



**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-D5-30-80-OW

APEX 4'x6" - Sound Absorbing Panels - Direct - Opal White Lens

#### **Test Number**

IES-P00269

#### **Test Date**

Mon Oct 14 11:50:37 2019

The results contained in this report pertain only to the tested sample.  
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APX-PR-4x6-D5-30-80-OW  
APEX 4'x6" - Sound Absorbing Panels - Direct - Opal White Lens  
LED (3000K 80+ CRI)



Image may differ slightly from actual unit.

**Summary of Results**

**Output:**

<b>Watts:</b>	24.56 W
<b>Lumens:</b>	2,014.27 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	81.6 lm/W

**Spacing Criterion**

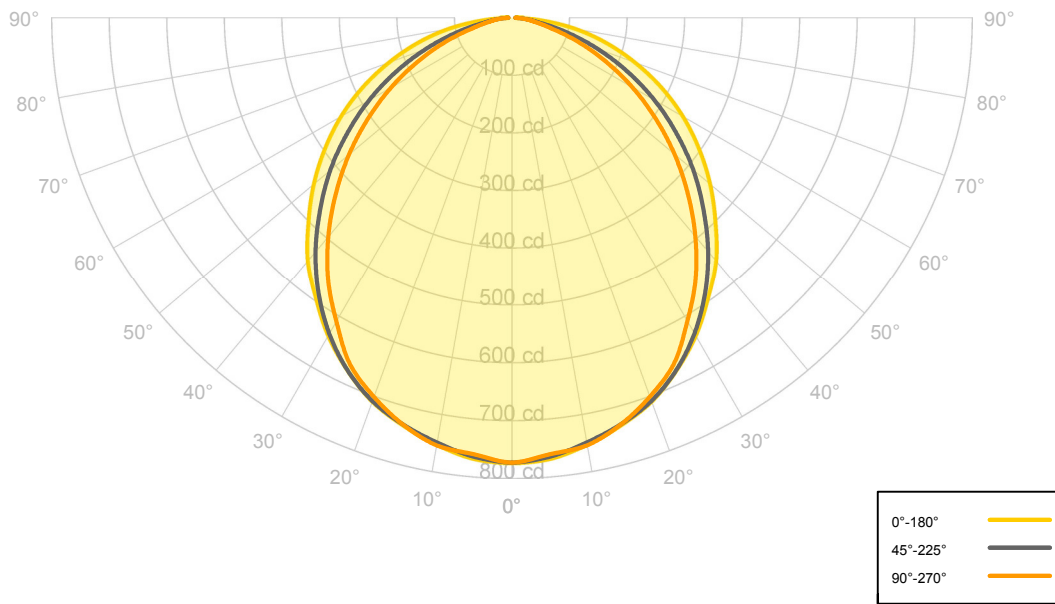
<b>Two luminaires, plane 0°</b>	1.23
<b>Two luminaires, plane 90°</b>	1.18
<b>Four luminaires</b>	1.32

**Full Beam Angle**

<b>0° - 180°</b>	111.86°
<b>90° - 270°</b>	97.24°

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°	87.32	4.33%	90° - 100°	1.63	0.08%
10° - 20°	206.09	10.23%	100° - 110°	0.00	0.00%
20° - 30°	308.48	15.31%	100° - 120°	0.00	0.00%
30° - 40°	361.74	17.96%	120° - 130°	0.00	0.00%
40° - 50°	361.86	17.96%	130° - 140°	0.00	0.00%
50° - 60°	312.80	15.53%	140° - 150°	0.00	0.00%
60° - 70°	225.16	11.18%	150° - 160°	0.00	0.00%
70° - 80°	117.88	5.85%	160° - 170°	0.00	0.00%
80° - 90°	32.95	1.64%	170° - 180°	0.00	0.00%
0° - 90°	2,014.27	100.00%	0° - 180°	2,014.27	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	773.51	773.51	773.51	773.51	773.51
5.00°	768.91	772.60	766.13	769.86	762.00
10.00°	753.00	753.28	749.88	751.99	754.87
15.00°	733.03	733.69	731.98	732.23	732.23
20.00°	709.93	707.68	709.20	708.88	701.43
25.00°	676.62	676.09	676.35	668.12	665.44
30.00°	638.95	639.54	634.69	618.85	609.99
35.00°	594.56	596.51	585.67	564.06	556.83
40.00°	552.05	550.55	531.05	505.43	496.46
45.00°	499.88	500.70	471.11	444.53	432.83
50.00°	449.45	444.71	411.93	381.04	369.23
55.00°	396.75	388.55	348.88	315.97	304.83
60.00°	342.99	327.29	286.12	252.29	242.08
65.00°	286.19	266.09	222.27	190.68	180.32
70.00°	227.20	203.93	159.41	131.60	122.72
75.00°	169.76	142.30	100.17	77.19	70.18
80.00°	111.84	81.30	47.68	40.39	40.06
85.00°	48.85	27.50	22.57	22.53	22.34
90.00°	6.70	5.96	5.93	5.66	5.66

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

	0.00°	45.00°	90.00°
0.00°	9,179	9,179	9,179
45.00°	8,389	7,906	7,263
55.00°	8,208	7,218	6,306
65.00°	8,035	6,241	5,063
75.00°	7,783	4,592	3,218
85.00°	6,651	3,073	3,042



**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

<b>RCR</b>	<b>pfc</b>	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	<b>pcc</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>0</b>	2,399	2,399	2,399	2,399	2,344	2,344	2,344	2,344	2,239	2,239	2,239	2,143	2,143	2,143	2,056	2,056	2,056	2,014
	<b>1</b>	2,201	2,108	2,025	1,951	2,146	2,063	1,987	1,919	1,977	1,915	1,858	1,898	1,847	1,801	1,825	1,785	1,747	1,705
	<b>2</b>	2,008	1,848	1,715	1,603	1,956	1,810	1,687	1,584	1,738	1,635	1,547	1,672	1,586	1,511	1,611	1,540	1,477	1,434
	<b>3</b>	1,836	1,630	1,470	1,343	1,787	1,598	1,450	1,331	1,538	1,412	1,307	1,483	1,375	1,284	1,431	1,340	1,262	1,219
	<b>4</b>	1,686	1,450	1,277	1,146	1,640	1,423	1,262	1,138	1,373	1,233	1,122	1,326	1,205	1,106	1,282	1,178	1,091	1,048
	<b>5</b>	1,553	1,300	1,123	992	1,511	1,278	1,111	987	1,235	1,088	976	1,195	1,066	965	1,158	1,045	955	913
	<b>6</b>	1,437	1,174	998	871	1,399	1,155	988	867	1,119	970	859	1,085	953	852	1,054	936	844	803
	<b>7</b>	1,335	1,068	895	773	1,301	1,052	887	770	1,021	872	764	992	858	759	965	845	753	714
<b>8</b>	1,245	977	809	693	1,214	963	802	691	937	791	686	912	779	682	888	768	678	640	
<b>9</b>	1,165	899	736	626	1,137	887	731	624	864	721	621	843	712	618	822	703	615	578	
<b>10</b>	1,094	832	675	570	1,068	821	670	569	801	662	566	782	654	564	765	646	561	526	

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	21 fc	18 ft	14 ft
8 ft	12 fc	24 ft	18 ft
10 ft	8 fc	30 ft	23 ft
12 ft	5 fc	35 ft	27 ft
15 ft	3 fc	44 ft	34 ft