

Photometric Report

CATALOG NUMBER: 70w Cobra

Monday, October 12, 2009

FILENAME: ECHUS-EC-70W.IES

IESNA:LM-63-2002
[TEST]03192
[TESTLAB]A.L.P.-LexaLite
[ISSUE DATE]08/12/09
[MANUFACTURER]Full Spectrum
[LUMINAIRE]70w Cobra
[LUMINAIRE]GRAY POLYMERIC HOUSING WITH CLEAR ACRYLIC DROP LENS AND
[MORE]INTERNAL SPECULAR REFLECTOR
[LAMP]CAT]INDUCTION
[LAMP]ONE 70 WATT INDUCTION LAMP
[BALLAST]FULL SPECTRUM SOLUTIONS INC. EB-70W

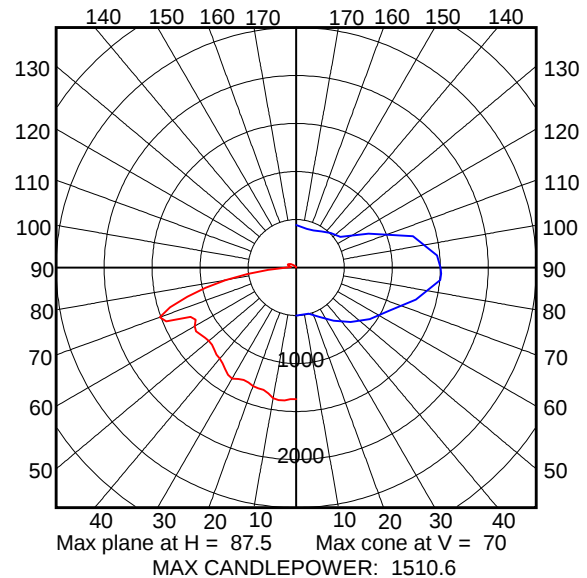
SUMMARY DATA

EFFICIENCY (Total): 83.5 %
EFFICIENCY (Down / Up): 81.3 % / 2.2 %
EFFICIENCY (Street / House): 45.8 % / 37.8 %
ROADWAY CLASSIFICATION: TYPE III, MEDIUM
CUTOFF CLASSIFICATION: SEMICUTOFF
LUMENS/LAMP: 5900
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 1.13 (Feet)
Length: 1.79
Height: 0.50
INPUT WATTS: 75

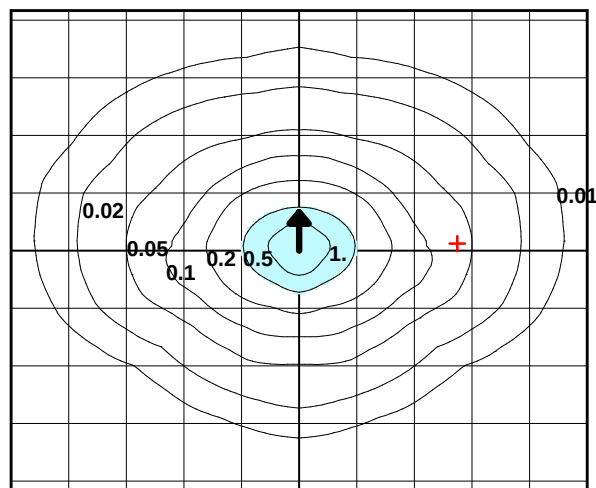
LUMINAIRE CLASSIFICATION SYSTEM (BUG RATING = B2-U2-G2)

FORWARD LIGHT	Lumens (% of Lamp Lumens)	
FL (0-30):	557	(9.4%)
FM (30-60):	1135	(19.2%)
FH (60-80):	794	(13.5%)
FVH(80-90):	120	(2.0%)
BACKLIGHT		
BL (0-30):	507	(8.6%)
BM (30-60):	963	(16.3%)
BH (60-80):	641	(10.9%)
BVH(80-90):	78	(1.3%)
UPLIGHT		
UL (90-100):	41	(0.7%)
UH (100-180):	92	(1.6%)
TRAPPED LIGHT:	972	(16.5%)

PLANE & CONE DIAGRAM



ISO-ILLUMINANCE DIAGRAM (fc)



Mounting Height	Multiplier
10	9.000
15	4.000
20	2.250
25	1.440
30	1.000
35	0.735
40	0.563
45	0.444
50	0.360

Shade Limit:
0.5 fc.

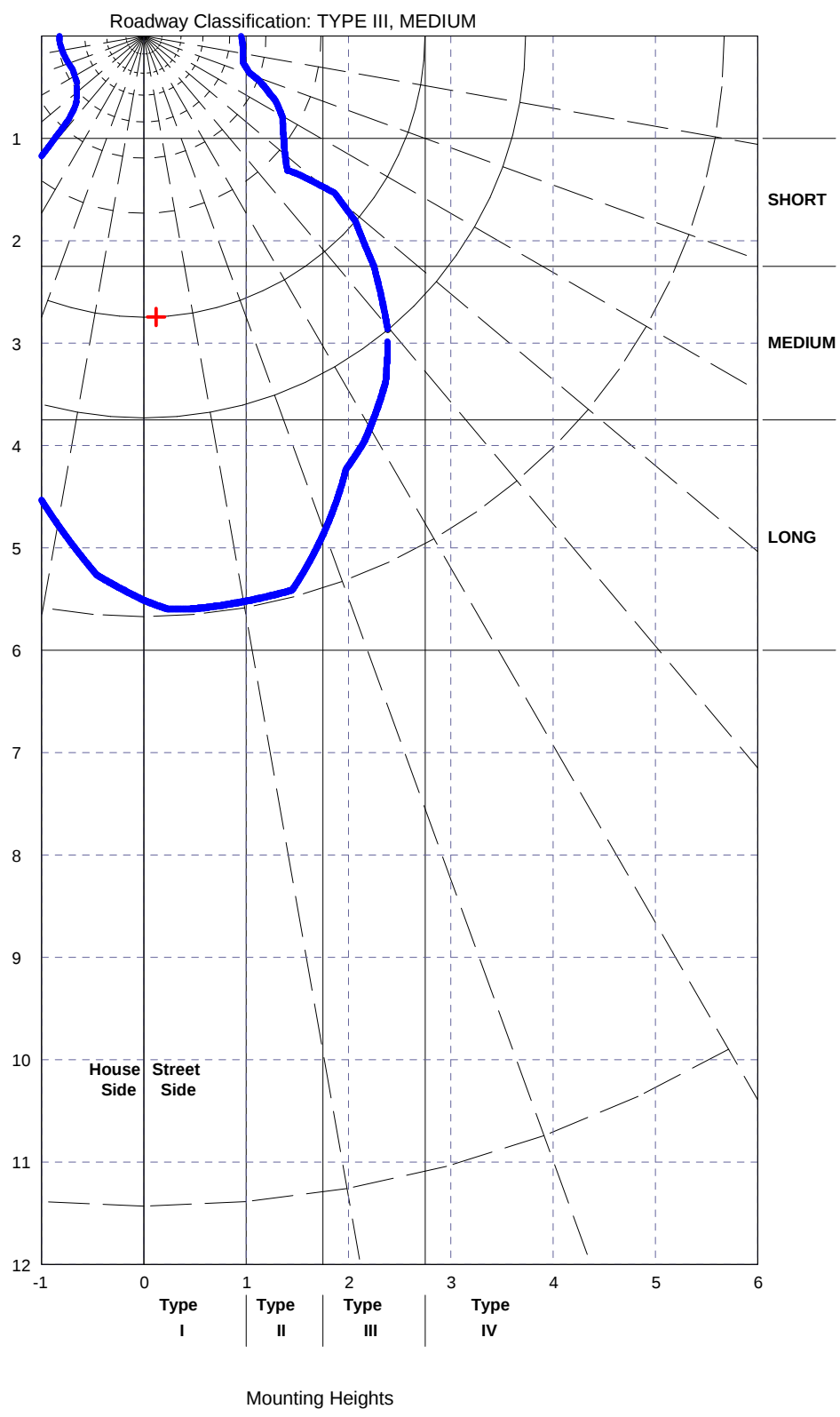
Shaded Area:
1974 sq.ft.

+ = Point of max candela

Mounting Height = 30 Feet. Each box represents one mounting height.

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

Photometric Viewer v3.4



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CANDELA TABLE

Vertical Angle	Horizontal Angles											
	0	5	15	25	35	45	55	65	75	85	87.5	90
0	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370
2.5	1386	1384	1385	1385	1385	1385	1384	1380	1378	1375	1372	1373
5	1420	1420	1421	1418	1416	1413	1410	1404	1399	1391	1389	1386
7.5	1437	1437	1435	1432	1425	1423	1419	1416	1410	1398	1393	1390
10	1445	1443	1437	1431	1420	1419	1420	1413	1402	1386	1381	1375
12.5	1465	1464	1448	1431	1421	1418	1421	1411	1381	1350	1342	1335
15	1466	1463	1435	1418	1415	1404	1406	1402	1366	1328	1318	1310
17.5	1419	1421	1397	1381	1375	1380	1380	1381	1358	1330	1320	1310
20	1370	1369	1354	1346	1334	1330	1340	1350	1340	1322	1315	1307
22.5	1320	1315	1313	1295	1273	1263	1283	1310	1313	1306	1298	1290
25	1262	1267	1256	1239	1217	1225	1261	1296	1309	1298	1292	1285
27.5	1196	1199	1185	1183	1179	1208	1261	1312	1330	1319	1308	1296
30	1112	1107	1106	1118	1138	1187	1251	1320	1354	1350	1334	1318
32.5	1019	1014	1026	1049	1095	1167	1236	1304	1362	1338	1324	1310
35	934	937	946	980	1031	1117	1196	1266	1320	1303	1289	1281
37.5	873	874	886	918	972	1061	1151	1223	1267	1270	1257	1243
40	826	826	837	865	936	1018	1097	1176	1234	1254	1239	1222
42.5	774	779	791	822	894	976	1065	1152	1224	1238	1229	1211
45	731	743	756	795	858	945	1052	1149	1213	1217	1208	1193
47.5	708	718	737	781	842	933	1047	1128	1198	1198	1190	1175
50	700	706	731	773	831	926	1036	1112	1185	1200	1189	1172
52.5	694	696	723	762	823	912	1021	1086	1160	1202	1198	1187
55	681	683	712	750	805	887	994	1058	1119	1216	1217	1206
57.5	660	664	695	726	781	854	951	1025	1102	1236	1237	1227
60	622	632	664	674	738	802	897	965	1070	1225	1221	1208
62.5	585	596	617	632	693	770	874	934	1045	1231	1179	1144
65	555	561	580	602	689	801	912	983	1037	1237	1215	1273
67.5	525	529	547	583	702	823	947	1053	1105	1423	1465	1496
70	501	496	500	565	677	804	937	1066	1289	1506	1511	1504
72.5	472	458	449	523	617	756	908	1022	1350	1390	1377	1367
75	432	416	405	464	551	681	822	922	1195	1183	1176	1163
77.5	399	369	346	369	462	571	700	785	975	963	966	940
80	325	294	270	272	355	440	536	606	744	747	745	732
82.5	214	199	177	182	239	301	367	417	523	519	511	510
85	119	106	98	99	142	187	221	255	308	298	293	292
87.5	46	42	42	46	73	98	118	135	164	152	156	160
90	21	22	23	30	45	63	79	92	116	105	105	109
92.5	16	17	17	23	33	49	63	71	83	76	77	84
95	16	17	15	18	25	40	52	62	63	62	65	69
97.5	15	16	15	19	23	33	48	60	56	53	54	55
100	14	15	13	18	24	40	55	67	64	61	62	61
102.5	11	11	11	17	22	46	64	76	74	72	72	71
105	10	9	10	15	20	46	68	82	80	81	80	80
107.5	8	8	10	15	20	46	68	83	81	89	90	91
110	6	7	9	13	19	43	66	82	82	91	92	92
112.5	5	5	8	11	19	42	61	83	85	86	87	86
115	5	5	8	11	19	43	55	78	84	85	84	82
117.5	4	4	6	12	24	38	51	71	79	80	78	76
120	4	4	6	15	23	31	47	66	74	76	76	72
122.5	3	3	5	15	17	30	45	57	66	67	66	62
125	2	2	5	14	16	31	44	53	55	58	57	55
127.5	2	2	5	12	17	32	41	44	45	47	48	46
130	1	2	4	9	17	29	35	36	35	38	39	37
132.5	1	1	3	7	15	25	28	30	27	30	30	30
135	1	1	3	6	14	19	24	26	25	26	25	25
137.5	0	1	2	5	11	14	17	24	25	23	22	21
140	0	0	2	4	7	10	15	19	21	20	20	19
142.5	0	1	1	2	5	6	12	16	16	16	16	15
145	1	1	1	1	3	4	8	12	12	13	13	13
147.5	0	0	0	0	0	2	4	6	7	8	8	8
150	1	1	1	1	0	0	1	3	4	5	5	5
152.5	1	1	0	0	0	0	0	0	0	0	1	0
155	0	0	0	0	0	0	0	0	0	0	0	0
157.5	1	1	1	0	0	0	0	0	0	0	0	0
160	1	1	1	1	0	0	0	0	0	0	0	0
162.5	1	1	1	0	0	0	0	0	0	0	0	0
165	1	1	1	1	0	0	0	0	0	0	0	0
167.5	1	1	1	1	0	0	0	0	0	0	0	0
170	1	1	1	1	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0	0	0
175	0	1	1	0	0	0	0	0	0	0	0	0
177.5	1	1	1	1	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0

Vertical Angle	Horizontal Angles									
	95	105	115	125	135	145	155	165	175	180
0	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370
2.5	1370	1366	1362	1359	1356	1354	1353	1354	1354	1355
5	1381	1369	1359	1351	1344	1337	1333	1338	1336	1337
7.5	1381	1366	1352	1340	1329	1325	1324	1324	1323	1324
10	1367	1350	1338	1327	1319	1320	1317	1308	1301	1302
12.5	1330	1321	1322	1322	1318	1320	1313	1304	1293	1292
15	1300	1300	1306	1314	1313	1315	1315	1309	1303	1299
17.5	1295	1284	1284	1286	1290	1295	1295	1290	1283	1279
20	1287	1257	1240	1236	1242	1239	1242	1240	1235	1237
22.5	1272	1218	1177	1156	1155	1158	1159	1168	1178	1179
25	1259	1192	1129	1081	1063	1067	1077	1087	1102	1105
27.5	1268	1207	1108	1026	982	985	996	1017	1026	1026
30	1279	1208	1102	997	934	925	928	959	966	966
32.5	1283	1190	1084	981	906	873	869	892	911	914
35	1255	1169	1057	956	877	824	813	834	853	852
37.5	1221	1155	1045	924	841	774	756	779	798	795
40	1194	1115	1013	903	798	729	701	723	745	746
42.5	1181	1096	983	879	763	683	647	661	687	694
45	1162	1078	966	857	737	647	601	594	618	621
47.5	1143	1056	947	834	723	632	570	567	582	583
50	1138	1040	932	819	721	641	566	563	568	565
52.5	1154	1038	927	821	714	637	569	566	551	545
55	1171	1044	938	816	709	631	581	561	535	529
57.5	1172	1038	940	816	704	621	594	551	521	512
60	1162	1031	924	802	695	610	604	549	504	497
62.5	1148	1100	905	770	669	593	594	537	492	487
65	1368	1225	908	714	628	562	554	508	483	481
67.5	1499	1300	886	647	571	518	494	469	469	476
70	1471	1261	832	560	506	459	427	417	432	442
72.5	1315	1119	739	478	417	387	345	345	361	367
75	1117	944	626	395	332	310	269	271	283	291
77.5	901	741	482	302	257	231	207	202	211	227
80	697	555	358	229	190	160	152	141	147	157
82.5	473	388	252	165	126	98	95	84	79	84
85	287	249	169	119	80	59	59	39	30	32
87.5	170	167	119	91	56	42	41	15	12	12
90	117	117	91	76	48	33	26	8	6	6
92.5	86	78	66	60	33	18	11	6	5	5
95	72	56	44	38	16	7	6	5	5	4
97.5	56	39	22	21	8	6	5	4	3	4
100	58	36	18	13	5	5	5	4	3	3
102.5	67	41	21	9	5	5	5	4	2	2
105	75	44	21	9	5	6	5	3	1	1
107.5	81	47	19	8	5	6	5	3	1	0
110	86	46	17	6	5	5	5	2	0	0
112.5	80	49	16	5	4	4	4	2	1	1
115	76	44	14	5	4	4	3	2	1	1
117.5	68	38	11	4	3	3	2	1	0	1
120	64	32	9	4	3	3	2	1	1	1
122.5	52	23	6	3	2	1	1	1	1	0
125	43	18	5	2	1	1	1	0	0	0
127.5	38	17	5	2	1	1	1	1	0	1
130	33	16	4	1	1	1	1	1	1	1
132.5	26	14	4	1	1	0	0	0	0	0
135	22	11	5	1	1	1	0	1	1	0
137.5	20	10	4	0	0	0	0	1	0	0
140	17	9	4	1	0	0	0	1	0	1
142.5	14	8	3	0	0	0	1	1	1	1
145	10	6	2	0	0	0	1	1	1	1
147.5	7	4	0	0	0	0	1	1	1	1
150	5	2	0	0	0	0	1	1	1	1
152.5	0	0	0	0	0	0	0	1	1	1
155	0	0	0	0	0	0	0	1	0	1
157.5	0	0	0	0	0	0	0	1	1	1
160	0	0	0	0	0	1	1	1	1	1
162.5	0	0	0	0	0	0	1	1	1	1
165	0	0	0	0	0	0	0	1	1	1
167.5	0	0	0	0	0	0	1	1	1	1
170	0	0	0	0	0	0	1	1	1	1
172.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	1	1	1	1
177.5	0	0	0	0	0	1	1	1	1	1
180	0	0	0	0	0	0	0	0	0	0

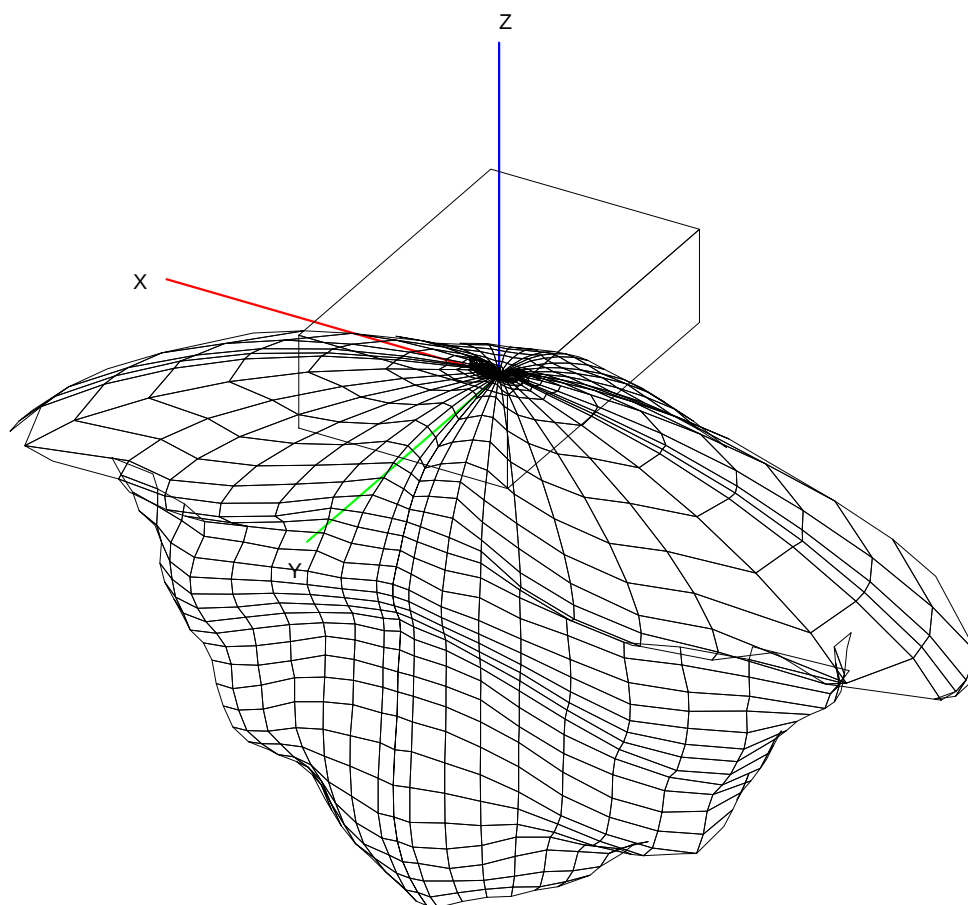
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