

Photometric Report

CATALOG NUMBER: AR613-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR613-4-LP-LP-T8 LTL#100528.IES

IESNA:LM-63-2002
[TEST] LTL100528
[MANUFAC] PRECISION ARCHITECTURAL LIGHTING
[LUMCAT] AR613-4-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

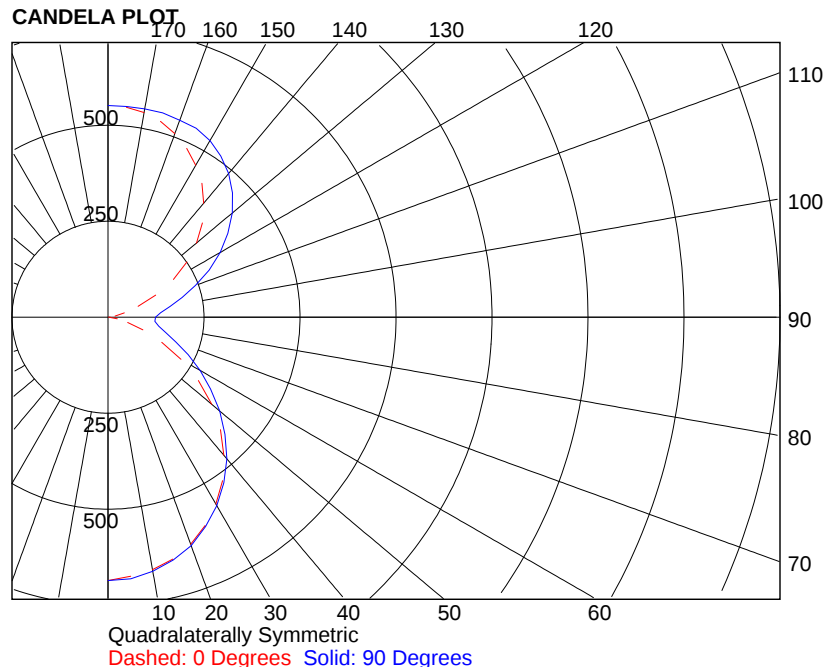
SUMMARY DATA

EFFICIENCY (Total): 62.8 %
EFFICIENCY (Downlight): 31.8 %
EFFICIENCY (Uplight): 31.0 %
CIE CLASSIFICATION: GENERAL DIFFUSE
SPACING CRITERION (0-Deg.): 1.22
SPACING CRITERION (90-Deg.): 1.23
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	524.9	8.9	14.2
0 - 40	850.5	14.4	23.0
0 - 60	1453.2	24.6	39.2
60 - 90	424.0	7.2	11.4
0 - 90	1877.3	31.8	50.7
90 - 180	1826.5	31.0	49.3
0 - 180	3703.8	62.8	100.0

CANDELA PLOT



AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	3689	3689	3689	3689	3689
45	3001	2627	2439	2356	2342
55	2518	2168	2030	1961	1946
65	1777	1621	1602	1574	1579
75	935	1061	1273	1295	1305
85	258	741	1334	1360	1360

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	0
RCR																		
0	.67	.67	.67	.67	.62	.62	.62	.62	.53	.53	.53	.44	.44	.44	.36	.36	.36	.32
1	.61	.58	.56	.53	.56	.54	.52	.50	.46	.44	.42	.38	.37	.36	.31	.30	.29	.26
2	.56	.51	.47	.43	.51	.47	.43	.41	.40	.37	.35	.33	.31	.30	.27	.26	.25	.22
3	.51	.45	.40	.36	.47	.41	.37	.34	.35	.32	.29	.29	.27	.25	.24	.22	.21	.18
4	.46	.39	.34	.31	.43	.37	.32	.29	.31	.28	.25	.26	.24	.21	.21	.20	.18	.16
5	.43	.35	.30	.26	.39	.33	.28	.25	.28	.24	.22	.23	.21	.19	.19	.17	.16	.14
6	.39	.32	.26	.23	.36	.29	.25	.21	.25	.22	.19	.21	.18	.16	.18	.15	.14	.12
7	.36	.28	.23	.20	.33	.27	.22	.19	.23	.19	.17	.19	.16	.14	.16	.14	.12	.11
8	.34	.26	.21	.18	.31	.24	.20	.17	.21	.17	.15	.18	.15	.13	.15	.13	.11	.09
9	.31	.24	.19	.16	.29	.22	.18	.15	.19	.16	.13	.16	.13	.12	.14	.11	.10	.09
10	.29	.22	.17	.14	.27	.20	.16	.13	.18	.14	.12	.15	.12	.10	.13	.11	.09	.08

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>
0	686	686	686	686	686
5	677	682	682	682	684
10	668	672	671	671	671
15	652	656	655	655	655
20	629	631	630	631	633
25	598	600	597	600	601
30	562	563	563	566	567
35	520	520	520	524	526
40	469	469	473	479	481
45	414	414	422	430	431
50	353	356	369	376	379
55	288	297	315	325	326
60	219	238	261	273	277
65	155	182	212	227	230
70	96	132	169	185	188
75	53	89	134	153	156
80	24	58	111	130	134
85	7	39	100	120	123
90	1	36	100	122	124
95	6	46	113	136	138
100	19	65	136	160	165
105	44	93	168	194	199
110	83	128	205	237	243
115	137	171	243	283	290
120	197	226	284	326	337
125	251	280	330	370	381
130	301	332	374	409	422
135	347	376	416	447	458
140	388	415	451	479	489
145	426	446	479	504	512
150	457	473	502	524	531
155	485	495	516	536	543
160	509	515	528	541	546
165	528	532	538	548	551
170	541	542	546	550	551
175	549	549	550	551	551
180	552	552	552	552	552

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