

Photometric Report

CATALOG NUMBER: EAWUS-EC-100W

Monday, October 12, 2009

FILENAME: EAWUS-EC-100W.IES

EAWUS-EC-100W
IESNA:LM-63-1995
[TEST]ITL48610
[MANUFAC]FULL SPECTRUM SOLUTIONS, INC.
[LUMCAT]EAWUS-EC-100W
[LUMINAIRE]100w EverLast Acorn Walkway
[MORE]ACRYLIC PRISMATIC REFRACTOR WITH FORMED PERFORATED SEMI-
[MORE]SPECULAR METAL UPPER REFLECTOR, CLEAR MOLDED ACRYLIC LINEAR
[MORE]PRISMATIC DECORATIVE TOP.

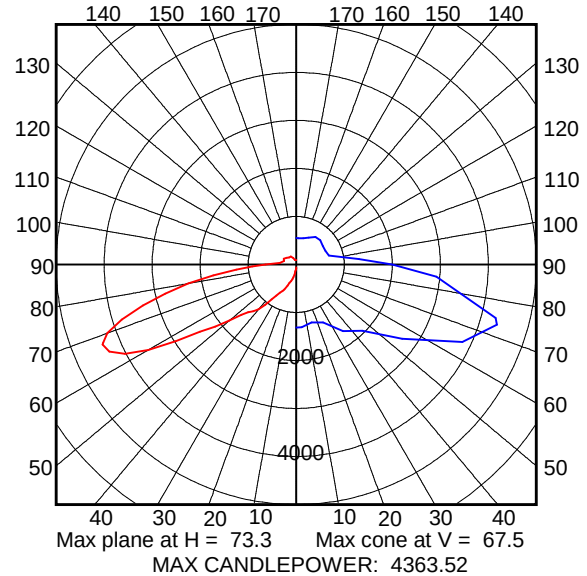
SUMMARY DATA

EFFICIENCY (Total): 81.2 %
EFFICIENCY (Down / Up): 66.7 % / 14.6 %
EFFICIENCY (Street / House): 54.1 % / 27.2 %
ROADWAY CLASSIFICATION: TYPE III, MEDIUM
CUTOFF CLASSIFICATION: NONCUTOFF
LUMENS/LAMP: 8400
NO. OF LAMPS: 1
LUMINOUS OPENING: VERTICAL CYLINDER
Diameter: 1.32 (Feet)
Height: 1.86
INPUT WATTS: 105

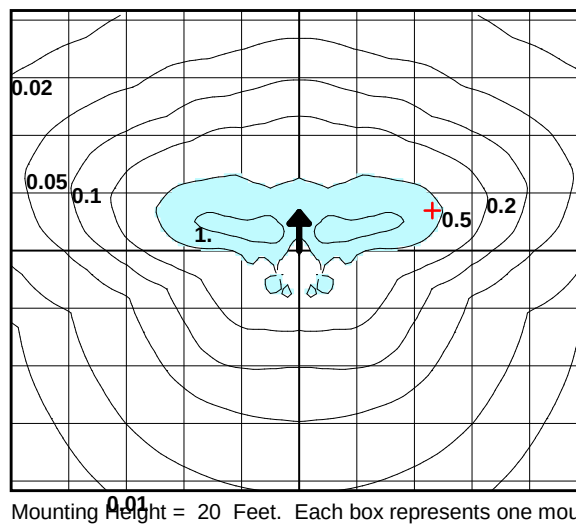
LUMINAIRE CLASSIFICATION SYSTEM (BUG RATING = B2-U4-G3)

FORWARD LIGHT	Lumens (% of Lamp Lumens)	
FL (0-30):	170	(2.0%)
FM (30-60):	1217	(14.5%)
FH (60-80):	2065	(24.6%)
FVH(80-90):	465	(5.5%)
BACKLIGHT		
BL (0-30):	95	(1.1%)
BM (30-60):	570	(6.8%)
BH (60-80):	723	(8.6%)
BVH(80-90):	296	(3.5%)
UPLIGHT		
UL (90-100):	368	(4.4%)
UH (100-180):	855	(10.2%)
TRAPPED LIGHT:	1576	(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:
2428 sq.ft.

+ = Point of max candela

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

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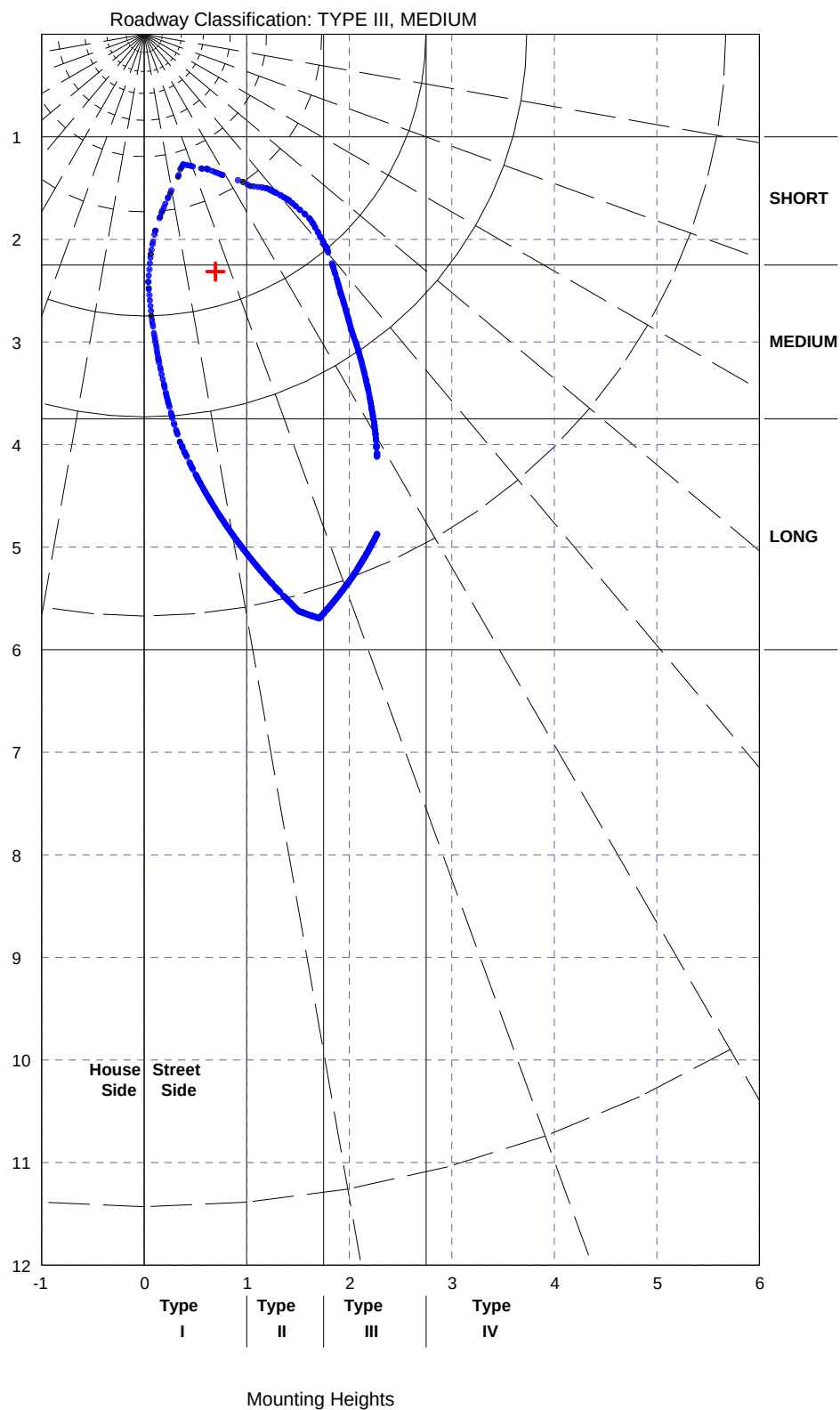
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CANDELA TABLE

Vertical Angle	Horizontal Angles											
	0	5	15	25	35	45	55	65	73.3	75	85	90
0	64	64	64	64	64	64	64	64	64	64	64	64
2.5	91	86	91	82	82	77	82	82	86	91	86	86
5	100	100	100	105	105	105	105	105	105	105	110	110
7.5	128	119	129	124	128	138	138	138	142	142	137	142
10	174	174	202	183	202	211	220	216	211	216	197	197
12.5	210	210	246	229	265	283	293	283	274	274	242	237
15	228	228	274	274	301	329	343	329	316	310	278	269
17.5	246	246	301	292	343	380	403	385	361	352	306	287
20	265	265	330	320	390	450	477	449	407	394	334	305
22.5	302	311	395	367	473	556	593	548	477	459	366	333
25	367	366	466	420	567	668	724	678	577	545	402	356
27.5	402	392	483	437	587	707	809	750	626	589	414	364
30	429	410	501	446	610	748	871	838	682	636	414	364
32.5	468	444	520	470	644	780	916	939	767	705	438	379
35	542	504	567	517	703	826	973	1071	893	805	472	403
37.5	603	558	611	572	757	884	1059	1254	1058	962	545	463
40	637	601	636	609	790	911	1107	1422	1223	1109	599	512
42.5	645	604	635	609	780	880	1063	1500	1324	1206	643	548
45	665	626	647	629	787	848	982	1500	1411	1300	686	595
47.5	722	696	694	686	841	885	949	1522	1548	1463	768	661
50	796	768	758	754	920	971	1012	1672	1816	1724	899	747
52.5	857	830	810	812	1004	1079	1156	1870	2125	2026	1070	820
55	914	892	852	870	1073	1178	1323	2116	2448	2354	1278	939
57.5	1021	1002	976	991	1252	1403	1656	2541	2963	2886	1645	1174
60	1170	1146	1117	1165	1483	1697	2060	3041	3557	3472	2066	1434
62.5	1237	1247	1200	1267	1622	1864	2354	3409	4025	3957	2447	1691
65	1287	1291	1231	1323	1690	1939	2556	3689	4295	4218	2776	1878
67.5	1310	1310	1248	1330	1696	1954	2696	3814	4364	4303	2932	2004
68	1303	1304	1239	1318	1681	1937	2687	3805	4338	4278	2926	1990
70	1254	1264	1187	1257	1600	1835	2598	3693	4184	4108	2832	1914
72.5	1181	1189	1122	1171	1481	1637	2334	3354	3809	3712	2598	1765
75	1104	1109	1048	1095	1360	1497	2103	2953	3306	3296	2304	1595
77.5	994	1008	959	991	1205	1327	1841	2526	2794	2768	1972	1380
80	883	897	848	888	1061	1142	1515	2088	2279	2235	1632	1157
82.5	743	759	723	748	872	920	1224	1630	1739	1713	1247	881
85	582	581	574	592	686	684	908	1221	1254	1233	898	649
87.5	458	454	446	472	531	536	661	867	911	903	656	472
90	343	346	344	356	391	403	493	655	640	638	477	354
95	230	230	225	225	232	241	284	326	341	346	281	234
105	187	188	183	179	178	178	205	241	263	258	218	192
115	178	188	183	179	179	179	214	272	286	277	218	187
125	160	165	165	160	156	165	192	245	244	235	178	155
135	142	142	142	138	134	152	192	231	204	191	142	125
145	133	133	133	133	142	173	213	226	204	195	151	134
155	115	111	111	115	124	133	146	150	146	146	129	124
165	88	88	88	88	93	97	97	97	97	97	97	97
175	97	93	97	93	88	93	93	93	93	93	97	93
180	95	95	95	95	95	95	95	95	95	95	95	95

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	64	64	64	64	64	64	64	64	64	64
2.5	82	82	73	68	68	64	59	54	64	54
5	110	110	100	100	91	86	86	82	82	82
7.5	137	133	128	124	119	115	110	100	100	100
10	188	179	165	151	151	146	133	128	119	119
12.5	224	206	192	183	174	165	156	146	137	128
15	255	232	214	200	192	183	174	165	155	146
17.5	269	250	232	214	200	200	187	183	164	155
20	287	259	241	228	214	210	201	192	174	165
22.5	305	273	255	251	238	228	220	211	192	183
25	324	291	278	273	269	256	242	248	220	211
27.5	332	300	291	287	292	288	274	283	246	237
30	332	300	291	301	306	311	292	310	265	246
32.5	347	320	310	324	334	343	325	339	293	265
35	371	349	335	348	371	385	353	376	330	302
37.5	422	404	385	389	416	435	403	430	376	339
40	476	449	417	416	443	470	429	446	411	366
42.5	516	494	473	458	474	496	455	464	437	392
45	563	549	538	514	496	513	463	472	454	409
47.5	627	598	608	572	520	522	466	470	452	417
50	674	632	636	614	556	526	461	451	442	407
52.5	701	638	637	624	577	536	461	442	423	398
55	756	629	614	610	590	549	463	434	407	398
57.5	860	641	613	612	599	563	477	434	406	398
60	993	682	640	620	622	587	497	437	400	400
62.5	1117	697	652	629	646	624	539	475	439	431
65	1224	701	660	645	681	669	584	520	486	495
67.5	1309	704	668	673	711	695	620	566	547	554
68	1306	702	668	673	714	696	627	574	557	567
70	1279	687	667	676	712	703	642	605	587	600
72.5	1217	659	656	666	702	693	651	634	622	626
75	1130	626	636	650	687	688	659	651	642	652
77.5	1003	582	603	621	657	668	662	659	654	666
80	851	516	555	579	616	645	657	661	647	656
82.5	683	430	490	528	579	617	650	655	638	647
85	527	360	429	475	534	590	627	641	628	637
87.5	389	307	384	438	494	566	613	626	613	627
90	310	262	338	389	464	527	580	595	591	602
95	203	199	256	309	385	442	481	513	518	531
105	170	152	160	176	234	260	259	276	298	307
115	165	152	152	160	178	190	177	167	167	167
125	142	142	133	142	151	160	146	138	133	133
135	125	115	116	120	124	124	115	115	111	115
145	120	107	107	107	107	107	102	97	97	97
155	115	107	97	97	97	97	97	97	97	97
165	88	88	88	88	88	88	93	88	88	88
175	88	93	93	93	97	97	93	93	93	97
180	95	95	95	95	95	95	95	95	95	95

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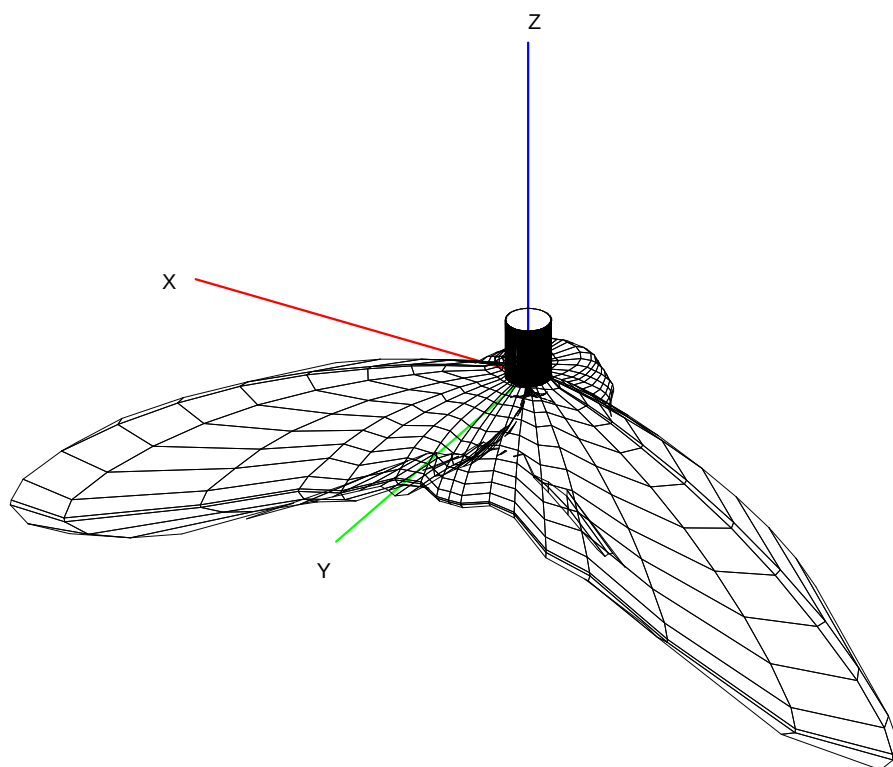
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