

# Photometric Report

Tuesday, September 15, 2010

CATALOG NUMBER: TBR-32L-5

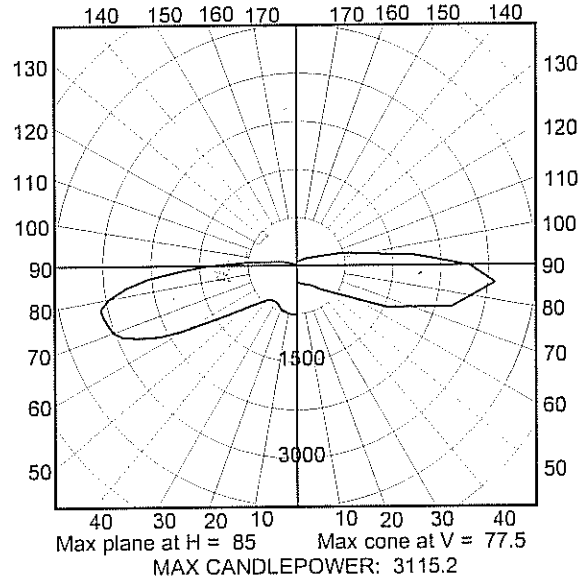
FILENAME: TBR-32L-5.IES

IESNA:LM-63-2002  
 [TEST]BALLABS TEST NO. 14556.0 (1.60) 100 lumen LED@500MA  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUEDATE] 08-APR-2009  
 [MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI  
 [LUMINAIRE] 16 REBEL LED @500ma w/50 DEGREE POLYMER OPTICS  
 [MORE] 16 REBEL LED @500ma 120 DEG DISTRIBUTION-NO LED OPTICS  
 [MORE] COBRA HEAD w ACRYLIC REFRACTOR LENS  
 [MORE] ADVANCE LED POWER SUPPLY #LED-120A-0024V-33-F  
 [LUMCAT] TBR-32L-5  
 [LAMPCAT] LXML-PWN1-0080

**SUMMARY DATA**

EFFICIENCY (Total): - 14280.1 %  
 EFFICIENCY (Down / Up): - 12969.8 % / - 1310.3 %  
 EFFICIENCY (Street / House): - 9481.2 % / - 4797.6 %  
 ROADWAY CLASSIFICATION: TYPE III, LONG  
 CUTOFF CLASSIFICATION: NONCUTOFF  
 LUMENS/LAMP: -1  
 NO. OF LAMPS: 32  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.89 (Feet)  
     Length: 1.04  
     Height: 0.35  
 INPUT WATTS: 69

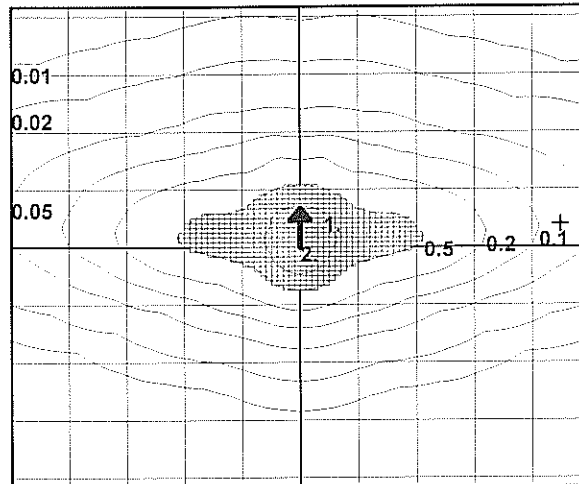
**PLANE & CONE DIAGRAM**



**LUMINAIRE CLASSIFICATION SYSTEM**

FORWARD LIGHT	Lumens (% of Lamp Lumens)	
FL (0-30):	322	-(1005.2%)
FM (30-60):	877	-(2739.4%)
FH (60-80):	1107	-(3458.0%)
FVH(80-90):	436	-(1361.8%)
<b>BACKLIGHT</b>		
BL (0-30):	257	-(801.8%)
BM (30-60):	508	-(1586.0%)
BH (60-80):	486	-(1518.8%)
BVH(80-90):	160	-(500.3%)
<b>UPLIGHT</b>		
UL (90-100):	257	-(802.2%)
UH (100-180):	162	-(506.5%)
TRAPPED LIGHT:	-4602	(14379.9%)

**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:  
1816 sq.ft.

+ = Point of max candela

Mounting Height = 20 Feet. Each box represents one mounting height.

UH:-(506.5%)		
	Trapped	UL:-(802.2%)
BVH:-(500.3%)	14379.9%	FVH:-(1361.8%)
BH:-(1518.8%)		FH:-(3458.0%)
BM:-(1586.0%)		FM:-(2739.4%)
BL:-(801.8%)	FL:-(1005.2%)	

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