

# Photometric Report

CATALOG NUMBER: AR617-4-LP/LP-120-2-ELB

Monday, December 03, 2012

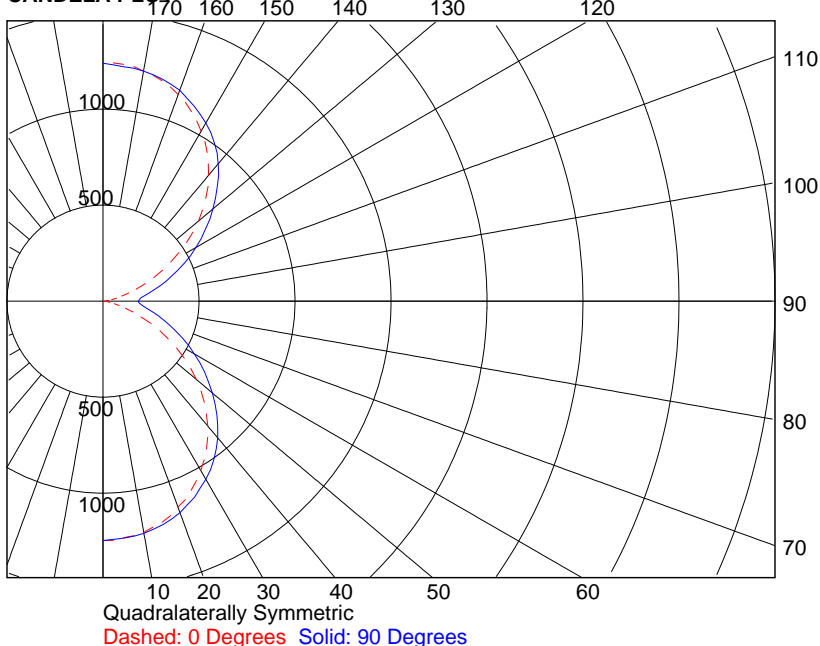
FILENAME: AR617-4-LP-LP LTL#103716.IES

IESNA:LM-63-2002  
 [TEST] LTL103716  
 [TESTLAB] LUMINAIRE TESTING LABORATORY  
 [ISSUE DATE] 01/19/2011  
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING  
 [LUMCAT] AR617-4-LP/LP-120-2-ELB  
 [LUMINAIRE] LINEAR EXTRUDED ALUMINUM HOUSING  
 [MORE] WITH WHITE ENAMEL REFLECTORS, AND EXTRUDED  
 [MORE] CLEAR ACRYLIC PRISMATIC LENS ABOVE AND  
 [MORE] BELOW  
 [LAMP] FOUR 32 WATT T8  
 [LAMP CAT] FO32/830/ECO OSRAM SYLVANIA  
 [BALLAST] ONE ADVANCE REL-4P32-RH-TP

**SUMMARY DATA**

EFFICIENCY (Total): 59.9 %  
 EFFICIENCY (Downlight): 29.8 %  
 EFFICIENCY (Uplight): 30.2 %  
 CIE CLASSIFICATION: GENERAL DIFFUSE  
 SPACING CRITERION (0-Deg.): 1.22  
 SPACING CRITERION (90-Deg.): 1.28  
 LUMENS/LAMP: 2950  
 NO. OF LAMPS: 4  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.33 (Feet)  
     Length: 4.00  
     Height: 0.00  
 INPUT WATTS: 106.7

**CANDELA PLOT**



**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Luminaire
0 - 30	964.3	8.2	13.6
0 - 40	1573.9	13.3	22.2
0 - 60	2723.8	23.1	38.5
60 - 90	788.6	6.7	11.1
0 - 90	3512.4	29.8	49.7
90 - 180	3561.1	30.2	50.3
0 - 180	7073.5	59.9	100.0

**AVERAGE LUMINANCE**

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	10163	10163	10163	10163	10163
45	8595	8869	9358	9585	9669
55	7343	7858	8682	9065	9197
65	5333	6571	8069	8708	8848
75	2739	5316	8153	9262	9457
85	775	6876	15979	18497	18594

**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	0
RCR																		
0	.64	.64	.64	.64	.59	.59	.59	.59	.50	.50	.50	.41	.41	.41	.33	.33	.33	.30
1	.58	.56	.53	.51	.54	.51	.49	.47	.43	.42	.40	.36	.35	.34	.29	.28	.28	.24
2	.53	.48	.45	.41	.49	.45	.41	.39	.38	.35	.33	.31	.30	.28	.25	.24	.23	.20
3	.48	.42	.38	.34	.44	.39	.35	.32	.33	.30	.28	.28	.25	.24	.23	.21	.20	.17
4	.44	.38	.33	.29	.40	.35	.31	.27	.30	.26	.24	.25	.22	.20	.20	.18	.17	.15
5	.41	.33	.29	.25	.37	.31	.27	.23	.26	.23	.20	.22	.20	.17	.18	.16	.15	.13
6	.37	.30	.25	.22	.34	.28	.23	.20	.24	.20	.18	.20	.17	.15	.16	.14	.13	.11
7	.34	.27	.22	.19	.32	.25	.21	.18	.22	.18	.16	.18	.15	.14	.15	.13	.11	.10
8	.32	.25	.20	.17	.29	.23	.19	.16	.20	.16	.14	.17	.14	.12	.14	.12	.10	.09
9	.30	.22	.18	.15	.27	.21	.17	.14	.18	.15	.12	.15	.13	.11	.13	.11	.09	.08
10	.28	.21	.16	.13	.26	.19	.15	.13	.17	.13	.11	.14	.12	.10	.12	.10	.08	.07

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	1246	1246	1246	1246	1246
2.5	1247	1242	1245	1238	1242
5	1237	1239	1241	1233	1239
7.5	1232	1229	1229	1230	1235
10	1222	1219	1227	1220	1228
12.5	1205	1203	1212	1210	1216
15	1191	1188	1197	1196	1205
17.5	1171	1168	1180	1182	1190
20	1142	1149	1159	1164	1172
22.5	1119	1122	1137	1143	1148
25	1087	1089	1111	1117	1127
27.5	1054	1059	1084	1091	1096
30	1019	1027	1053	1062	1071
32.5	980	989	1017	1031	1041
35	940	948	982	1000	1007
37.5	895	908	943	962	969
40	849	862	903	921	930
42.5	797	818	859	878	884
45	745	769	812	831	838
47.5	694	716	764	784	791
50	632	665	715	736	742
52.5	577	611	663	687	694
55	517	553	611	638	647
57.5	454	498	561	589	599
60	392	443	510	541	549
62.5	334	390	461	496	504
65	276	341	418	451	459
67.5	215	290	372	406	413
70	167	245	332	367	373
72.5	122	205	291	328	334
75	87	169	259	294	300
77.5	60	136	232	264	267
80	36	108	205	235	237
82.5	22	89	184	214	214
85	8	73	171	198	199
87.5	3	65	160	187	187
90	2	63	157	182	183
92.5	7	68	166	188	189
95	14	80	174	200	198
97.5	31	98	194	218	218
100	46	117	214	241	244
102.5	72	146	240	270	272
105	101	181	269	304	307
107.5	141	220	306	341	345
110	183	259	343	377	381
112.5	238	305	386	417	422
115	292	354	430	460	468
117.5	350	406	474	507	513
120	408	459	523	551	558
122.5	469	512	572	597	607
125	531	567	622	645	650
127.5	590	623	676	696	701
130	649	678	727	744	747
132.5	703	730	775	791	795
135	757	780	823	839	842
137.5	810	829	869	887	891
140	856	872	910	928	934
142.5	901	915	948	968	975
145	945	955	986	1005	1009
147.5	987	994	1023	1037	1043
150	1023	1030	1057	1065	1071
152.5	1058	1063	1086	1094	1096
155	1089	1091	1114	1119	1122
157.5	1121	1119	1138	1140	1144
160	1145	1146	1160	1161	1169
162.5	1170	1169	1178	1179	1183
165	1189	1183	1194	1197	1197

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167.5	1205	1201	1210	1208	1208
170	1217	1214	1220	1218	1216
172.5	1232	1223	1230	1223	1223
175	1238	1232	1235	1228	1226
177.5	1242	1236	1239	1232	1232
180	1239	1239	1239	1239	1239