



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-D3-30-80-OW

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

Test Number

IES-P00268

Test Date

Mon Oct 14 12:22:53 2019

The results contained in this report pertain only to the tested sample.
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APX-PR-4x6-D3-30-80-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:

Watts:	17.44 W
Lumens:	1,410.37 lm
Efficiency:	N/A
Efficacy:	80.45 lm/W

Spacing Criterion

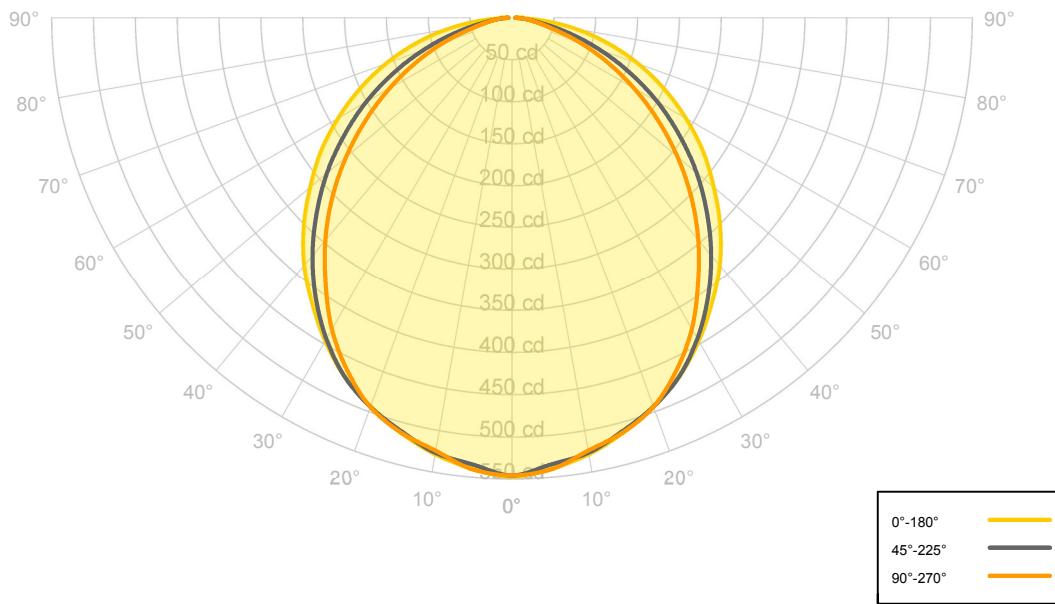
Two luminaires, plane 0°	1.21
Two luminaires, plane 90°	1.17
Four luminaires	1.31

Full Beam Angle

0° - 180°	111.29°
90° - 270°	96.6°

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°	61.28	4.35%	90° - 100°	1.12	0.08%
10° - 20°	144.29	10.23%	100° - 110°	0.00	0.00%
20° - 30°	215.90	15.31%	100° - 120°	0.00	0.00%
30° - 40°	253.11	17.95%	120° - 130°	0.00	0.00%
40° - 50°	253.30	17.96%	130° - 140°	0.00	0.00%
50° - 60°	219.00	15.53%	140° - 150°	0.00	0.00%
60° - 70°	157.88	11.19%	150° - 160°	0.00	0.00%
70° - 80°	82.62	5.86%	160° - 170°	0.00	0.00%
80° - 90°	22.98	1.63%	170° - 180°	0.00	0.00%
0° - 90°	1,410.37	100.00%	0° - 180°	1,410.37	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	547.34	547.34	547.34	547.34	547.34
5.00°	539.71	537.79	536.18	537.50	542.04
10.00°	528.77	526.99	528.12	527.63	525.50
15.00°	512.67	513.68	511.56	514.99	513.20
20.00°	493.79	494.57	494.93	494.71	495.08
25.00°	473.02	472.98	473.32	470.42	465.37
30.00°	446.29	445.85	443.44	432.97	430.26
35.00°	416.37	419.04	408.67	395.34	387.99
40.00°	386.19	385.87	370.73	354.01	346.79
45.00°	351.66	349.69	329.88	311.22	303.39
50.00°	314.57	311.22	288.36	266.64	258.35
55.00°	278.72	271.56	244.37	221.90	213.00
60.00°	239.60	229.21	200.78	176.24	168.59
65.00°	199.97	187.51	155.71	133.60	126.16
70.00°	159.95	143.44	111.98	92.53	86.28
75.00°	118.88	99.75	70.23	53.85	49.02
80.00°	77.48	56.70	33.42	28.14	28.27
85.00°	34.58	19.08	15.53	15.72	15.80
90.00°	4.63	4.09	4.11	3.90	3.93

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	6,495	6,495	6,495
45.00°	5,901	5,536	5,091
55.00°	5,766	5,055	4,407
65.00°	5,615	4,372	3,542
75.00°	5,450	3,220	2,247
85.00°	4,708	2,114	2,151



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pfc	20%	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%
	0	1,680	1,680	1,680	1,680	1,641	1,641	1,641	1,641	1,568	1,568	1,568	1,501	1,501	1,501	1,439	1,439	1,439	1,410
	1	1,541	1,476	1,418	1,366	1,503	1,444	1,391	1,343	1,384	1,341	1,301	1,329	1,294	1,261	1,278	1,250	1,223	1,194
	2	1,406	1,294	1,201	1,122	1,369	1,267	1,181	1,109	1,217	1,145	1,083	1,171	1,111	1,058	1,128	1,079	1,034	1,004
	3	1,286	1,141	1,029	940	1,251	1,119	1,015	932	1,077	988	915	1,038	963	899	1,002	938	884	853
	4	1,180	1,015	894	802	1,148	997	884	797	961	863	785	928	843	775	898	825	764	734
	5	1,088	910	786	695	1,058	895	778	691	865	762	683	837	747	676	811	732	669	639
	6	1,006	822	699	610	980	809	692	607	784	679	602	760	667	596	738	655	591	562
	7	935	748	626	541	911	736	621	539	715	611	535	694	601	531	675	592	527	500
	8	872	684	566	485	850	674	562	484	656	554	481	638	545	478	622	538	475	448
9	816	630	515	438	796	621	512	437	605	505	435	590	498	433	576	492	430	405	
10	766	582	472	399	748	575	469	398	561	464	396	548	458	395	535	453	393	369	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	15 fc	18 ft	13 ft
8 ft	9 fc	23 ft	18 ft
10 ft	5 fc	29 ft	22 ft
12 ft	4 fc	35 ft	27 ft
15 ft	2 fc	44 ft	34 ft