



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-I3-30-80-OW/MC

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

Test Number

IES-P00252

Test Date

Thu Oct 10 11:53:01 2019

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

Watts:	31.96 W
Lumens:	2,864.45 lm
Efficiency:	N/A
Efficacy:	87.76 lm/W

Spacing Criterion

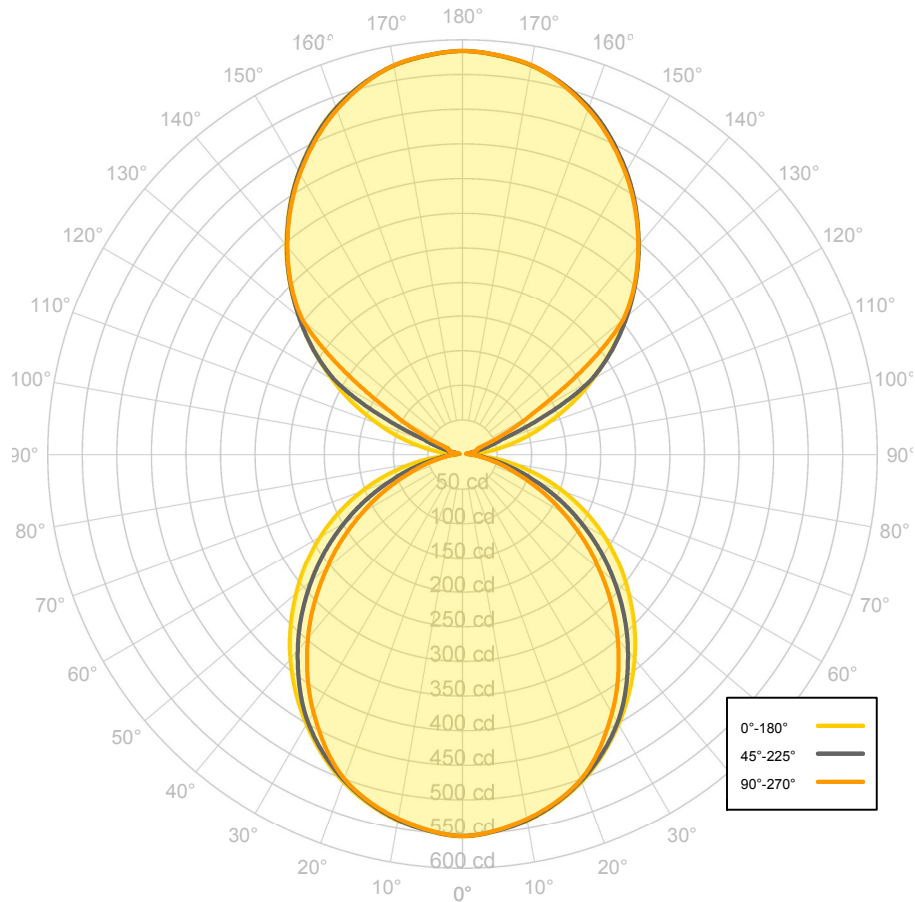
Two luminaires, plane 0°	1.2
Two luminaires, plane 90°	1.17
Four luminaires	1.3

Full Beam Angle

0° - 180°	256.49°
90° - 270°	258.67°

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°	93.63	3.27%	90° - 100°	16.28	0.57%
10° - 20°	145.53	5.08%	100° - 110°	50.47	1.76%
20° - 30°	216.38	7.55%	100° - 120°	177.23	6.19%
30° - 40°	252.63	8.82%	120° - 130°	219.05	7.65%
40° - 50°	251.05	8.76%	130° - 140°	268.97	9.39%
50° - 60°	214.95	7.50%	140° - 150°	269.05	9.39%
60° - 70°	152.40	5.32%	150° - 160°	229.47	8.01%
70° - 80°	79.66	2.78%	160° - 170°	154.39	5.39%
80° - 90°	24.68	0.86%	170° - 180°	99.10	3.46%
0° - 90°	1,430.91	49.95%	0° - 180°	2,864.45	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	553.98	553.98	553.98	553.98	553.98
10.00°	538.43	538.98	539.24	539.26	537.40
20.00°	504.20	502.98	503.46	504.37	501.65
30.00°	451.30	453.55	449.03	438.93	432.80
40.00°	387.09	388.11	372.22	354.93	349.19
50.00°	313.90	311.60	286.49	265.63	256.77
60.00°	237.31	226.63	196.04	172.74	165.09
70.00°	154.59	138.12	106.93	87.21	81.88
80.00°	71.65	51.47	32.49	27.71	27.01
90.00°	7.76	5.06	5.17	5.06	5.08
100.00°	55.32	29.69	15.25	17.29	17.70
110.00°	129.44	128.16	59.07	24.79	24.14
120.00°	217.77	220.73	215.20	152.17	117.62
130.00°	307.64	310.05	310.64	307.62	304.24
140.00°	396.36	396.94	396.37	396.29	395.53
150.00°	473.05	473.83	473.36	473.15	470.67
160.00°	534.70	533.86	534.02	533.59	531.44
170.00°	571.12	574.16	571.63	572.62	571.91
180.00°	583.72	583.72	583.72	583.72	583.72

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	6,574	6,574	6,574
45.00°	5,222	2,100	1,598
55.00°	4,830	1,498	1,060
65.00°	4,329	945	611
75.00°	3,525	451	273
85.00°	2,212	130	84



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pf_c	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	pc_c	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	3,069	3,069	3,069	3,069	2,831	2,831	2,831	2,831	2,386	2,386	2,386	1,980	1,980	1,980	1,606	1,606	1,606	1,431
	1	2,807	2,685	2,575	2,477	2,585	2,481	2,388	2,303	2,101	2,033	1,971	1,751	1,704	1,660	1,429	1,397	1,368	1,217
	2	2,561	2,353	2,181	2,036	2,356	2,178	2,029	1,902	1,849	1,739	1,644	1,546	1,467	1,398	1,266	1,211	1,163	1,030
	3	2,341	2,075	1,869	1,704	2,153	1,923	1,743	1,598	1,638	1,502	1,391	1,374	1,274	1,191	1,128	1,058	998	882
	4	2,146	1,842	1,619	1,449	1,973	1,710	1,514	1,362	1,461	1,311	1,192	1,229	1,118	1,028	1,014	934	867	764
	5	1,973	1,646	1,417	1,248	1,815	1,530	1,327	1,176	1,312	1,155	1,035	1,108	990	897	919	832	762	670
	6	1,821	1,480	1,251	1,087	1,676	1,379	1,175	1,027	1,186	1,027	908	1,006	884	791	838	747	676	594
	7	1,686	1,339	1,114	957	1,554	1,250	1,048	905	1,079	920	804	919	796	704	769	677	606	532
	8	1,567	1,219	1,000	850	1,446	1,139	943	806	987	830	718	844	722	632	710	617	547	481
9	1,462	1,116	904	761	1,350	1,045	854	723	908	755	647	780	659	572	659	566	498	438	
10	1,368	1,027	823	687	1,265	963	778	653	840	690	587	724	605	522	614	523	457	401	

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