



**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-D5-I3-30-80-OW/MC

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

#### **Test Number**

IES-P00256

#### **Test Date**

Thu Oct 10 13:48:49 2019

The results contained in this report pertain only to the tested sample.  
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APX-PR-4x6-D5-I3-30-80-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:**

<b>Watts:</b>	39.08 W
<b>Lumens:</b>	3,477.13 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	87.12 lm/W

**Spacing Criterion**

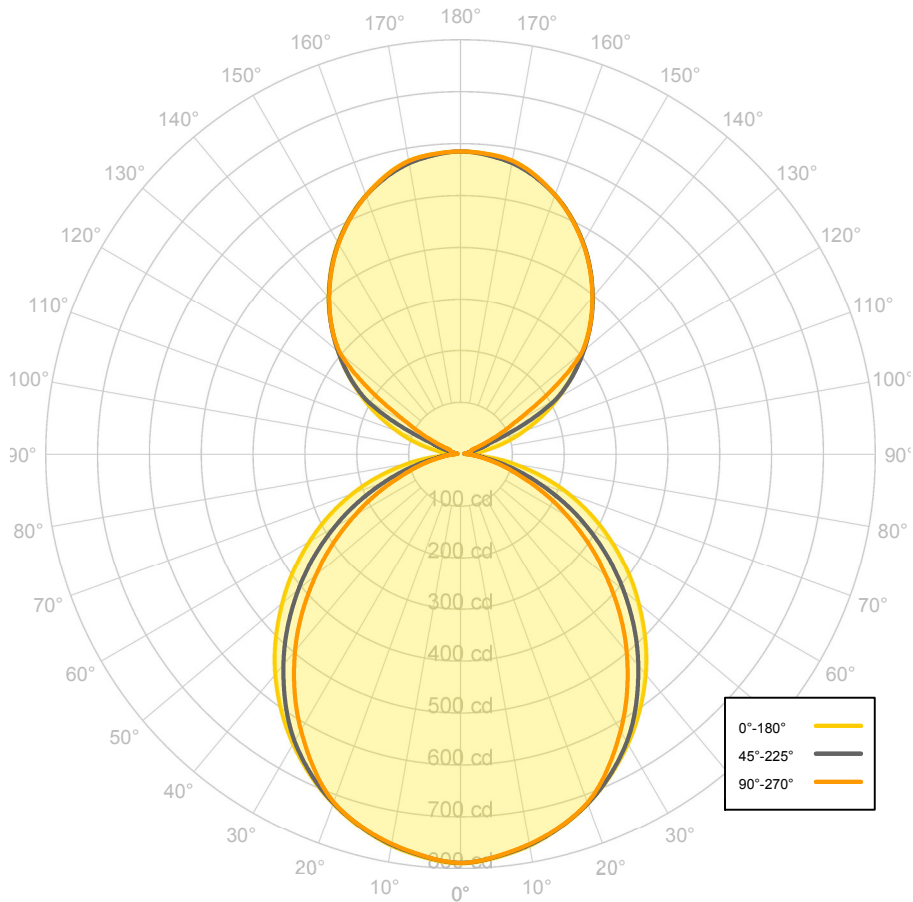
<b>Two luminaires, plane 0°</b>	1.21
<b>Two luminaires, plane 90°</b>	1.17
<b>Four luminaires</b>	1.31

**Full Beam Angle**

<b>0° - 180°</b>	279.88°
<b>90° - 270°</b>	279.93°

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°	133.47	3.84%	90° - 100°	17.02	0.49%
10° - 20°	207.55	5.97%	100° - 110°	50.60	1.46%
20° - 30°	308.99	8.89%	100° - 120°	177.48	5.10%
30° - 40°	361.29	10.39%	120° - 130°	219.15	6.30%
40° - 50°	358.81	10.32%	130° - 140°	268.97	7.74%
50° - 60°	306.73	8.82%	140° - 150°	268.76	7.73%
60° - 70°	217.61	6.26%	150° - 160°	229.15	6.59%
70° - 80°	113.88	3.28%	160° - 170°	154.34	4.44%
80° - 90°	34.74	1.00%	170° - 180°	99.21	2.85%
0° - 90°	2,043.06	58.76%	0° - 180°	3,477.13	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	790.42	790.42	790.42	790.42	790.42
10.00°	768.35	768.07	767.16	768.36	765.53
20.00°	717.74	719.83	718.79	717.53	717.02
30.00°	645.92	648.37	642.11	626.15	617.57
40.00°	555.59	555.17	533.27	507.79	498.42
50.00°	448.45	444.10	410.25	378.15	365.90
60.00°	336.01	323.72	280.38	247.17	234.91
70.00°	221.21	197.34	152.89	124.59	116.97
80.00°	102.49	73.17	46.95	39.62	38.48
90.00°	9.60	6.26	6.44	6.36	6.29
100.00°	54.77	29.60	15.55	17.40	17.81
110.00°	129.19	128.56	59.15	25.34	24.11
120.00°	217.56	220.25	214.32	153.29	118.43
130.00°	307.61	310.10	310.40	307.88	305.86
140.00°	395.74	396.92	396.45	395.56	395.52
150.00°	472.69	473.58	471.89	471.89	470.83
160.00°	533.26	534.01	532.07	533.25	532.19
170.00°	575.68	573.75	570.36	573.45	574.73
180.00°	584.33	584.33	584.33	584.33	584.33

**Average Luminaire Luminance [cd/m²]**

	0.00°	45.00°	90.00°
0.00°	9,379	9,379	9,379
45.00°	7,480	3,008	2,279
55.00°	6,874	2,145	1,510
65.00°	6,155	1,352	870
75.00°	5,043	646	390
85.00°	3,122	185	117



**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

	<b>pf<sub>c</sub></b>	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
	<b>pc<sub>c</sub></b>	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	<b>pw</b>	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
<b>RCR</b>	<b>0</b>	3,798	3,798	3,798	3,798	3,543	3,543	3,543	3,543	3,067	3,067	3,067	2,631	2,631	2,631	2,231	2,231	2,231	2,043
	<b>1</b>	3,477	3,327	3,193	3,073	3,239	3,110	2,994	2,889	2,703	2,617	2,539	2,330	2,268	2,210	1,985	1,942	1,901	1,738
	<b>2</b>	3,174	2,918	2,707	2,529	2,954	2,732	2,546	2,389	2,381	2,241	2,119	2,058	1,954	1,862	1,759	1,684	1,617	1,472
	<b>3</b>	2,903	2,575	2,322	2,120	2,700	2,414	2,190	2,009	2,111	1,937	1,795	1,830	1,698	1,588	1,569	1,472	1,389	1,259
	<b>4</b>	2,663	2,289	2,015	1,805	2,477	2,149	1,905	1,716	1,884	1,693	1,542	1,639	1,492	1,372	1,411	1,299	1,207	1,091
	<b>5</b>	2,451	2,048	1,766	1,559	2,281	1,926	1,674	1,485	1,695	1,494	1,341	1,479	1,322	1,199	1,278	1,158	1,061	957
	<b>6</b>	2,264	1,845	1,564	1,362	2,108	1,738	1,484	1,300	1,534	1,331	1,179	1,344	1,183	1,060	1,166	1,041	943	848
	<b>7</b>	2,099	1,673	1,396	1,202	1,957	1,578	1,328	1,150	1,398	1,195	1,047	1,229	1,067	945	1,071	943	845	759
	<b>8</b>	1,953	1,525	1,256	1,071	1,823	1,441	1,197	1,026	1,281	1,081	938	1,131	969	850	989	861	764	686
	<b>9</b>	1,824	1,399	1,138	963	1,704	1,324	1,086	924	1,180	984	847	1,046	886	771	918	790	696	625
	<b>10</b>	1,709	1,290	1,039	871	1,599	1,222	992	838	1,093	902	771	972	815	704	856	730	639	573

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	22 fc	0 ft	0 ft
8 ft	12 fc	0 ft	0 ft
10 ft	8 fc	0 ft	0 ft
12 ft	5 fc	0 ft	0 ft
15 ft	4 fc	0 ft	0 ft