

Photometric Report

CATALOG NUMBER: EAWUS-EC-70W

Monday, October 12, 2009

FILENAME: EAWUS-EC-70W.IES

EAWUS-EC-70W
IESNA:LM-63-1995
[TEST]ITL48610
[MANUFAC]FULL SPECTRUM SOLUTIONS, INC.
[LUMCAT]EAWUS-EC-70W
[LUMINAIRE]70w EverLast Acorn Walkway
[MORE]ACRYLIC PRISMATIC REFRACTOR WITH FORMED PERFORATED SEMI-
[MORE]SPECULAR METAL UPPER REFLECTOR, CLEAR MOLDED ACRYLIC LINEAR
[MORE]PRISMATIC DECORATIVE TOP.

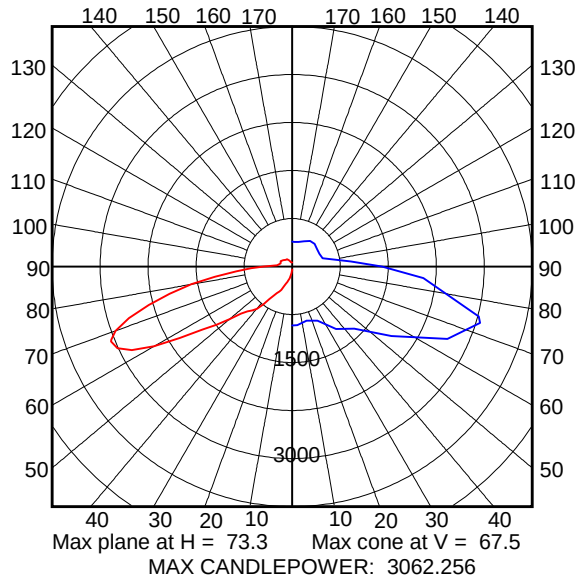
SUMMARY DATA

EFFICIENCY (Total): 81.2 %
EFFICIENCY (Down / Up): 66.6 % / 14.6 %
EFFICIENCY (Street / House): 54.0 % / 27.1 %
ROADWAY CLASSIFICATION: TYPE III, MEDIUM
CUTOFF CLASSIFICATION: NONCUTOFF
LUMENS/LAMP: 5900
NO. OF LAMPS: 1
LUMINOUS OPENING: VERTICAL CYLINDER
Diameter: 1.32 (Feet)
Height: 1.86
INPUT WATTS: 75

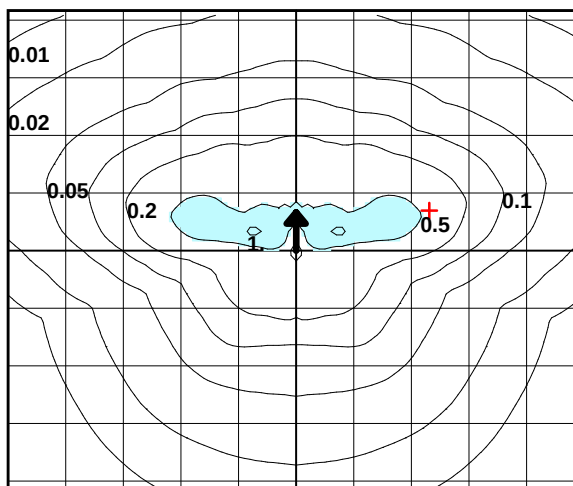
LUMINAIRE CLASSIFICATION SYSTEM (BUG RATING = B2-U4-G2)

FORWARD LIGHT		Lumens (% of Lamp Lumens)	
FL (0-30):	119	(2.0%)	
FM (30-60):	854	(14.5%)	
FH (60-80):	1450	(24.6%)	
FVH(80-90):	326	(5.5%)	
BACKLIGHT			
BL (0-30):	67	(1.1%)	
BM (30-60):	400	(6.8%)	
BH (60-80):	507	(8.6%)	
BVH(80-90):	208	(3.5%)	
UPLIGHT			
UL (90-100):	258	(4.4%)	
UH (100-180):	600	(10.2%)	
TRAPPED LIGHT:	1111	(18.8%)	

PLANE & CONE DIAGRAM



ISO-ILLUMINANCE DIAGRAM (fc)



Mounting Height	Multiplier
10	4.000
15	1.778
20	1.000
25	0.640
30	0.444
35	0.327
40	0.250
45	0.198
50	0.160

Shade Limit:
0.5 fc.

Shaded Area:
1116 sq.ft.

+ = Point of max candela

Mounting Height = 20 Feet. Each box represents one mounting height.

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

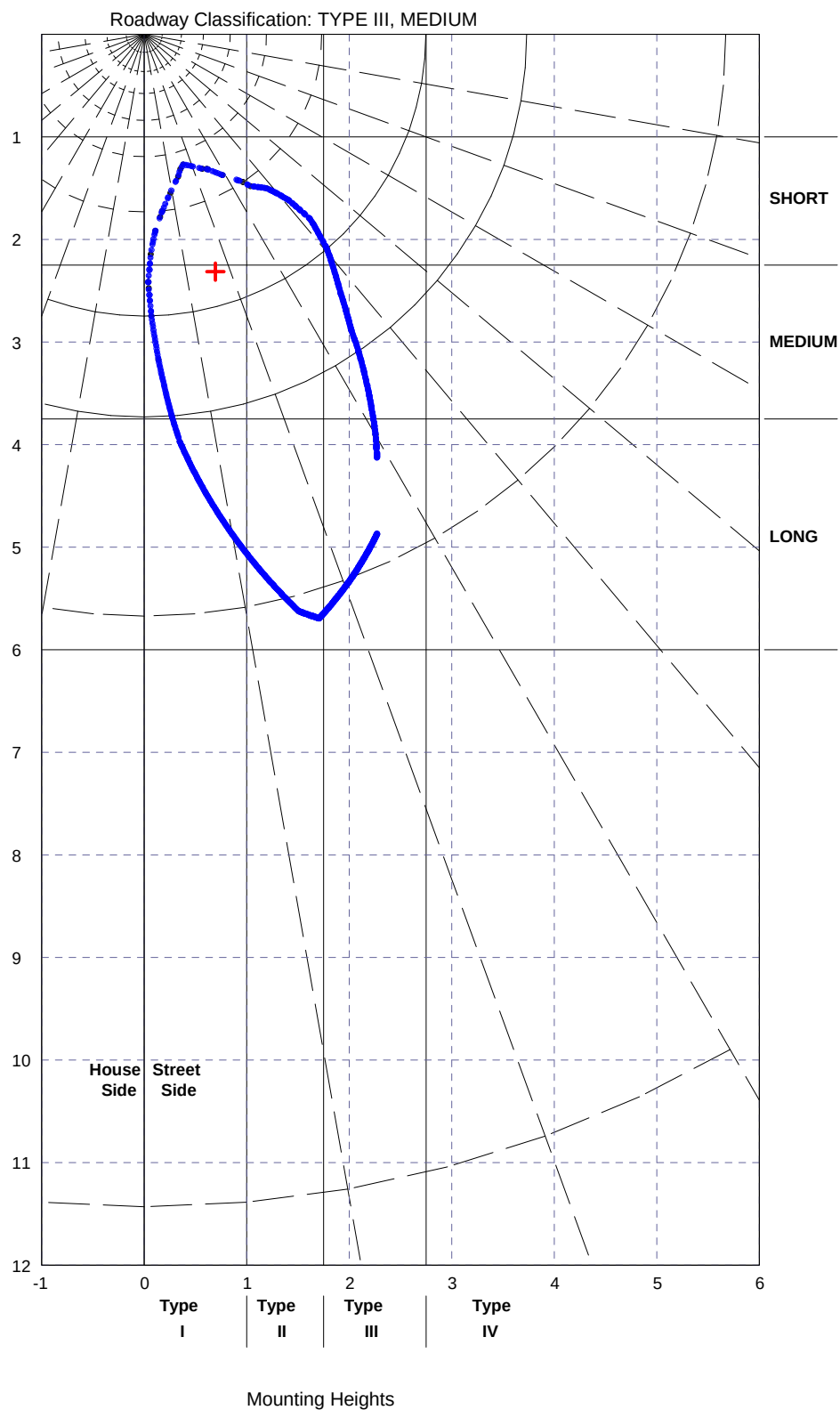
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CANDELA TABLE

Vertical Angle	Horizontal Angles											
	0	5	15	25	35	45	55	65	73.3	75	85	90
0	45	45	45	45	45	45	45	45	45	45	45	45
2.5	64	61	64	57	57	54	57	57	61	64	61	61
5	70	70	70	74	74	74	74	74	74	74	77	77
7.5	90	84	90	87	90	97	97	97	100	100	96	100
10	122	122	141	129	141	148	154	151	148	151	138	138
12.5	147	147	173	161	186	199	206	199	193	193	170	167
15	160	160	192	192	211	231	241	231	222	218	195	189
17.5	173	173	211	205	241	267	283	270	253	247	215	201
20	186	186	231	225	274	316	335	315	286	276	234	214
22.5	212	219	277	257	332	390	416	384	335	322	257	234
25	257	257	327	295	398	468	508	476	405	382	282	250
27.5	282	275	339	307	412	496	568	527	439	413	290	255
30	301	288	351	313	428	525	612	588	478	446	291	255
32.5	328	312	365	330	452	547	643	659	538	495	307	266
35	380	354	398	363	494	580	683	751	626	565	331	283
37.5	423	392	429	401	531	621	743	880	743	675	383	325
40	447	422	446	428	555	639	777	998	858	778	420	359
42.5	453	424	446	427	547	618	746	1052	929	847	452	385
45	467	439	454	442	553	595	689	1053	990	912	481	417
47.5	507	488	487	481	590	621	666	1068	1087	1027	539	464
50	558	539	532	529	645	681	711	1173	1274	1210	631	524
52.5	602	583	569	570	704	757	812	1313	1491	1421	751	576
55	641	626	598	610	753	826	929	1485	1718	1652	897	659
57.5	716	703	685	696	878	985	1162	1783	2079	2026	1154	824
60	821	804	784	818	1041	1191	1445	2134	2496	2437	1450	1006
62.5	868	875	842	889	1139	1308	1652	2393	2824	2777	1717	1187
65	904	906	864	928	1186	1361	1794	2589	3014	2960	1948	1318
67.5	920	920	876	933	1190	1371	1892	2677	3062	3020	2057	1406
68	914	915	869	925	1180	1359	1886	2670	3044	3002	2053	1397
70	880	887	833	882	1123	1288	1824	2592	2936	2883	1987	1343
72.5	829	835	788	822	1039	1149	1638	2354	2673	2605	1823	1239
75	775	779	735	769	954	1050	1476	2073	2320	2313	1617	1120
77.5	698	707	673	695	846	931	1292	1772	1961	1943	1384	969
80	619	629	595	623	745	802	1063	1465	1600	1568	1145	812
82.5	522	533	507	525	612	646	859	1144	1220	1202	875	619
85	409	408	403	416	481	480	637	857	880	865	630	455
87.5	321	318	313	331	373	376	464	609	639	634	460	331
90	241	243	241	250	275	283	346	459	449	448	335	248
95	161	161	158	158	163	169	200	229	239	242	197	164
105	131	132	129	125	125	125	144	169	185	181	153	134
115	125	132	129	125	125	125	150	191	200	194	153	131
125	112	116	116	112	109	116	134	172	171	165	125	109
135	100	100	100	97	94	107	135	162	143	134	100	88
145	94	94	94	94	100	121	149	158	143	137	106	94
155	81	78	78	81	87	93	102	105	103	103	90	87
165	62	62	62	62	65	68	68	68	68	68	68	68
175	68	65	68	65	62	65	65	65	65	65	68	65
180	67	67	67	67	67	67	67	67	67	67	67	67

Vertical Angle	Horizontal Angles									
	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>	<u>175</u>	<u>180</u>
0	45	45	45	45	45	45	45	45	45	45
2.5	57	57	51	48	48	45	41	38	45	38
5	77	77	70	70	64	61	61	57	57	57
7.5	96	93	90	87	84	81	77	70	70	70
10	132	125	116	106	106	103	93	90	83	83
12.5	157	144	135	128	122	116	109	103	96	90
15	179	163	151	141	134	128	122	116	109	103
17.5	189	176	163	151	141	141	131	128	115	109
20	202	182	169	160	151	147	141	134	122	116
22.5	214	192	179	176	167	160	154	148	135	129
25	227	204	195	192	189	180	170	174	154	148
27.5	233	210	204	201	205	202	192	199	173	167
30	233	211	204	211	215	218	205	218	186	173
32.5	243	224	218	228	235	241	228	238	206	186
35	260	245	235	244	261	270	248	264	232	212
37.5	296	283	270	273	292	305	283	301	264	238
40	334	315	292	292	311	330	301	313	288	257
42.5	362	347	332	321	332	348	319	325	307	275
45	395	386	377	360	348	360	325	331	319	287
47.5	440	420	426	401	365	366	327	330	318	292
50	473	443	446	431	390	369	324	317	310	285
52.5	492	448	447	438	405	376	324	310	297	279
55	531	441	431	428	414	386	325	305	285	279
57.5	604	450	430	429	421	395	334	305	285	279
60	697	478	449	435	437	412	349	307	281	281
62.5	784	489	457	442	453	438	378	333	308	303
65	859	492	463	452	478	469	410	365	341	347
67.5	919	494	469	472	499	488	435	397	384	389
68	916	493	469	472	501	488	440	403	391	398
70	898	482	468	474	500	494	451	424	412	421
72.5	854	462	461	467	492	487	457	445	436	439
75	793	439	446	456	482	483	462	457	451	457
77.5	704	409	423	436	461	469	465	462	459	468
80	597	362	389	406	432	452	461	464	454	460
82.5	479	301	344	371	406	433	456	460	448	454
85	370	253	301	333	375	414	440	450	441	447
87.5	273	216	270	308	347	397	430	439	430	440
90	217	184	237	273	326	370	407	417	415	422
95	143	140	180	217	270	310	338	360	364	373
105	119	107	112	124	164	182	182	194	209	216
115	116	107	107	112	125	134	124	118	118	117
125	100	100	94	100	106	112	103	97	94	94
135	88	81	81	84	87	87	81	81	78	81
145	84	75	75	75	75	75	72	68	68	68
155	81	75	68	68	68	68	68	68	68	68
165	62	62	62	62	62	62	65	62	62	62
175	62	65	65	65	68	68	65	65	65	68
180	67	67	67	67	67	67	67	67	67	67

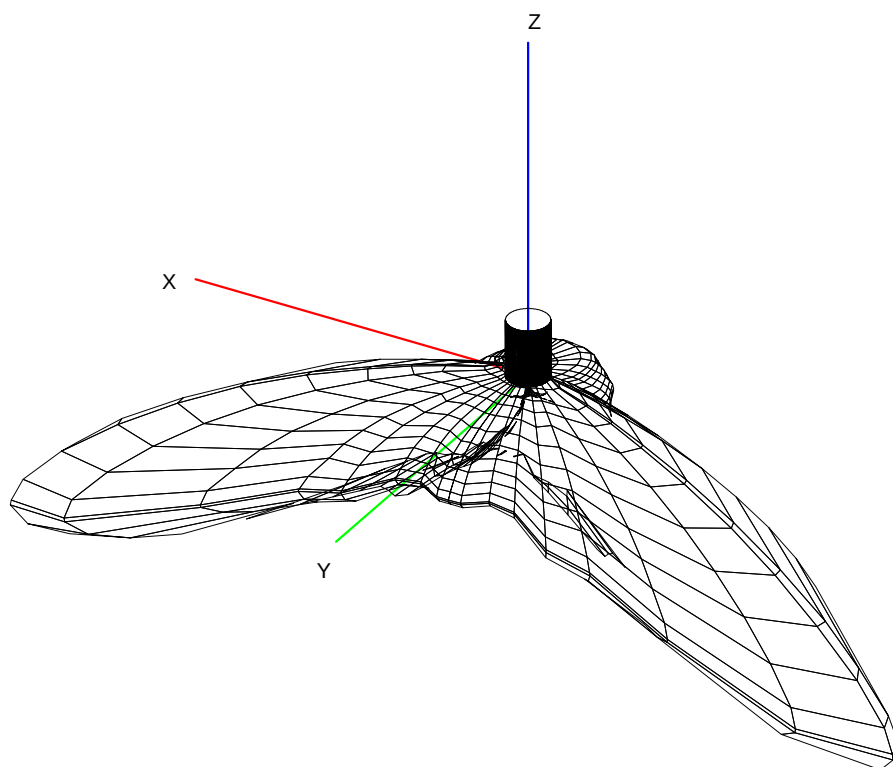
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