

# Photometric Report

CATALOG NUMBER: AR606-4-X-LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR606-4-LP-T8 LTL#100239.IES

IESNA:LM-63-2002  
 [TEST] LTL100239  
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING  
 [LUMCAT] AR606-4-X-LP-X-X-T8  
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM  
 [MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM  
 [MORE] REFLECTORS WITH LINEAR PRISMATIC ACRYLIC LENS  
 [LAMP] TWO PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

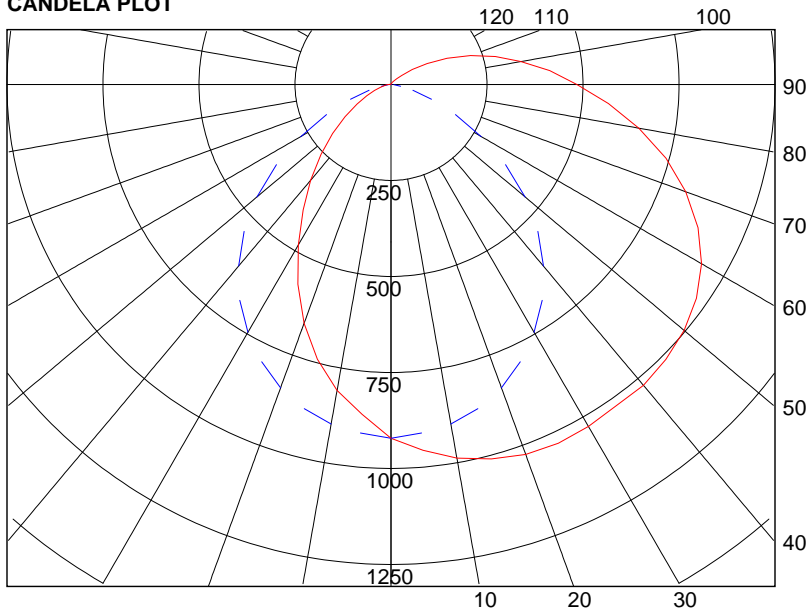
## SUMMARY DATA

EFFICIENCY (Total): 52.1 %  
 EFFICIENCY (Downlight): 47.8 %  
 EFFICIENCY (Uplight): 4.4 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (90-Deg.): 1.21  
 LUMENS/LAMP: 2950  
 NO. OF LAMPS: 2  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.50 (Feet)  
     Length: 4.00  
     Height: 0.25  
 INPUT WATTS: 64

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	706.5	12.0	23.0
0 - 40	1146.7	19.4	37.3
0 - 60	2024.7	34.3	65.8
60 - 90	792.9	13.4	25.8
0 - 90	2817.6	47.8	91.6
90 - 180	258.5	4.4	8.4
0 - 180	3076.2	52.1	100.0

## CANDELA PLOT



Bilaterally Symmetric  
 Solid: 180-0 Degrees    Dashed: 90-270 Degrees

## AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
0	4960	4960	4960	4960	4960	4960	4960	4960	4960
45	7252	5866	4544	3521	2747	2183	1872	1769	1845
55	8366	6281	4461	2988	1994	1499	1289	1199	1259
65	9907	6701	4325	2360	1140	923	843	746	778
75	12506	7125	4029	1606	428	464	486	424	490
85	20476	7997	3848	1068	69	150	240	241	371

## COEFFICIENT OF UTILIZATION TABLE

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50				30				10				0									
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																														
0	.61	.61	.61	.61	.59	.59	.59	.59	.55	.55	.55	.52	.52	.52	.49	.49	.49	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48
1	.55	.52	.49	.47	.53	.50	.48	.46	.47	.45	.43	.44	.43	.41	.42	.40	.39	.42	.40	.39	.42	.40	.39	.42	.40	.39	.42	.40	.39	.42
2	.49	.45	.41	.38	.48	.43	.40	.37	.41	.38	.35	.38	.36	.34	.36	.34	.32	.38	.36	.34	.36	.34	.32	.38	.36	.34	.36	.34	.32	.38
3	.45	.39	.35	.31	.43	.38	.34	.30	.36	.32	.29	.34	.31	.28	.32	.29	.27	.32	.29	.27	.32	.29	.27	.32	.29	.27	.32	.29	.27	.32
4	.41	.34	.30	.26	.39	.33	.29	.26	.32	.28	.25	.30	.27	.24	.28	.25	.23	.28	.25	.23	.28	.25	.23	.28	.25	.23	.28	.25	.23	.28
5	.38	.31	.26	.22	.36	.30	.25	.22	.28	.24	.21	.27	.23	.21	.25	.22	.20	.25	.22	.20	.25	.22	.20	.25	.22	.20	.25	.22	.20	.25
6	.35	.28	.23	.19	.33	.27	.22	.19	.26	.22	.19	.24	.21	.18	.23	.20	.18	.23	.20	.18	.23	.20	.18	.23	.20	.18	.23	.20	.18	.23
7	.32	.25	.20	.17	.31	.24	.20	.17	.23	.19	.16	.22	.19	.16	.21	.18	.16	.21	.18	.16	.21	.18	.16	.21	.18	.16	.21	.18	.16	.21
8	.30	.23	.18	.15	.29	.22	.18	.15	.21	.17	.15	.20	.17	.14	.19	.16	.14	.19	.16	.14	.19	.16	.14	.19	.16	.14	.19	.16	.14	.19
9	.28	.21	.17	.14	.27	.20	.16	.14	.20	.16	.13	.19	.15	.13	.18	.15	.13	.18	.15	.13	.18	.15	.13	.18	.15	.13	.18	.15	.13	.18
10	.26	.19	.15	.12	.25	.19	.15	.12	.18	.14	.12	.17	.14	.12	.17	.14	.11	.17	.14	.11	.17	.14	.11	.17	.14	.11	.17	.14	.11	.17

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.

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## CANDELA TABLE

Vertical Angle	Horizontal Angles								
	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>	<u>112.5</u>	<u>135</u>	<u>157.5</u>	<u>180</u>
0	922	922	922	922	922	922	922	922	922
5	956	961	951	935	911	900	888	879	863
10	988	985	967	938	898	872	845	827	809
15	1010	1002	974	932	874	831	794	767	741
20	1025	1012	971	915	841	784	730	695	662
25	1031	1012	961	887	797	727	660	614	574
30	1028	1003	941	849	745	662	582	524	482
35	1022	988	913	804	686	590	502	439	399
40	1023	978	874	750	617	509	418	361	325
45	1012	963	834	687	541	426	344	290	258
50	996	939	795	617	456	347	277	230	199
55	971	907	745	539	364	271	215	173	146
60	934	865	693	462	272	205	166	127	102
65	882	807	629	378	185	148	123	90	69
70	817	740	559	293	112	100	87	62	46
75	742	661	481	217	59	63	58	39	29
80	656	579	406	156	25	34	37	25	18
85	568	498	346	113	7	16	22	15	10
90	484	423	290	85	2	6	10	8	7
95	415	357	242	66	0	3	5	5	4
100	343	294	195	52	0	1	3	3	2
105	281	238	152	39	0	0	1	1	2
110	220	184	115	29	0	0	0	0	1
115	161	132	80	19	0	0	0	0	1
120	109	86	52	12	0	0	0	0	0
125	67	52	31	7	0	0	0	0	0
130	37	29	17	4	0	0	0	0	0
135	22	18	10	3	0	0	0	0	0
140	13	11	7	2	0	0	0	0	0
145	8	7	5	0	0	0	0	0	0
150	7	6	4	0	0	0	0	0	0
155	3	3	3	0	0	0	0	0	0
160	2	2	1	0	0	0	0	0	0
165	1	1	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

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