

Photometric Report

CATALOG NUMBER: EAWUS-EC-40W

Monday, October 12, 2009

FILENAME: EAWUS-EC-40W.IES

EAWUS-EC-40W
IESNA:LM-63-1995
[TEST]ITL48610
[MANUFAC]FULL SPECTRUM SOLUTIONS, INC.
[LUMCAT]EAWUS-EC-40W
[LUMINAIRE]40w EverLast Acorn Walkway
[MORE]ACRYLIC PRISMATIC REFRACTOR WITH FORMED PERFORATED SEMI-
[MORE]SPECULAR METAL UPPER REFLECTOR, CLEAR MOLDED ACRYLIC LINEAR
[MORE]PRISMATIC DECORATIVE TOP.

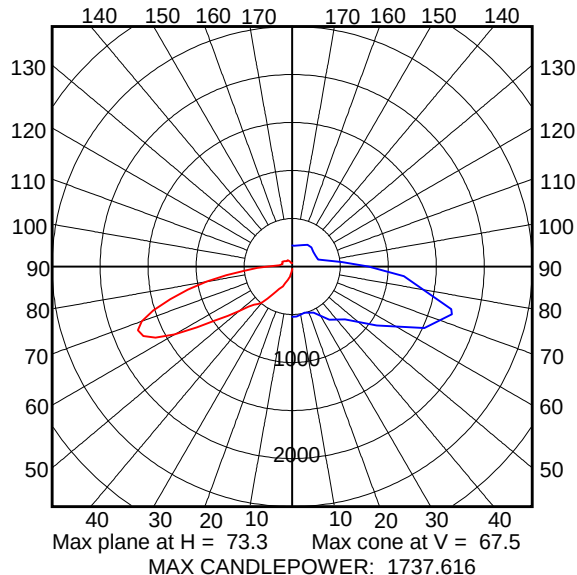
SUMMARY DATA

EFFICIENCY (Total): 81.1 %
EFFICIENCY (Down / Up): 66.6 % / 14.5 %
EFFICIENCY (Street / House): 54.0 % / 27.1 %
ROADWAY CLASSIFICATION: TYPE III, MEDIUM
CUTOFF CLASSIFICATION: NONCUTOFF
LUMENS/LAMP: 3350
NO. OF LAMPS: 1
LUMINOUS OPENING: VERTICAL CYLINDER
Diameter: 1.32 (Feet)
Height: 1.86
INPUT WATTS: 44

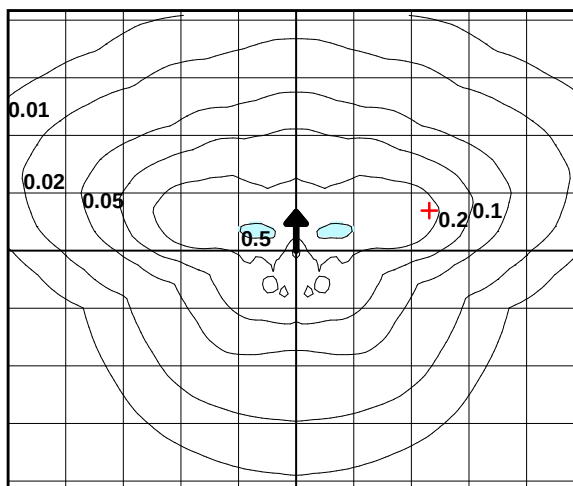
LUMINAIRE CLASSIFICATION SYSTEM (BUG RATING = B1-U3-G1)

FORWARD LIGHT		Lumens (% of Lamp Lumens)	
FL (0-30):	68	(2.0%)	
FM (30-60):	485	(14.5%)	
FH (60-80):	822	(24.6%)	
FVH(80-90):	185	(5.5%)	
BACKLIGHT			
BL (0-30):	38	(1.1%)	
BM (30-60):	227	(6.8%)	
BH (60-80):	288	(8.6%)	
BVH(80-90):	118	(3.5%)	
UPLIGHT			
UL (90-100):	147	(4.4%)	
UH (100-180):	340	(10.2%)	
TRAPPED LIGHT:	632	(18.9%)	

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:
88 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.

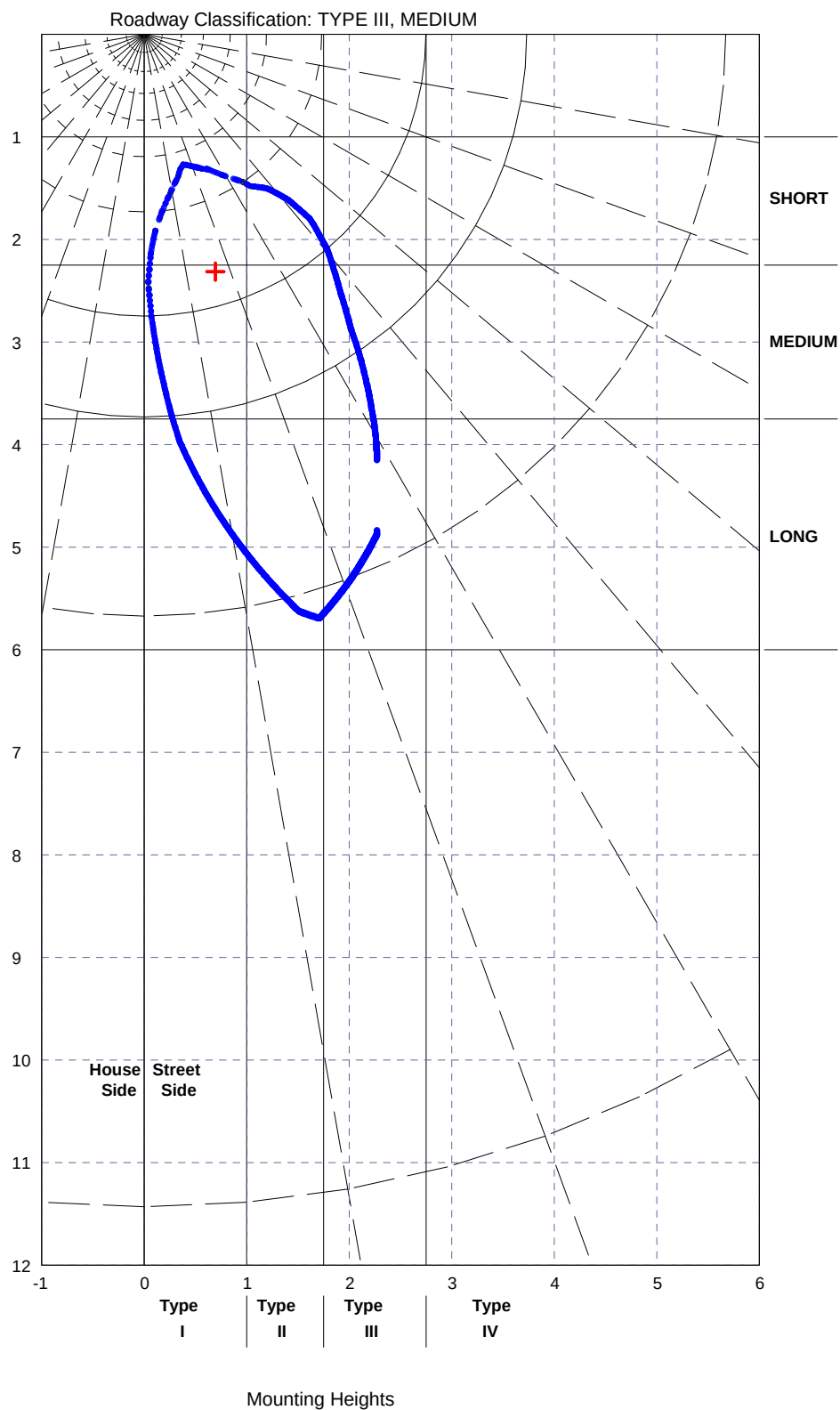
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CANDELA TABLE

Vertical Angle	Horizontal Angles											
	0	5	15	25	35	45	55	65	73.3	75	85	90
0	26	26	26	26	26	26	26	26	26	26	26	26
2.5	36	34	36	33	33	31	33	33	34	36	34	34
5	40	40	40	42	42	42	42	42	42	42	44	44
7.5	51	47	51	49	51	55	55	55	57	57	55	57
10	69	69	80	73	80	84	88	86	84	86	78	78
12.5	84	84	98	91	105	113	117	113	109	109	97	95
15	91	91	109	109	120	131	137	131	126	124	111	107
17.5	98	98	120	116	137	151	161	153	144	140	122	114
20	105	105	131	128	155	179	190	179	162	157	133	122
22.5	120	124	157	146	188	221	236	218	190	183	146	133
25	146	146	186	167	226	266	288	270	230	217	160	142
27.5	160	156	192	174	234	281	322	299	249	235	165	145
30	171	163	199	178	243	298	347	334	271	253	165	145
32.5	186	177	207	187	256	310	365	374	305	281	174	151
35	216	201	226	206	280	329	388	426	355	321	188	161
37.5	240	222	243	228	301	352	422	500	421	383	217	184
40	254	239	253	243	315	363	441	566	487	442	238	204
42.5	257	241	253	242	310	351	423	597	527	480	256	218
45	265	249	258	251	314	338	391	597	562	518	273	237
47.5	288	277	277	273	335	353	378	606	617	583	306	263
50	317	306	302	300	366	387	403	666	723	687	358	297
52.5	341	331	323	323	400	429	460	745	846	807	426	327
55	364	355	339	346	427	469	527	843	975	937	509	374
57.5	407	399	388	395	498	559	659	1012	1180	1149	655	468
60	466	456	445	464	591	676	820	1211	1416	1383	823	571
62.5	493	497	478	504	646	742	937	1358	1603	1576	974	673
65	513	514	490	527	673	772	1018	1469	1710	1680	1106	748
67.5	522	522	497	530	675	778	1074	1519	1738	1714	1167	798
68	519	519	493	525	669	771	1070	1515	1727	1703	1165	793
70	499	503	473	500	637	731	1035	1471	1666	1636	1128	762
72.5	470	474	447	466	590	652	929	1336	1517	1478	1034	703
75	440	442	417	436	541	596	837	1176	1316	1313	918	635
77.5	396	401	382	394	480	529	733	1006	1113	1102	785	550
80	351	357	338	353	423	455	603	831	908	890	650	461
82.5	296	302	288	298	347	366	487	649	692	682	496	351
85	232	231	229	236	273	272	362	486	499	491	357	258
87.5	182	181	178	188	211	213	263	345	363	360	261	188
90	137	138	137	142	156	160	196	261	255	254	190	141
95	91	91	90	89	93	96	113	130	136	138	112	93
105	74	75	73	71	71	71	82	96	105	103	87	76
115	71	75	73	71	71	71	85	108	114	110	87	74
125	64	66	66	64	62	66	76	97	97	94	71	62
135	57	57	57	55	53	60	76	92	81	76	57	50
145	53	53	53	53	57	69	85	90	81	78	60	53
155	46	44	44	46	50	53	58	60	58	58	51	50
165	35	35	35	35	37	39	39	39	39	39	39	39
175	39	37	39	37	35	37	37	37	37	37	39	37
180	38	38	38	38	38	38	38	38	38	38	38	38

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	26	26	26	26	26	26	26	26	26	26
2.5	33	33	29	27	27	25	23	22	25	22
5	44	44	40	40	36	34	34	33	33	33
7.5	55	53	51	49	47	46	44	40	40	40
10	75	71	66	60	60	58	53	51	47	47
12.5	89	82	76	73	69	66	62	58	55	51
15	102	93	85	80	76	73	69	66	62	58
17.5	107	100	93	85	80	80	74	73	65	62
20	114	103	96	91	85	84	80	76	69	66
22.5	122	109	102	100	95	91	87	84	76	73
25	129	116	111	109	107	102	97	99	87	84
27.5	132	119	116	114	116	115	109	113	98	95
30	132	120	116	120	122	124	116	124	105	98
32.5	138	127	124	129	133	137	129	135	117	106
35	148	139	133	138	148	153	140	150	132	120
37.5	168	161	153	155	166	173	160	171	150	135
40	190	179	166	166	176	187	171	178	164	146
42.5	206	197	188	182	189	198	181	185	174	156
45	224	219	214	204	198	204	184	188	181	163
47.5	250	238	242	228	207	208	186	187	180	166
50	268	252	253	245	221	210	184	180	176	162
52.5	279	254	254	249	230	213	184	176	169	159
55	301	250	244	243	235	219	184	173	162	159
57.5	343	255	244	244	239	224	190	173	162	158
60	395	271	255	247	248	234	198	174	159	159
62.5	445	277	260	251	257	249	215	189	175	172
65	487	279	263	257	271	266	232	207	193	197
67.5	521	281	266	268	283	277	247	225	218	221
68	520	280	266	268	284	277	250	229	222	226
70	509	274	266	269	283	280	256	241	234	239
72.5	485	262	261	265	279	276	259	253	248	249
75	450	249	253	259	273	274	262	259	256	260
77.5	399	232	240	247	262	266	264	262	260	265
80	339	205	221	231	245	257	262	263	258	261
82.5	272	171	195	210	231	246	259	261	254	258
85	210	143	171	189	213	235	250	255	250	254
87.5	155	122	153	175	197	225	244	249	244	250
90	123	104	134	155	185	210	231	237	235	240
95	81	79	102	123	153	176	192	204	206	212
105	68	60	64	70	93	103	103	110	119	122
115	66	60	60	64	71	76	70	67	67	66
125	57	57	53	57	60	64	58	55	53	53
135	50	46	46	48	50	50	46	46	44	46
145	48	43	43	43	43	43	41	39	39	39
155	46	43	39	39	39	39	39	39	39	39
165	35	35	35	35	35	35	37	35	35	35
175	35	37	37	37	39	39	37	37	37	39
180	38	38	38	38	38	38	38	38	38	38

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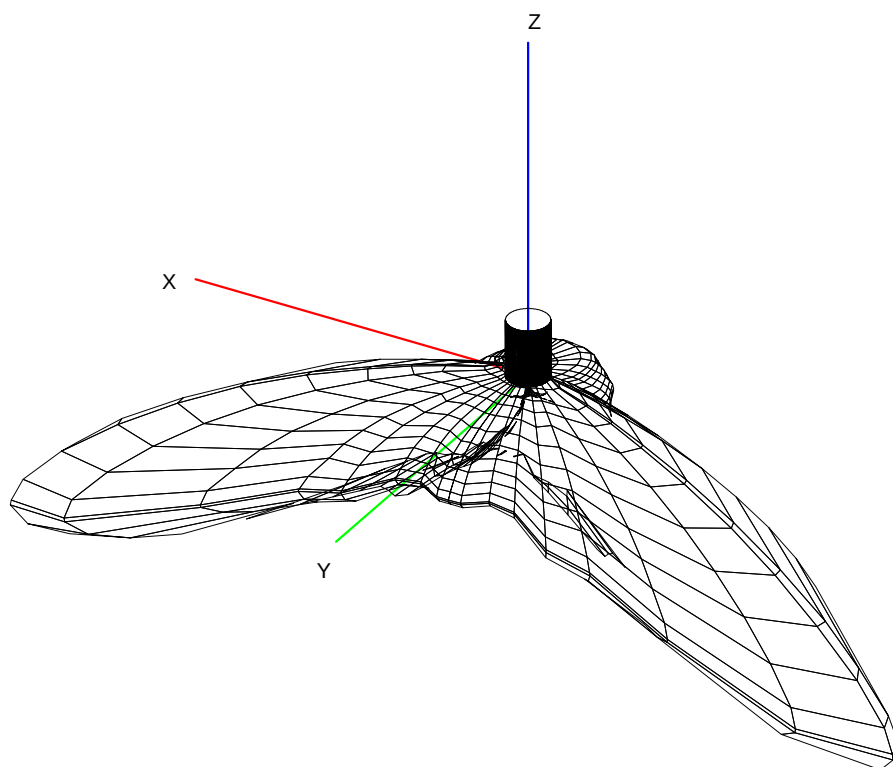
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