

Photometric Report

CATALOG NUMBER: 40w Cobra

Monday, October 12, 2009

FILENAME: ECHUS-EC-40W.IES

IESNA:LM-63-2002
[TEST]03192
[TESTLAB]A.L.P.-LexaLite
[ISSUE DATE]08/12/09
[MANUFACTURER]Full Spectrum
[LUMEN CATEGORY]40w Cobra
[LUMINAIRE]GRAY POLYMERIC HOUSING WITH CLEAR ACRYLIC DROP LENS AND
[MORE]INTERNAL SPECULAR REFLECTOR
[LAMP CATEGORY]INDUCTION
[LAMP]ONE 40 WATT INDUCTION LAMP
[BALLAST]FULL SPECTRUM SOLUTIONS INC. EB-40W

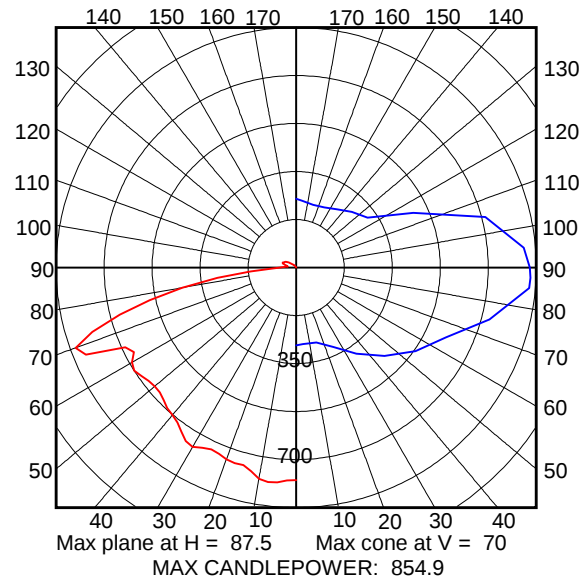
SUMMARY DATA

EFFICIENCY (Total): 83.3 %
EFFICIENCY (Down / Up): 81.0 % / 2.2 %
EFFICIENCY (Street / House): 45.6 % / 37.6 %
ROADWAY CLASSIFICATION: TYPE III, MEDIUM
CUTOFF CLASSIFICATION: SEMICUTOFF
LUMENS/LAMP: 3350
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 1.13 (Feet)
Length: 1.79
Height: 0.50
INPUT WATTS: 44

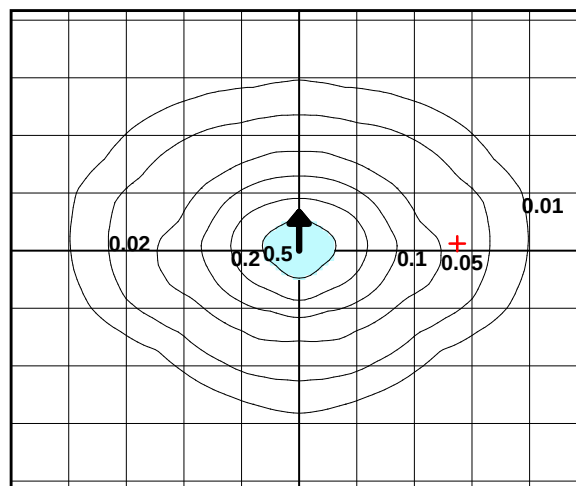
LUMINAIRE CLASSIFICATION SYSTEM (BUG RATING = B1-U2-G1)

FORWARD LIGHT	Lumens (% of Lamp Lumens)	
FL (0-30):	315	(9.4%)
FM (30-60):	642	(19.2%)
FH (60-80):	449	(13.4%)
FVH(80-90):	68	(2.0%)
BACKLIGHT		
BL (0-30):	287	(8.6%)
BM (30-60):	545	(16.3%)
BH (60-80):	363	(10.8%)
BVH(80-90):	44	(1.3%)
UPLIGHT		
UL (90-100):	23	(0.7%)
UH (100-180):	52	(1.5%)
TRAPPED LIGHT:	561	(16.7%)

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.

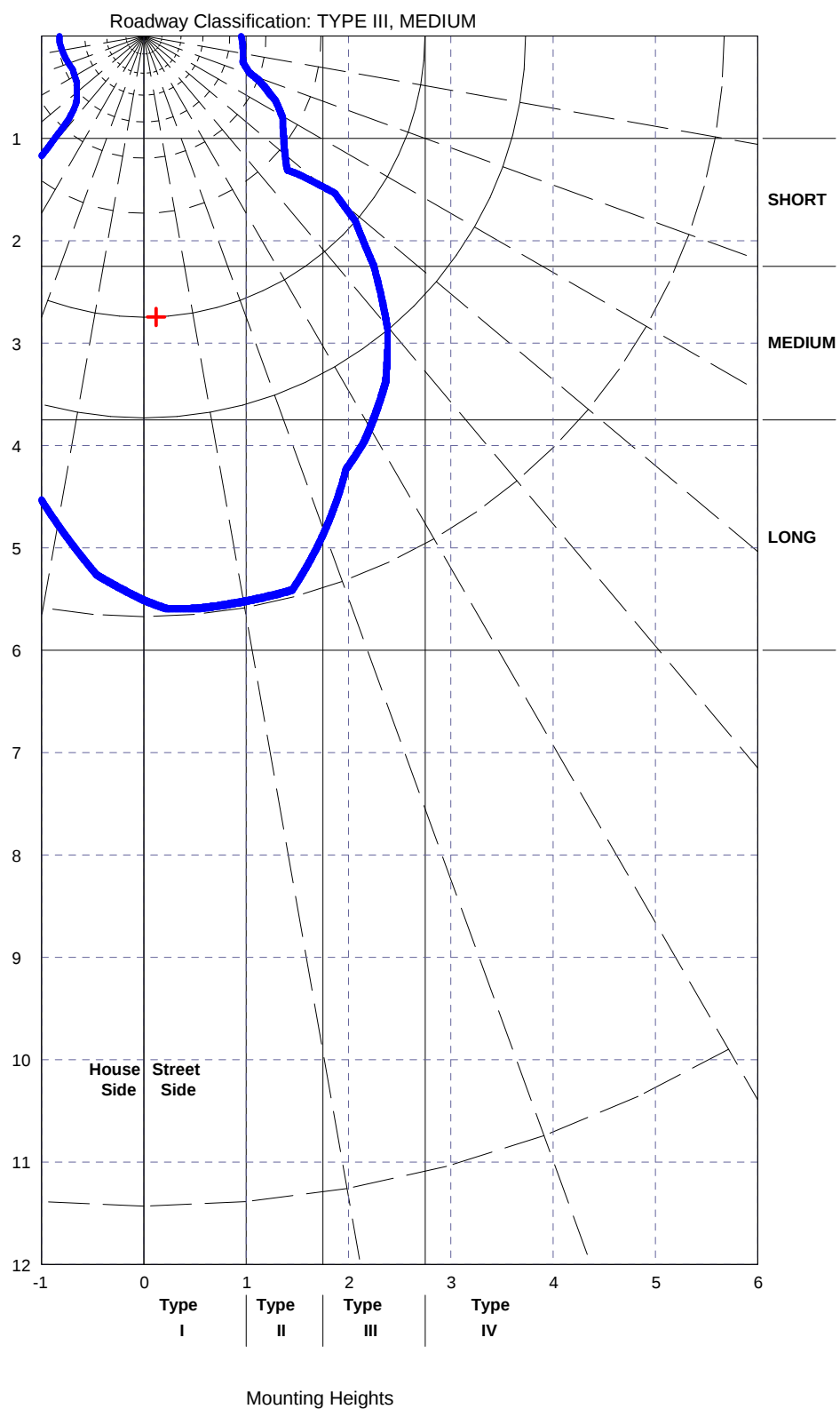
Shaded Area:
842 sq.ft.

+ = 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	775	775	775	775	775	775	775	775	775	775	775	775
2.5	784	783	784	784	784	784	783	781	780	778	777	777
5	803	803	804	802	801	800	798	795	792	787	786	784
7.5	813	813	812	811	806	805	803	801	798	791	788	787
10	818	817	813	810	803	803	803	800	794	784	782	778
12.5	829	829	819	810	804	802	804	798	782	764	760	756
15	830	828	812	802	801	795	796	794	773	751	746	742
17.5	803	804	791	782	778	781	781	782	768	753	747	742
20	776	775	766	762	755	752	759	764	759	748	744	740
22.5	747	744	743	733	720	715	726	742	743	739	734	730
25	714	717	711	701	689	693	714	733	741	734	731	727
27.5	677	679	671	670	667	684	714	743	753	746	740	733
30	629	626	626	633	644	672	708	747	766	764	755	746
32.5	577	574	581	594	620	660	699	738	771	757	749	742
35	528	530	536	555	583	632	677	716	747	737	730	725
37.5	494	494	502	520	550	600	651	692	717	719	711	703
40	468	468	474	490	530	576	621	665	698	710	701	692
42.5	438	441	448	465	506	553	603	652	693	700	696	685
45	414	420	428	450	486	535	595	650	686	689	683	675
47.5	401	406	417	442	476	528	592	639	678	678	674	665
50	396	400	414	437	470	524	586	629	671	679	673	663
52.5	393	394	409	431	466	516	578	614	657	680	678	672
55	385	387	403	424	456	502	562	599	633	688	689	682
57.5	373	376	393	411	442	483	538	580	624	699	700	694
60	352	357	376	382	418	454	508	546	606	693	691	683
62.5	331	337	349	357	392	436	494	528	591	697	667	647
65	314	318	328	341	390	453	516	556	587	700	688	720
67.5	297	299	310	330	397	466	536	596	625	805	829	847
70	283	281	283	320	383	455	530	603	730	852	855	851
72.5	267	259	254	296	349	428	514	578	764	786	779	774
75	245	235	229	263	312	385	465	522	676	670	665	658
77.5	226	209	196	209	262	323	396	444	552	545	547	532
80	184	166	153	154	201	249	303	343	421	423	422	414
82.5	121	113	100	103	135	170	208	236	296	294	289	288
85	67	60	56	56	80	106	125	144	175	168	166	165
87.5	26	24	24	26	41	56	67	76	93	86	88	91
90	12	12	13	17	25	36	45	52	66	59	59	62
92.5	9	10	10	13	19	28	36	40	47	43	44	47
95	9	10	9	10	14	23	29	35	36	35	37	39
97.5	9	9	8	11	13	19	27	34	32	30	30	31
100	8	8	7	10	13	23	31	38	36	35	35	35
102.5	6	6	6	10	12	26	36	43	42	41	41	40
105	6	5	6	9	11	26	39	46	45	46	45	45
107.5	5	5	6	8	11	26	39	47	46	50	51	52
110	4	4	5	7	11	24	37	46	46	52	52	52
112.5	3	3	5	6	11	24	35	47	48	49	49	48
115	3	3	5	6	11	24	31	44	47	48	47	46
117.5	2	2	4	7	13	22	29	40	45	45	44	43
120	2	2	4	9	13	18	27	37	42	43	43	41
122.5	2	2	3	8	10	17	25	32	37	38	37	35
125	1	1	3	8	9	18	25	30	31	33	32	31
127.5	1	1	3	7	10	18	23	25	25	27	27	26
130	1	1	2	5	10	16	20	21	20	22	22	21
132.5	1	1	2	4	9	14	16	17	15	17	17	17
135	1	1	2	4	8	11	13	15	14	15	14	14
137.5	0	1	1	3	6	8	10	13	14	13	12	12
140	0	0	1	2	4	6	8	11	12	11	11	11
142.5	0	1	1	1	3	4	7	9	9	9	9	9
145	1	1	1	1	2	2	5	7	7	7	7	7
147.5	0	0	0	0	0	1	2	4	4	5	5	5
150	1	1	1	1	0	0	1	2	2	3	3	3
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	775	775	775	775	775	775	775	775	775	775
2.5	775	773	771	769	767	766	766	766	766	767
5	782	775	769	765	761	757	754	757	756	757
7.5	782	773	765	759	752	750	749	749	749	749
10	774	764	757	751	746	747	745	740	736	737
12.5	752	748	748	748	746	747	743	738	732	731
15	736	736	739	744	743	744	744	741	737	735
17.5	733	727	727	728	730	733	733	730	726	724
20	728	711	702	699	703	701	703	702	699	700
22.5	720	689	666	654	654	656	656	661	666	667
25	713	675	639	612	602	604	609	615	624	625
27.5	717	683	627	581	556	557	564	576	580	580
30	724	684	624	564	528	523	525	543	546	546
32.5	726	674	613	555	513	494	492	505	516	517
35	710	662	598	541	496	466	460	472	483	482
37.5	691	654	591	523	476	438	428	441	452	450
40	676	631	573	511	452	413	397	409	422	422
42.5	668	620	556	497	432	386	366	374	389	393
45	658	610	546	485	417	366	340	336	350	351
47.5	647	597	536	472	409	358	322	321	330	330
50	644	589	527	464	408	363	320	319	321	320
52.5	653	588	525	465	404	361	322	320	312	308
55	663	591	531	462	401	357	329	318	303	299
57.5	663	588	532	462	399	351	336	312	295	290
60	658	583	523	454	393	345	342	311	285	281
62.5	650	623	512	436	379	336	336	304	279	276
65	774	693	514	404	355	318	314	287	273	272
67.5	848	736	502	366	323	293	280	265	265	269
70	833	714	471	317	286	260	242	236	245	250
72.5	744	633	418	270	236	219	195	195	204	208
75	632	534	354	224	188	176	152	153	160	165
77.5	510	419	273	171	145	131	117	114	119	128
80	394	314	202	130	108	91	86	80	83	89
82.5	268	219	143	93	72	56	54	47	45	47
85	162	141	96	67	45	33	33	22	17	18
87.5	96	94	67	52	32	24	23	9	7	7
90	66	66	52	43	27	19	15	5	4	4
92.5	49	44	37	34	19	10	6	4	3	3
95	41	31	25	22	9	4	4	3	3	2
97.5	32	22	12	12	5	4	3	2	2	2
100	33	21	10	7	3	3	3	2	2	2
102.5	38	23	12	5	3	3	3	2	1	1
105	42	25	12	5	3	4	3	2	1	1
107.5	46	27	11	5	3	4	3	2	1	0
110	48	26	10	4	3	3	3	1	0	0
112.5	45	28	9	3	2	2	2	1	1	1
115	43	25	8	3	2	2	2	1	1	1
117.5	39	22	6	2	2	2	1	1	0	1
120	36	18	5	2	2	2	1	1	1	1
122.5	29	13	4	2	1	1	1	1	1	0
125	24	10	3	1	1	1	1	0	0	0
127.5	22	10	3	1	1	1	1	1	0	1
130	19	9	2	1	1	1	1	1	1	1
132.5	15	8	2	1	1	0	0	0	0	0
135	12	6	3	1	1	1	0	1	1	0
137.5	11	6	2	0	0	0	0	1	0	0
140	10	5	2	1	0	0	0	1	0	1
142.5	8	5	2	0	0	0	1	1	1	1
145	6	4	1	0	0	0	1	1	1	1
147.5	4	2	0	0	0	0	1	1	1	1
150	3	1	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

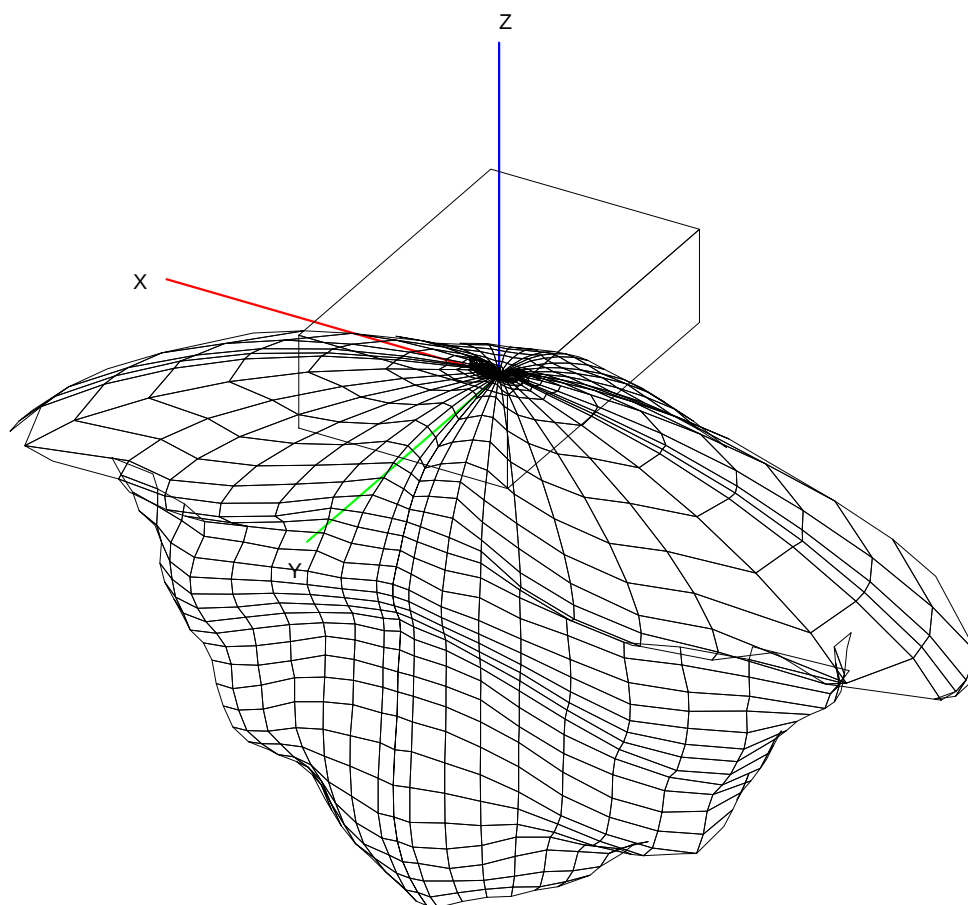
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