



**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-I10-30-80-OW/MC

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

#### **Test Number**

IES-P00255

#### **Test Date**

Mon Oct 14 10:03:06 2019

The results contained in this report pertain only to the tested sample.  
This report shall not be reproduced, except in full, without written approval of Picasso Lighting Industries, LLC.

APX-PR-4x6-D3-I10-30-80-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>	57.34 W
<b>Lumens:</b>	5,525.19 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	94.32 lm/W

#### Spacing Criterion

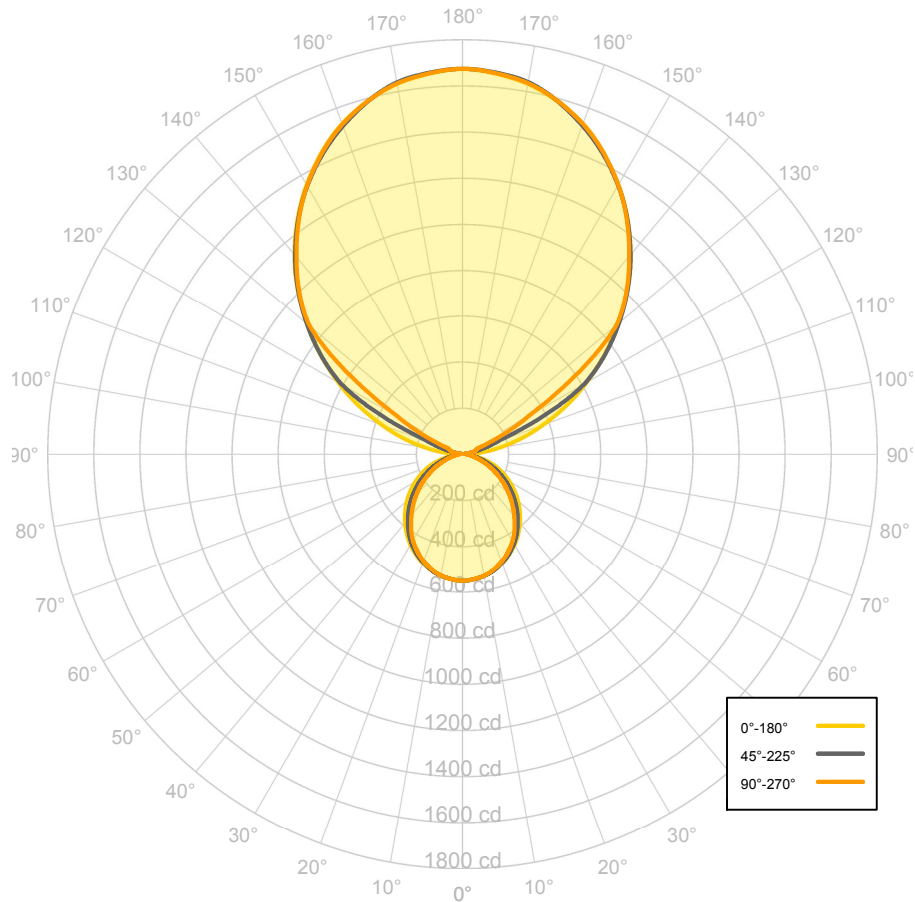
<b>Two luminaires, plane 0°</b>	1.21
<b>Two luminaires, plane 90°</b>	1.17
<b>Four luminaires</b>	1.3

#### Full Beam Angle

<b>0° - 180°</b>	360°
<b>90° - 270°</b>	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°	93.27	1.69%	90° - 100°	43.24	0.78%
10° - 20°	145.11	2.63%	100° - 110°	144.47	2.61%
20° - 30°	216.01	3.91%	100° - 120°	506.84	9.17%
30° - 40°	252.55	4.57%	120° - 130°	626.04	11.33%
40° - 50°	250.99	4.54%	130° - 140°	768.82	13.91%
50° - 60°	214.93	3.89%	140° - 150°	768.46	13.91%
60° - 70°	152.53	2.76%	150° - 160°	655.15	11.86%
70° - 80°	79.71	1.44%	160° - 170°	440.93	7.98%
80° - 90°	26.99	0.49%	170° - 180°	283.63	5.13%
0° - 90°	1,432.08	25.92%	0° - 180°	5,525.19	100.00%



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	551.99	551.99	551.99	551.99	551.99
10.00°	538.62	535.78	538.40	534.66	537.60
20.00°	502.93	504.02	503.78	500.95	497.44
30.00°	451.96	453.37	447.12	437.72	434.38
40.00°	387.59	389.90	372.03	354.95	346.99
50.00°	314.77	310.61	286.28	265.31	256.58
60.00°	235.27	226.79	197.26	173.22	165.11
70.00°	155.35	137.61	107.14	87.51	81.57
80.00°	71.31	51.29	33.09	27.72	26.79
90.00°	13.51	8.90	9.11	9.10	9.10
100.00°	156.86	84.60	43.95	49.63	50.15
110.00°	369.67	367.51	169.27	71.75	68.89
120.00°	620.83	629.91	613.77	436.17	335.62
130.00°	880.37	884.55	886.98	881.60	872.80
140.00°	1,134.05	1,135.20	1,134.46	1,130.66	1,125.47
150.00°	1,352.60	1,353.52	1,349.23	1,348.00	1,350.85
160.00°	1,527.73	1,525.12	1,518.87	1,522.96	1,526.18
170.00°	1,633.47	1,630.09	1,640.35	1,639.89	1,635.62
180.00°	1,673.47	1,673.47	1,673.47	1,673.47	1,673.47

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

	0.00°	45.00°	90.00°
0.00°	6,550	6,550	6,550
45.00°	5,232	2,099	1,592
55.00°	4,820	1,502	1,060
65.00°	4,315	950	610
75.00°	3,531	453	272
85.00°	2,363	146	94



**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%	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>	5,603	5,603	5,603	5,603	4,997	4,997	4,997	4,997	3,865	3,865	3,865	2,830	2,830	2,830	1,879	1,879	1,879	1,432
	<b>1</b>	5,110	4,881	4,676	4,492	4,549	4,361	4,191	4,037	3,386	3,274	3,170	2,491	2,421	2,357	1,665	1,628	1,593	1,216
	<b>2</b>	4,657	4,269	3,949	3,680	4,141	3,819	3,551	3,323	2,974	2,792	2,635	2,194	2,079	1,978	1,473	1,409	1,351	1,029
	<b>3</b>	4,250	3,755	3,372	3,066	3,776	3,363	3,040	2,779	2,626	2,403	2,219	1,944	1,800	1,679	1,311	1,228	1,157	881
	<b>4</b>	3,886	3,321	2,907	2,591	3,452	2,979	2,626	2,354	2,333	2,086	1,891	1,734	1,572	1,440	1,176	1,081	1,002	763
	<b>5</b>	3,564	2,954	2,529	2,214	3,167	2,654	2,289	2,017	2,086	1,827	1,628	1,556	1,384	1,249	1,062	960	877	669
	<b>6</b>	3,278	2,644	2,218	1,912	2,915	2,379	2,012	1,745	1,876	1,612	1,416	1,406	1,228	1,093	966	859	775	593
	<b>7</b>	3,026	2,379	1,961	1,667	2,692	2,144	1,782	1,524	1,697	1,434	1,242	1,278	1,098	965	884	775	692	531
	<b>8</b>	2,802	2,154	1,746	1,465	2,496	1,944	1,589	1,342	1,543	1,284	1,099	1,168	989	859	814	704	622	480
	<b>9</b>	2,604	1,960	1,565	1,298	2,323	1,772	1,427	1,192	1,412	1,158	980	1,073	897	770	753	644	563	437
	<b>10</b>	2,429	1,793	1,412	1,159	2,169	1,623	1,290	1,065	1,298	1,050	880	990	818	696	700	592	514	400

**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