Photometric Report

CATALOG NUMBER: ECH-EC-70W Monday, October 12, 2009

FILENAME: ECH-EC-70W.IES

ECH-EC-70W
IESNA:LM-63-2001
[TEST] UM-TCAUP_ESLL
[MANUFAC] FULL SPECTRUM SOLUTIONS - JACKSON, MI, USA
[LUMINAIRE] 70W COBRA HEAD STREET
[LUMCAT] ECH-EC-70W
[LAMP] 1; 70W INDUCTION
[LAMPCAT] INDUCTION
[OTHER] HOUSING: CAST BALLAST HOUSING GLASS LENS
[MORE] REFL: ANODIZED ALUM
[MORE] LENS: TEMPERED GLASS

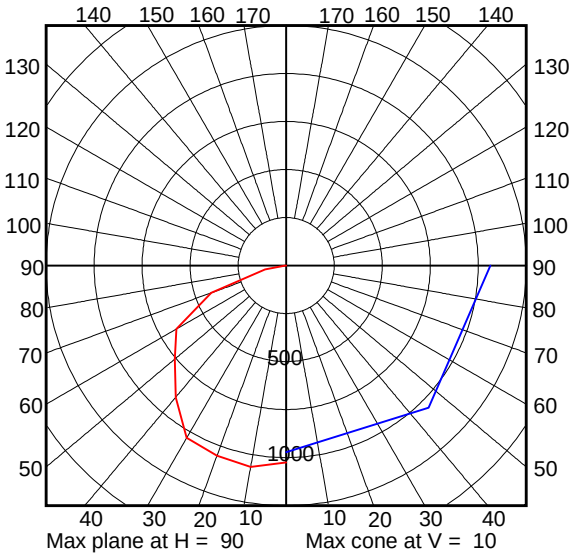
SUMMARY DATA

EFFICIENCY (Total):	56.1 %
EFFICIENCY (Down / Up):	56.0 % / 0.1 %
EFFICIENCY (Street / House):	28.0 % / 28.0 %
ROADWAY CLASSIFICATION:	TYPE II, VERY SHORT
CUTOFF CLASSIFICATION:	CUTOFF
LUMENS/LAMP:	5900
NO. OF LAMPS:	1
LUMINOUS OPENING:	RECTANGULAR
Width:	0.00 (Feet)
Length:	0.00
Height:	0.00
INPUT WATTS:	75

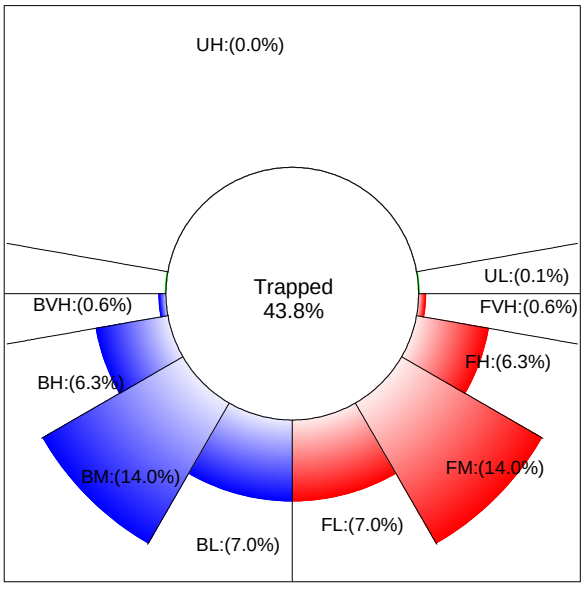
LUMINAIRE CLASSIFICATION SYSTEM
(BUG RATING = B1-U1-G1)

FORWARD LIGHT	Lumens	(% of Lamp Lumens)
FL (0-30):	415	(7.0%)
FM (30-60):	828	(14.0%)
FH (60-80):	374	(6.3%)
FVH(80-90):	37	(0.6%)
BACKLIGHT		
BL (0-30):	415	(7.0%)
BM (30-60):	828	(14.0%)
BH (60-80):	374	(6.3%)
BVH(80-90):	37	(0.6%)
UPLIGHT		
UL (90-100):	4	(0.1%)
UH (100-180):	0	(0.0%)
TRAPPED LIGHT:	2586	(43.8%)

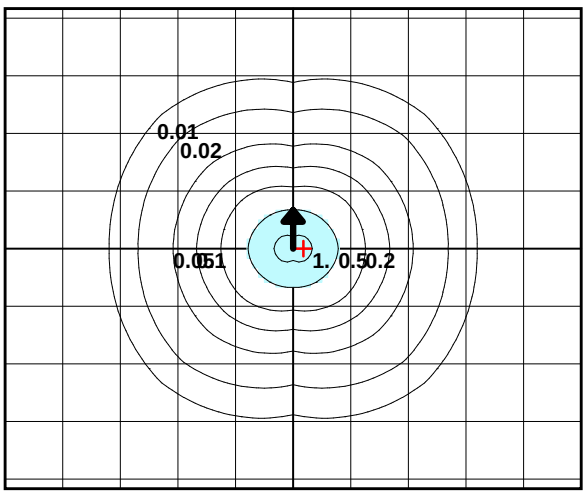
PLANE & CONE DIAGRAM



Max plane at H = 90 Max cone at V = 10
MAX CANDLEPOWER: 1064.36



ISO-ILLUMINANCE DIAGRAM (fc)



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

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:
1530 sq.ft.

+ = Point of max candela

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

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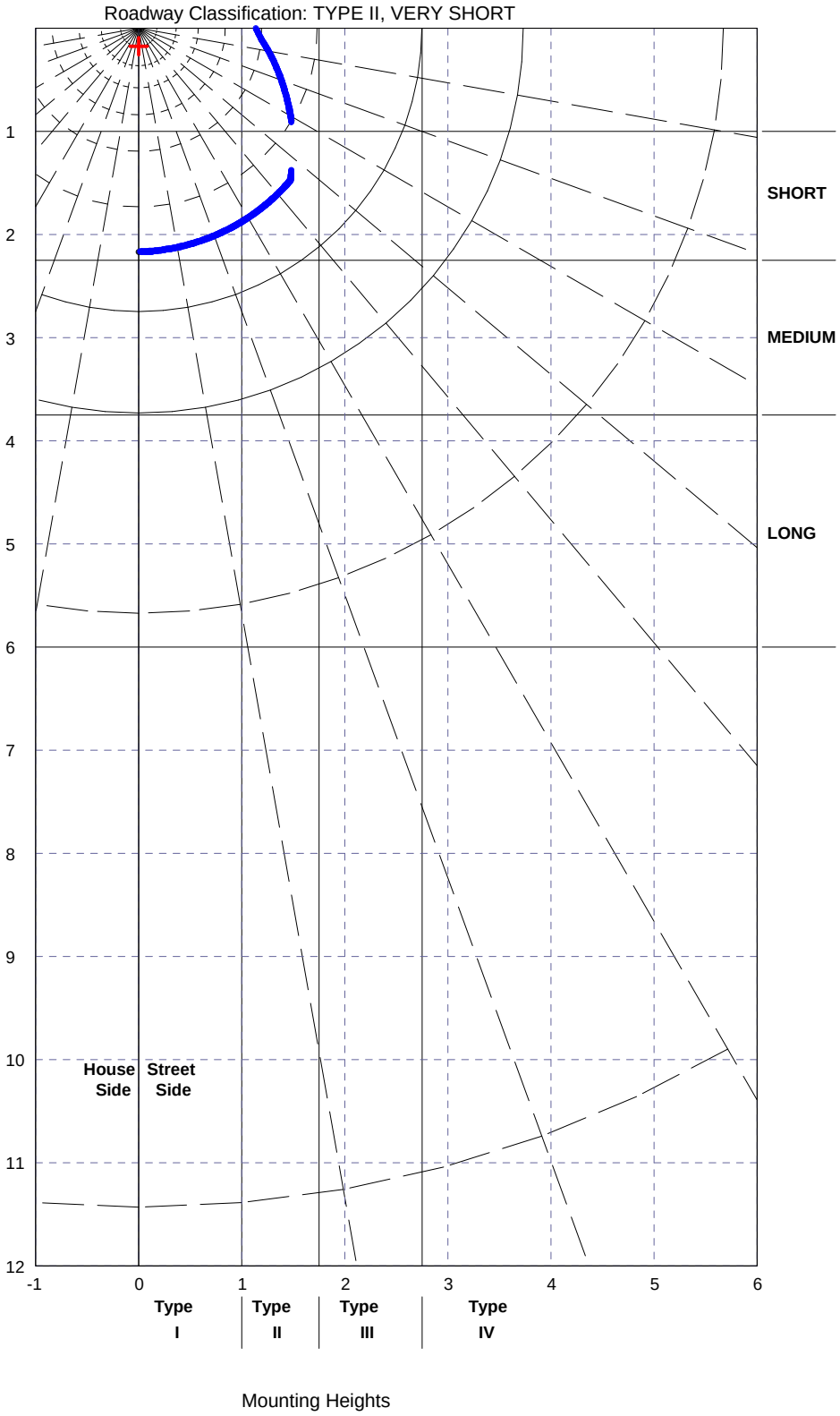

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CANDELA TABLE

Vertical Angle	Horizontal Angles 0	45	90
0	1026	1026	1026
10	973	1049	1064
20	904	1012	1054
30	848	921	1037
40	683	778	896
50	508	725	759
60	388	596	661
70	269	449	416
80	116	140	112
90	11	7	6
100	0	0	0
110	0	0	0
120	0	0	0
130	0	0	0
140	0	0	0
150	0	0	0
160	0	0	0
170	0	0	0
180	0	0	0

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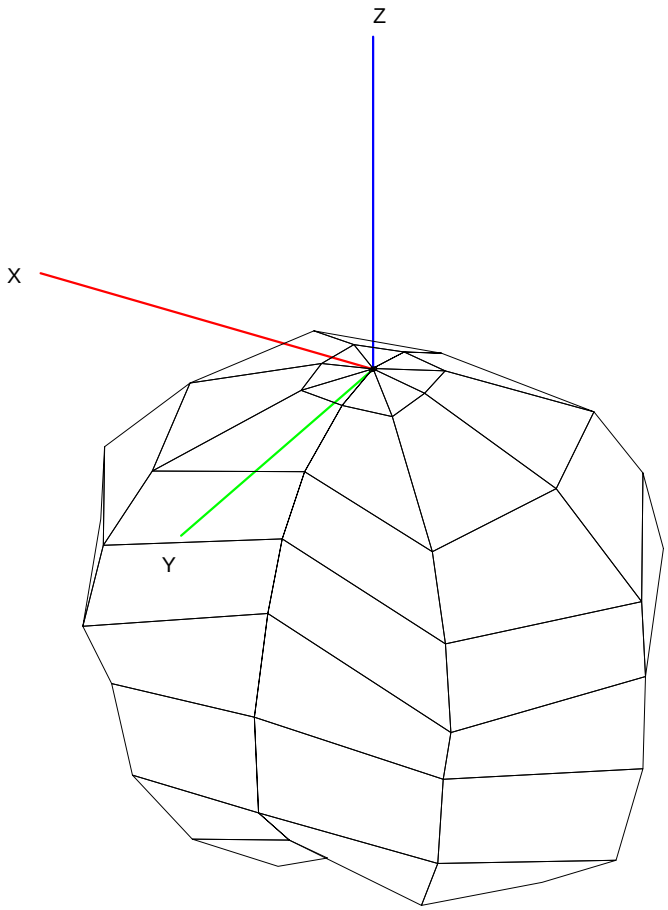

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