



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-D10-I7-30-80-OW/MC

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

Test Number

IES-P00266

Test Date

Fri Oct 11 13:10:14 2019

The results contained in this report pertain only to the tested sample.
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APX-PR-4x6-D10-I7-30-80-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:	79.19 W
Lumens:	7,163.89 lm
Efficiency:	N/A
Efficacy:	88.59 lm/W

Spacing Criterion

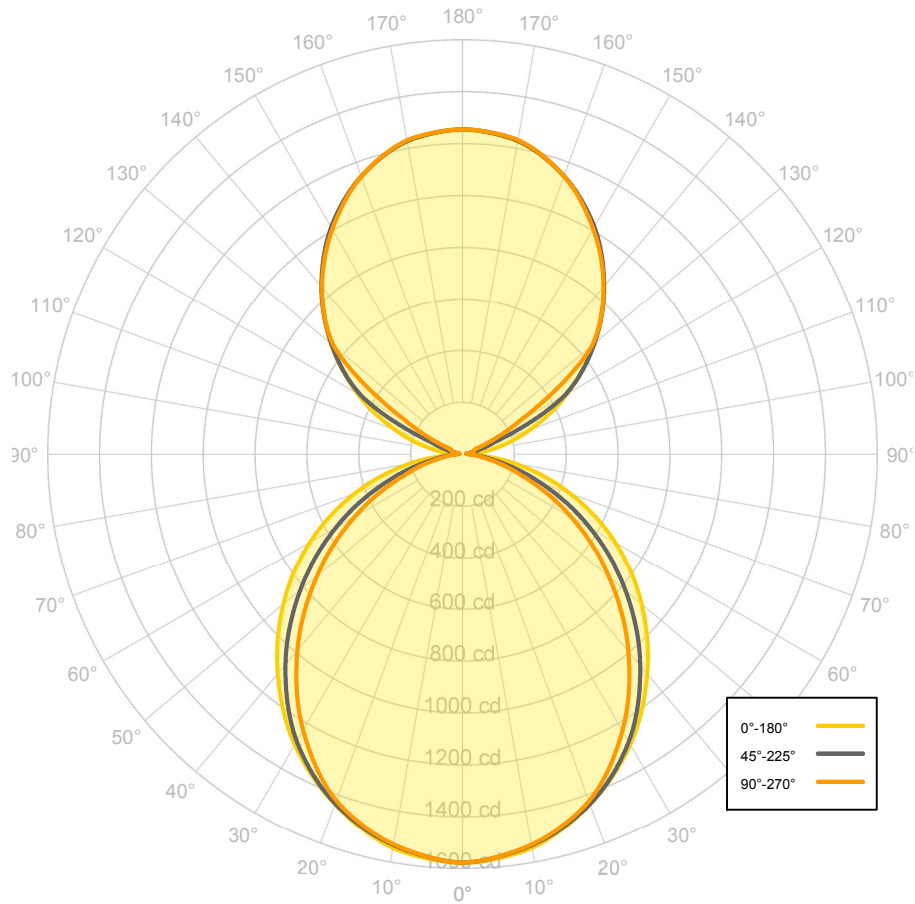
Two luminaires, plane 0°	1.21
Two luminaires, plane 90°	1.17
Four luminaires	1.31

Full Beam Angle

0° - 180°	273.8°
90° - 270°	274.13°

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°	267.04	3.73%	90° - 100°	36.19	0.51%
10° - 20°	415.37	5.80%	100° - 110°	108.22	1.51%
20° - 30°	617.85	8.62%	100° - 120°	379.78	5.30%
30° - 40°	721.97	10.08%	120° - 130°	469.45	6.55%
40° - 50°	717.95	10.02%	130° - 140°	576.29	8.04%
50° - 60°	615.59	8.59%	140° - 150°	576.09	8.04%
60° - 70°	437.27	6.10%	150° - 160°	491.35	6.86%
70° - 80°	228.67	3.19%	160° - 170°	330.62	4.62%
80° - 90°	69.93	0.98%	170° - 180°	212.49	2.97%
0° - 90°	4,091.62	57.11%	0° - 180°	7,163.89	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	1,579.36	1,579.36	1,579.36	1,579.36	1,579.36
10.00°	1,544.96	1,539.53	1,535.98	1,535.57	1,532.82
20.00°	1,438.13	1,439.07	1,439.91	1,436.57	1,427.70
30.00°	1,294.43	1,293.19	1,283.48	1,252.81	1,234.20
40.00°	1,107.98	1,109.41	1,066.27	1,014.78	994.86
50.00°	901.04	889.33	820.09	758.53	735.89
60.00°	679.64	646.27	562.50	497.91	477.19
70.00°	441.59	394.27	307.66	252.28	235.96
80.00°	205.08	147.76	94.74	79.30	76.01
90.00°	20.07	12.91	13.09	13.07	12.69
100.00°	118.73	63.43	33.22	36.89	38.46
110.00°	275.80	275.13	126.37	53.78	51.37
120.00°	467.39	473.04	459.29	326.62	252.70
130.00°	660.96	664.82	663.91	660.04	653.54
140.00°	847.54	851.62	849.14	847.66	846.30
150.00°	1,011.07	1,016.59	1,014.72	1,011.31	1,005.73
160.00°	1,143.46	1,143.33	1,142.33	1,142.94	1,142.10
170.00°	1,227.34	1,221.09	1,227.82	1,225.57	1,230.58
180.00°	1,253.64	1,253.64	1,253.64	1,253.64	1,253.64

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	18,741	18,741	18,741
45.00°	14,966	6,013	4,564
55.00°	13,852	4,294	3,049
65.00°	12,386	2,715	1,763
75.00°	10,075	1,301	782
85.00°	6,272	373	233



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

	pf_c	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%
RCR	0	7,797	7,797	7,797	7,797	7,258	7,258	7,258	7,258	6,253	6,253	6,253	5,333	5,333	5,333	4,489	4,489	4,489	4,092
	1	7,136	6,828	6,553	6,304	6,634	6,369	6,131	5,915	5,510	5,335	5,174	4,721	4,595	4,478	3,993	3,906	3,824	3,479
	2	6,514	5,988	5,552	5,187	6,049	5,593	5,213	4,890	4,853	4,566	4,318	4,170	3,958	3,772	3,538	3,386	3,250	2,946
	3	5,957	5,283	4,761	4,346	5,528	4,942	4,482	4,112	4,300	3,947	3,656	3,706	3,440	3,216	3,155	2,959	2,791	2,520
	4	5,463	4,694	4,130	3,699	5,070	4,397	3,897	3,510	3,838	3,448	3,138	3,319	3,020	2,777	2,836	2,612	2,426	2,183
	5	5,028	4,199	3,620	3,192	4,668	3,940	3,423	3,036	3,451	3,041	2,728	2,995	2,676	2,427	2,569	2,327	2,132	1,914
	6	4,643	3,781	3,203	2,787	4,314	3,554	3,034	2,656	3,123	2,707	2,397	2,721	2,393	2,143	2,344	2,091	1,894	1,697
	7	4,304	3,427	2,858	2,459	4,003	3,226	2,713	2,348	2,845	2,430	2,128	2,487	2,157	1,911	2,152	1,895	1,698	1,519
	8	4,004	3,124	2,570	2,190	3,728	2,946	2,444	2,095	2,606	2,197	1,905	2,287	1,959	1,719	1,987	1,729	1,535	1,372
	9	3,738	2,864	2,328	1,967	3,485	2,705	2,217	1,884	2,401	2,001	1,720	2,115	1,791	1,558	1,845	1,587	1,398	1,250
	10	3,502	2,639	2,123	1,780	3,269	2,496	2,025	1,707	2,223	1,833	1,564	1,965	1,647	1,422	1,721	1,466	1,282	1,146

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	44 fc	0 ft	0 ft
8 ft	25 fc	0 ft	0 ft
10 ft	16 fc	0 ft	0 ft
12 ft	11 fc	0 ft	0 ft
15 ft	7 fc	0 ft	0 ft