

Photometric Report

CATALOG NUMBER: AR610-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR610-4-LP-LP-T8 LTL#100523.IES

IESNA:LM-63-2002
[TEST] LTL00523
[MANUFAC] PRECISION ARCHITECTURAL LIGHTING
[LUMCAT] AR610-4-X-LP/LP-X-X-T8
[LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
[MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
[MORE] REFLECTOR WITH LINEAR PRISMATIC ACRYLIC LENS UP AND
[MORE] LINEAR PRISMATIC ACRYLIC LENS DOWN
[LAMP] TWO PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

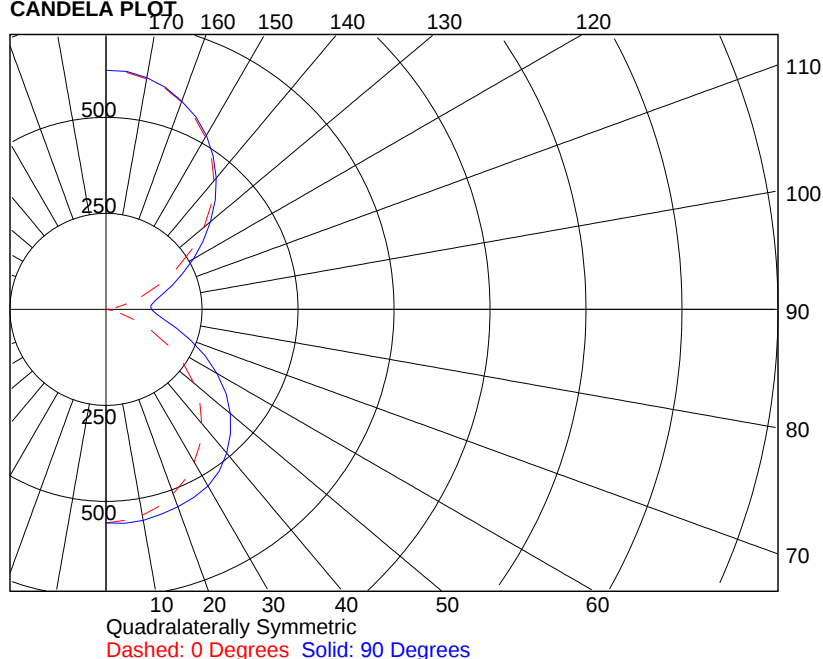
SUMMARY DATA

EFFICIENCY (Total): 60.4 %
EFFICIENCY (Downlight): 30.6 %
EFFICIENCY (Uplight): 29.8 %
CIE CLASSIFICATION: GENERAL DIFFUSE
SPACING CRITERION (0-Deg.): 1.23
SPACING CRITERION (90-Deg.): 1.42
LUMENS/LAMP: 2950
NO. OF LAMPS: 2
LUMINOUS OPENING: RECTANGULAR
Width: 0.50 (Feet)
Length: 4.00
Height: 0.20
INPUT WATTS: 62

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	444.6	7.5	12.5
0 - 40	740.6	12.6	20.8
0 - 60	1340.2	22.7	37.6
60 - 90	465.5	7.9	13.1
0 - 90	1805.7	30.6	50.7
90 - 180	1758.7	29.8	49.3
0 - 180	3564.4	60.4	100.0

CANDELA PLOT



AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	2994	2994	2994	2994	2994
45	2505	2354	2379	2443	2490
55	2149	1991	2109	2232	2282
65	1497	1496	1836	1925	1952
75	689	1050	1531	1573	1586
85	184	794	1409	1445	1453

COEFFICIENT OF UTILIZATION TABLE

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50				30				10				0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	.65	.65	.65	.65	.60	.60	.60	.60	.51	.51	.51	.42	.42	.42	.34	.34	.34	.31	.31	.31	.31
1	.59	.56	.53	.51	.54	.51	.49	.47	.43	.42	.40	.36	.35	.34	.29	.29	.28	.25	.25	.25	.25
2	.53	.48	.44	.41	.49	.45	.41	.38	.38	.35	.33	.31	.30	.28	.26	.24	.23	.20	.20	.20	.20
3	.48	.42	.38	.34	.44	.39	.35	.32	.33	.30	.27	.28	.25	.23	.22	.21	.19	.17	.17	.17	.17
4	.44	.37	.32	.29	.40	.35	.30	.27	.29	.26	.23	.24	.22	.20	.20	.18	.17	.14	.14	.14	.14
5	.40	.33	.28	.24	.37	.31	.26	.23	.26	.23	.20	.22	.19	.17	.18	.16	.14	.12	.12	.12	.12
6	.37	.30	.25	.21	.34	.28	.23	.20	.24	.20	.17	.20	.17	.15	.16	.14	.12	.11	.11	.11	.11
7	.34	.27	.22	.18	.32	.25	.20	.17	.21	.18	.15	.18	.15	.13	.15	.13	.11	.09	.09	.09	.09
8	.32	.24	.19	.16	.29	.23	.18	.15	.19	.16	.13	.16	.14	.12	.13	.11	.10	.08	.08	.08	.08
9	.30	.22	.17	.14	.27	.21	.16	.14	.18	.14	.12	.15	.12	.10	.12	.10	.09	.07	.07	.07	.07
10	.28	.20	.16	.13	.25	.19	.15	.12	.16	.13	.11	.14	.11	.09	.12	.09	.08	.07	.07	.07	.07

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

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CANDELA TABLE

Vertical	Horizontal Angles				
Angle	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	556	556	556	556	556
5	552	555	556	558	559
10	544	549	553	556	558
15	531	538	545	551	553
20	511	522	532	542	547
25	488	502	517	534	540
30	459	475	499	523	531
35	427	446	477	504	514
40	388	411	448	477	489
45	346	371	412	446	458
50	299	324	371	410	422
55	245	273	327	370	382
60	187	219	284	323	333
65	130	168	243	277	285
70	77	123	199	231	234
75	39	88	161	185	190
80	17	61	128	151	155
85	5	42	106	127	131
90	1	34	95	115	118
95	8	39	96	114	117
100	26	57	107	125	129
105	55	89	131	149	152
110	98	129	164	188	184
115	153	176	203	215	220
120	212	229	249	258	263
125	274	282	297	306	308
130	333	335	347	353	355
135	388	387	394	401	403
140	437	435	440	445	447
145	479	479	481	486	487
150	518	518	517	522	523
155	549	550	548	552	553
160	575	577	575	577	577
165	596	597	596	597	598
170	610	612	611	613	612
175	619	620	620	622	622
180	<u>623</u>	<u>623</u>	<u>623</u>	<u>623</u>	<u>623</u>

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