

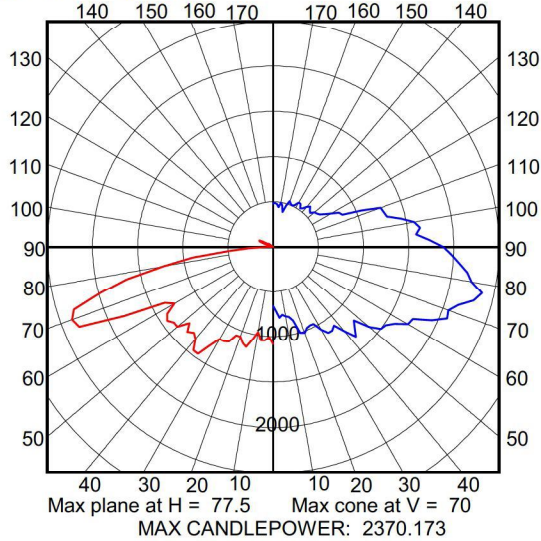
FILENAME: ECHUS-EC-120W.IES

IESNA:LM-63-2001
 [TEST]Generated by TracePro Release: 4 1 7
 [MANUFAC] FULL SPECTRUM SOLUTIONS - JACKSON, MI, USA
 [LUMINAIRE] 120W Cobra Head
 [LUMCAT] 120W Cobra
 [LAMP] 1; 120W INDUCTION
 [LAMP CAT] INDUCTION
 [MORE] \\volume_110_Projects_2009\1088LO Ledos Full Spectrum Cobra 120wTracePro\1088LO-60.OML

SUMMARY DATA

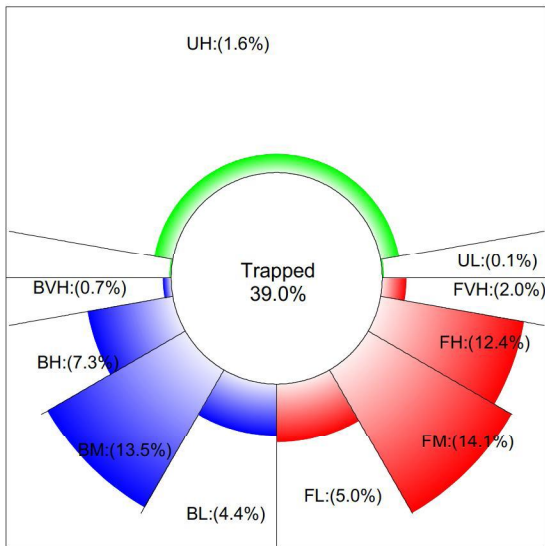
EFFICIENCY (Total): 61.0 %
 EFFICIENCY (Down / Up): 59.3 % / 1.7 %
 EFFICIENCY (Street / House): 34.6 % / 26.4 %
 ROADWAY CLASSIFICATION: TYPE III, MEDIUM
 CUTOFF CLASSIFICATION: SEMICUTOFF
 LUMENS/LAMP: 10200
 NO. OF LAMPS: 1
 LUMINOUS OPENING: RECTANGULAR
 Width: 1.08 (Feet)
 Length: 1.92
 Height: 0.00
 INPUT WATTS: 134

PLANE & CONE DIAGRAM

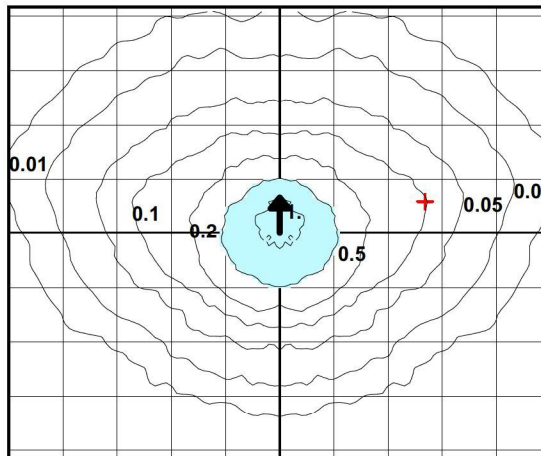


**LUMINAIRE CLASSIFICATION SYSTEM
 (BUG RATING = B2-U3-G2)**

FORWARD LIGHT	Lumens (% of Lamp Lumens)	
FL (0-30):	507	(5.0%)
FM (30-60):	1435	(14.1%)
FH (60-80):	1261	(12.4%)
FVH(80-90):	207	(2.0%)
BACKLIGHT		
BL (0-30):	446	(4.4%)
BM (30-60):	1379	(13.5%)
BH (60-80):	749	(7.3%)
BVH(80-90):	70	(0.7%)
UPLIGHT		
UL (90-100):	11	(0.1%)
UH (100-180):	159	(1.6%)
TRAPPED LIGHT:	3975	(39.0%)



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:
2969 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.

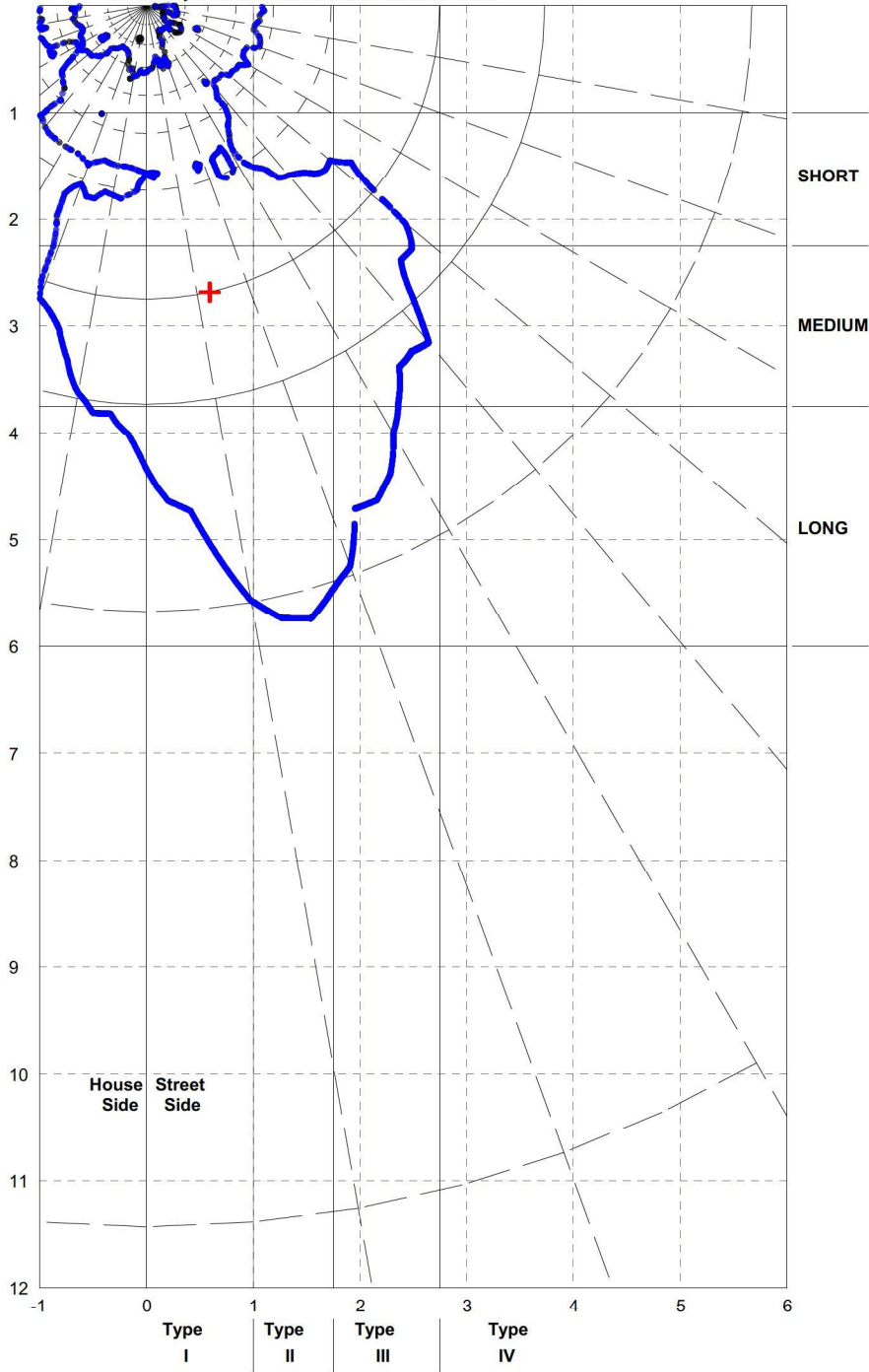
Photometric Report

CATALOG NUMBER: 120W Cobra

Monday, October 12, 2009

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Roadway Classification: TYPE III, MEDIUM



Mounting Heights

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Photometric Viewer v3.4

Vertical Horizontal Angles

Angle	180
0	1085
2.5	1027
5	1023
7.5	1046
10	1064
12.5	981
15	1046
17.5	1021
20	978
22.5	1042
25	1064
27.5	1079
30	1078
32.5	1218
35	1212
37.5	1257
40	1422
42.5	1467
45	1160
47.5	1090
50	954
52.5	808
55	773
57.5	725
60	706
62.5	611
65	603
67.5	518
70	480
72.5	434
75	347
77.5	287
80	207
82.5	179
85	52
87.5	9
90	1
92.5	0
95	2
97.5	2
100	4
102.5	13
105	9
107.5	9
110	10
112.5	6
115	17
117.5	25
120	32
122.5	26
125	30
127.5	29
130	24
132.5	14
135	8
137.5	3
140	1
142.5	0
145	0
147.5	0
150	0
152.5	0
155	0
157.5	0
160	0
162.5	0
165	0
167.5	0
170	0
172.5	0
175	0
177.5	0
180	0

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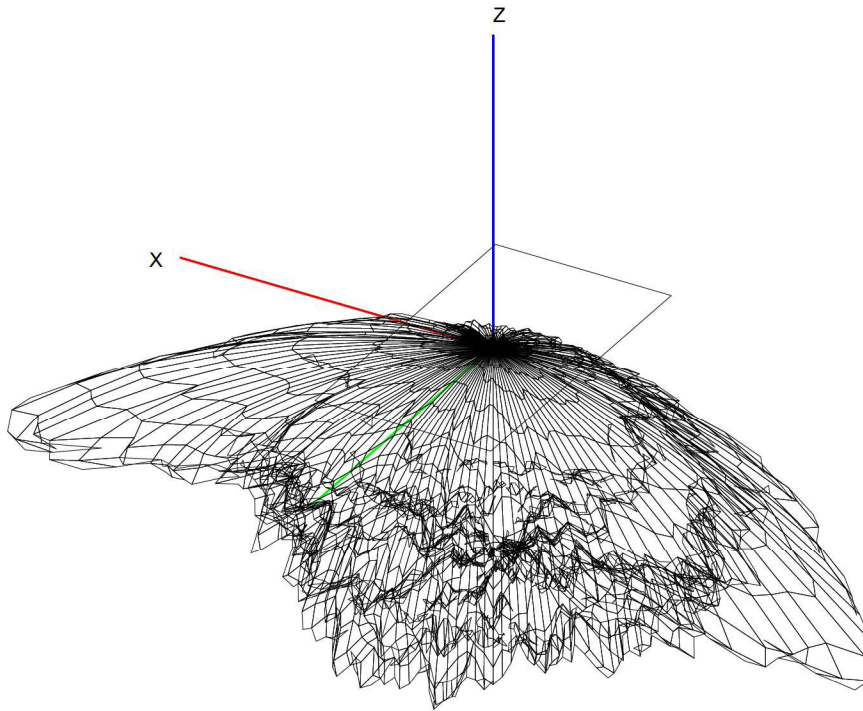
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Photometric Viewer v3.4