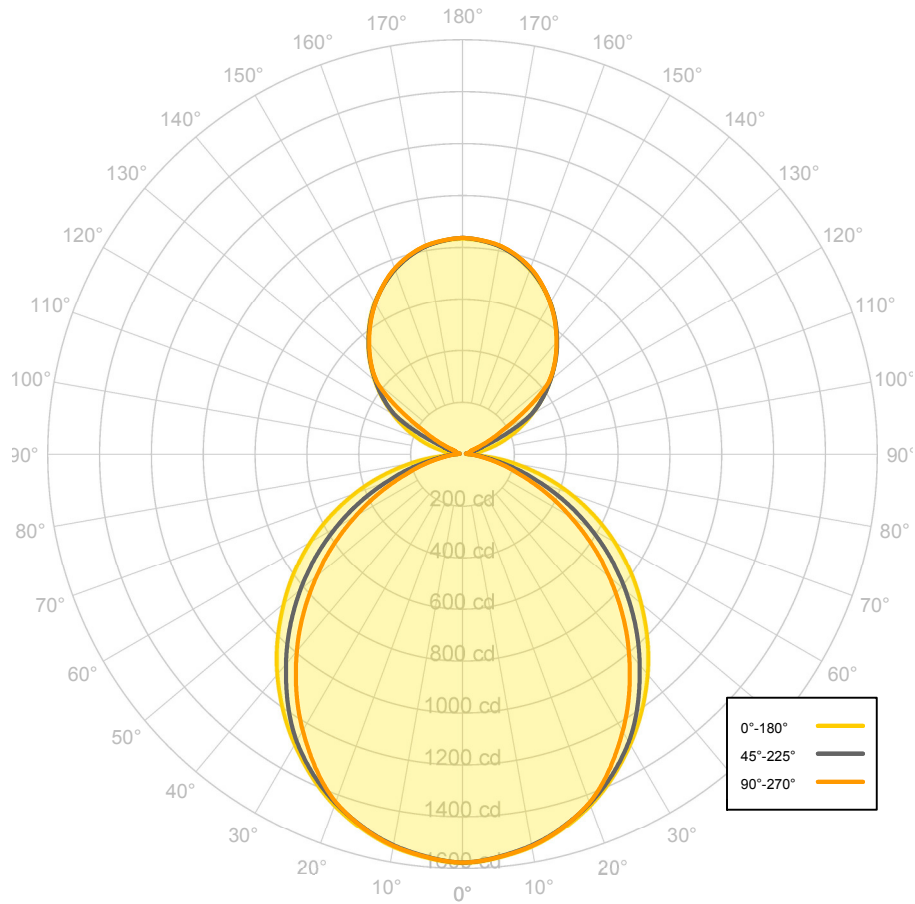
Two luminaires, plane 0°	1.21
Two luminaires, plane 90°	1.17
Four luminaires	1.3

Full Beam Angle

0° - 180°	330.2°
90° - 270°	329.63°

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°	267.09	4.35%	90° - 100°	25.72	0.42%
10° - 20°	415.91	6.77%	100° - 110°	72.29	1.18%
20° - 30°	618.33	10.07%	100° - 120°	253.26	4.13%
30° - 40°	722.05	11.76%	120° - 130°	312.19	5.09%
40° - 50°	718.31	11.70%	130° - 140°	383.69	6.25%
50° - 60°	615.65	10.03%	140° - 150°	383.88	6.25%
60° - 70°	437.06	7.12%	150° - 160°	327.34	5.33%
70° - 80°	228.64	3.72%	160° - 170°	220.06	3.58%
80° - 90°	69.02	1.12%	170° - 180°	141.24	2.30%
0° - 90°	4,092.07	66.65%	0° - 180°	6,139.44	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	1,579.42	1,579.42	1,579.42	1,579.42	1,579.42
10.00°	1,540.45	1,536.92	1,536.25	1,539.19	1,538.57
20.00°	1,443.41	1,446.11	1,437.30	1,437.09	1,433.85
30.00°	1,294.37	1,294.58	1,283.84	1,249.64	1,236.59
40.00°	1,111.27	1,109.93	1,063.25	1,015.17	998.13
50.00°	899.37	890.06	820.17	759.71	738.55
60.00°	677.66	647.47	562.40	497.61	474.24
70.00°	441.60	394.60	307.23	252.57	235.39
80.00°	204.29	147.87	94.61	79.17	76.78
90.00°	18.11	11.45	11.48	11.42	11.22
100.00°	78.57	42.20	22.08	24.66	25.48
110.00°	185.89	184.07	84.25	35.73	34.42
120.00°	310.10	314.96	306.07	217.13	167.34
130.00°	441.57	440.19	441.07	440.03	434.61
140.00°	565.89	567.54	566.76	564.53	563.14
150.00°	676.95	674.36	675.43	672.99	674.25
160.00°	760.46	760.87	760.25	762.61	764.16
170.00°	817.79	811.01	814.46	814.17	817.24
180.00°	833.94	833.94	833.94	833.94	833.94

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	18,741	18,741	18,741
45.00°	14,978	6,004	4,580
55.00°	13,820	4,294	3,048
65.00°	12,364	2,713	1,754
75.00°	10,062	1,299	783
85.00°	6,195	367	231



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%	
	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	6,821	6,821	6,821	6,821	6,425	6,425	6,425	6,425	5,684	5,684	5,684	5,007	5,007	5,007	4,384	4,384	4,384	4,092
	1	6,249	5,983	5,744	5,529	5,878	5,646	5,437	5,248	5,016	4,858	4,713	4,437	4,319	4,210	3,903	3,818	3,738	3,480
	2	5,708	5,250	4,872	4,554	5,362	4,962	4,627	4,344	4,420	4,161	3,937	3,921	3,723	3,549	3,459	3,311	3,179	2,947
	3	5,223	4,636	4,183	3,822	4,904	4,388	3,983	3,657	3,920	3,600	3,337	3,487	3,238	3,029	3,085	2,894	2,731	2,521
	4	4,794	4,124	3,634	3,260	4,501	3,909	3,469	3,128	3,503	3,150	2,870	3,125	2,845	2,619	2,774	2,556	2,375	2,184
	5	4,416	3,695	3,192	2,820	4,148	3,508	3,053	2,712	3,153	2,783	2,500	2,823	2,525	2,292	2,514	2,278	2,089	1,915
	6	4,083	3,333	2,831	2,470	3,838	3,169	2,712	2,380	2,858	2,482	2,202	2,567	2,261	2,027	2,295	2,049	1,856	1,698
	7	3,789	3,026	2,532	2,186	3,565	2,882	2,431	2,110	2,607	2,232	1,959	2,350	2,041	1,811	2,108	1,857	1,665	1,520
	8	3,529	2,764	2,284	1,953	3,324	2,636	2,195	1,888	2,392	2,023	1,759	2,163	1,856	1,632	1,948	1,695	1,507	1,373
	9	3,298	2,539	2,074	1,760	3,111	2,425	1,997	1,704	2,207	1,846	1,592	2,002	1,700	1,482	1,809	1,558	1,373	1,250
	10	3,093	2,345	1,896	1,598	2,921	2,242	1,828	1,549	2,047	1,695	1,452	1,862	1,565	1,356	1,688	1,440	1,261	1,147

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	44 fc	0 ft	0 ft
8 ft	25 fc	0 ft	0 ft
10 ft	16 fc	0 ft	0 ft
12 ft	11 fc	0 ft	0 ft
15 ft	7 fc	0 ft	0 ft