

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : GA1607S-40.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] F0710068B1  
[TESTLAB]  
[ISSUE DATE] 19 Feb 2008  
[TEST DATE] 29 OCT 2007  
[MANUFAC] XLEDS USA  
[LUMCAT] GA1607S-40  
[LUMINAIRE] MR16 TYPE LAMP WITH 8 LED ARRAY  
[LAMP CAT] 8 White LEDs IN MR16 TYPE LAMP W/GU5.3 BASE  
[LAMP] LED(10 lm/ea) TOTAL LUMENS=296

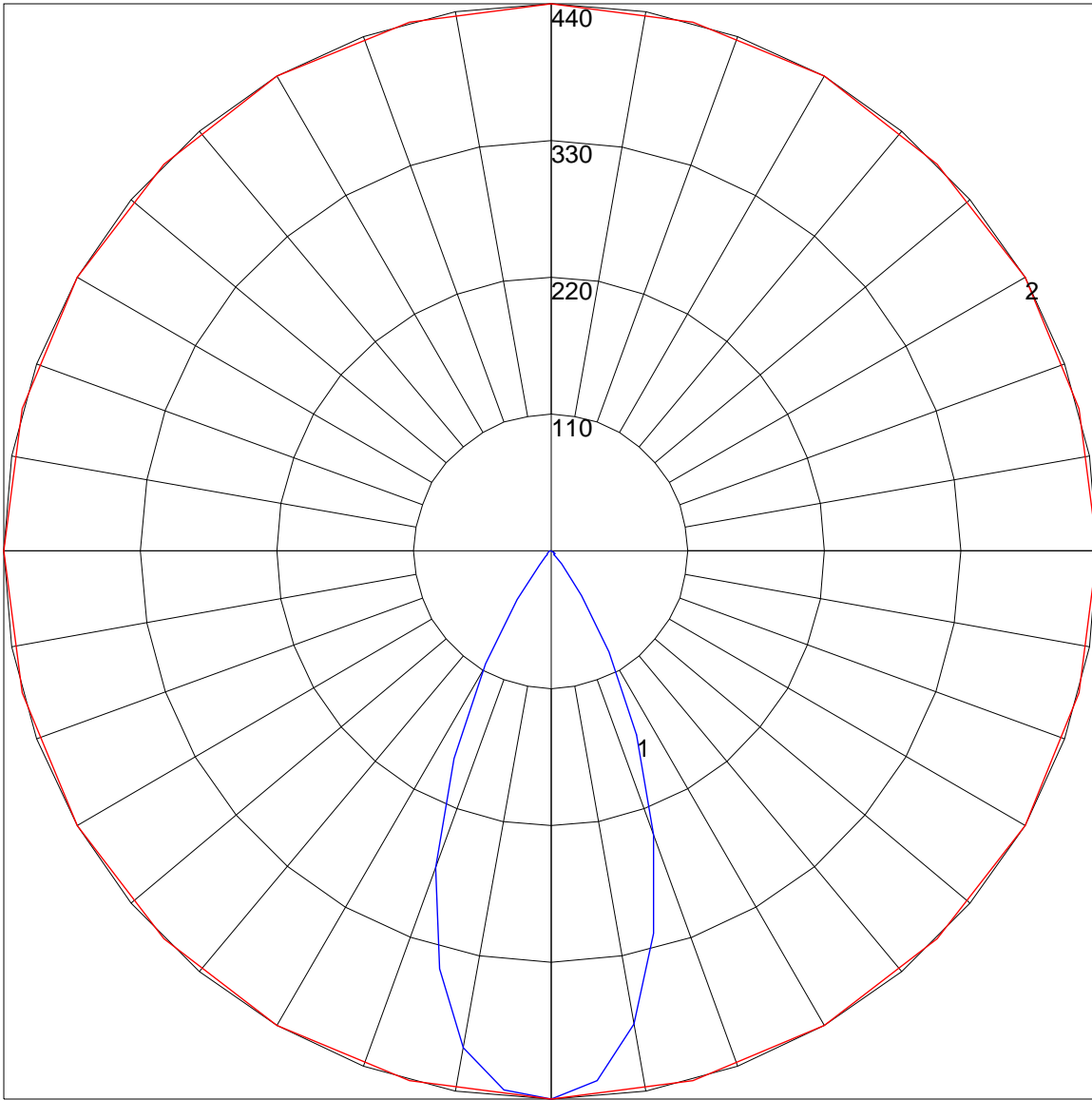
**CHARACTERISTICS**

IES Classification	Type I
Longitudinal Classification	Very Short
Cutoff Classification (deprecated)	Cutoff
Total Rated Lamp Lumens	296
Maximum Candela	440.46
Maximum Candela Angle	0H 0V
Maximum Candela At 90 Degrees Vertical	.68 (0.2% Lamp Lms)
Maximum Candela from 80 to <90 Degrees Vertical	1.66 (0.6% Lamp Lms)
Downward Total Efficiency	86.8%
Total Luminaire Watts	8
Ballast Factor	1.00

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

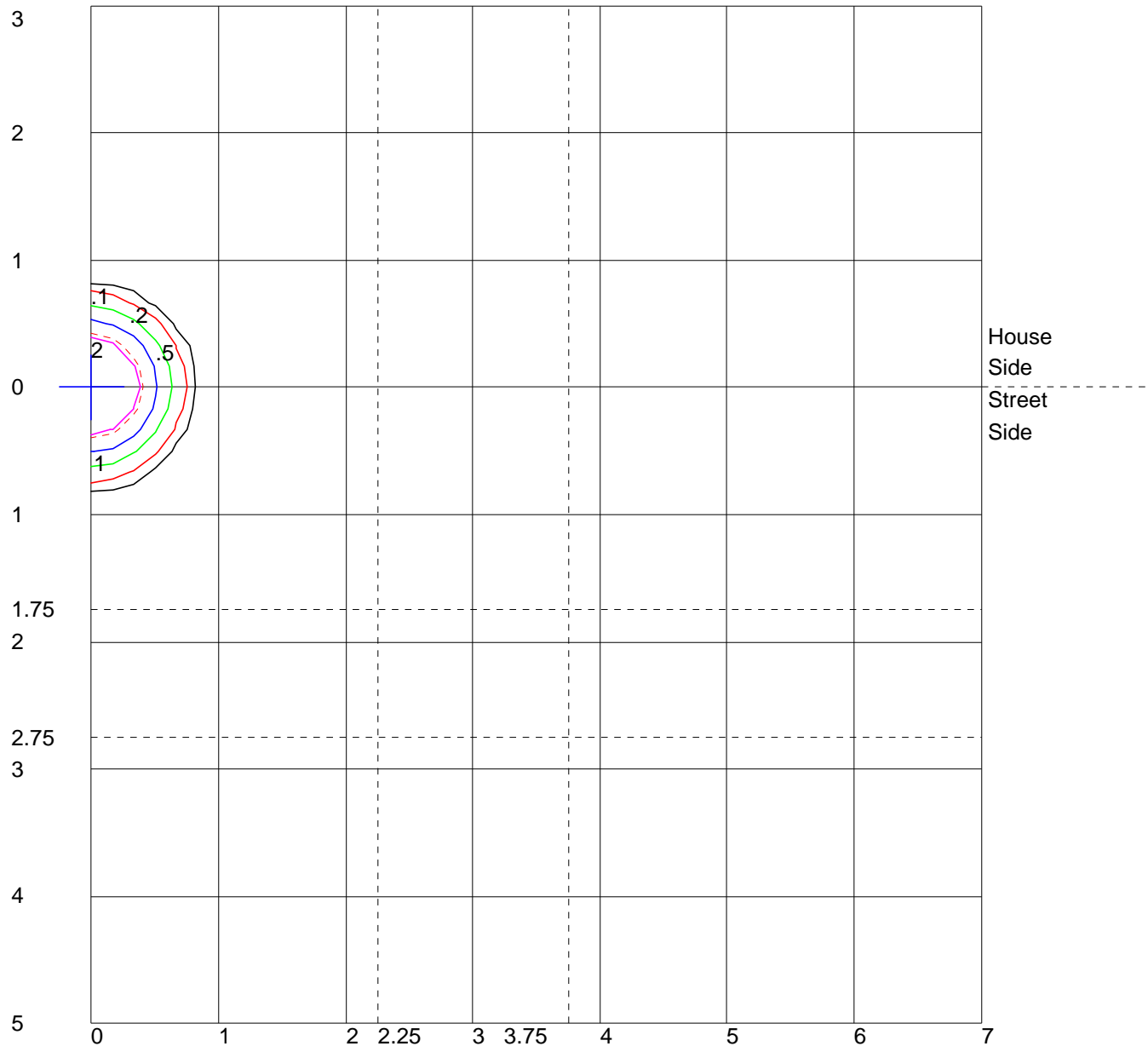
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	102.7	34.7	40.0
FM - Front-Medium (30-60)	19.5	6.6	7.6
FH - Front-High (60-80)	2.2	0.8	0.9
FVH - Front-Very High (80-90)	0.5	0.2	0.2
BL - Back-Low (0-30)	108.4	36.6	42.2
BM - Back-Medium (30-60)	20.8	7.0	8.1
BH - Back-High (60-80)	2.3	0.8	0.9
BVH - Back-Very High (80-90)	0.6	0.2	0.2
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	257.0	86.9	100.0

POLAR GRAPH



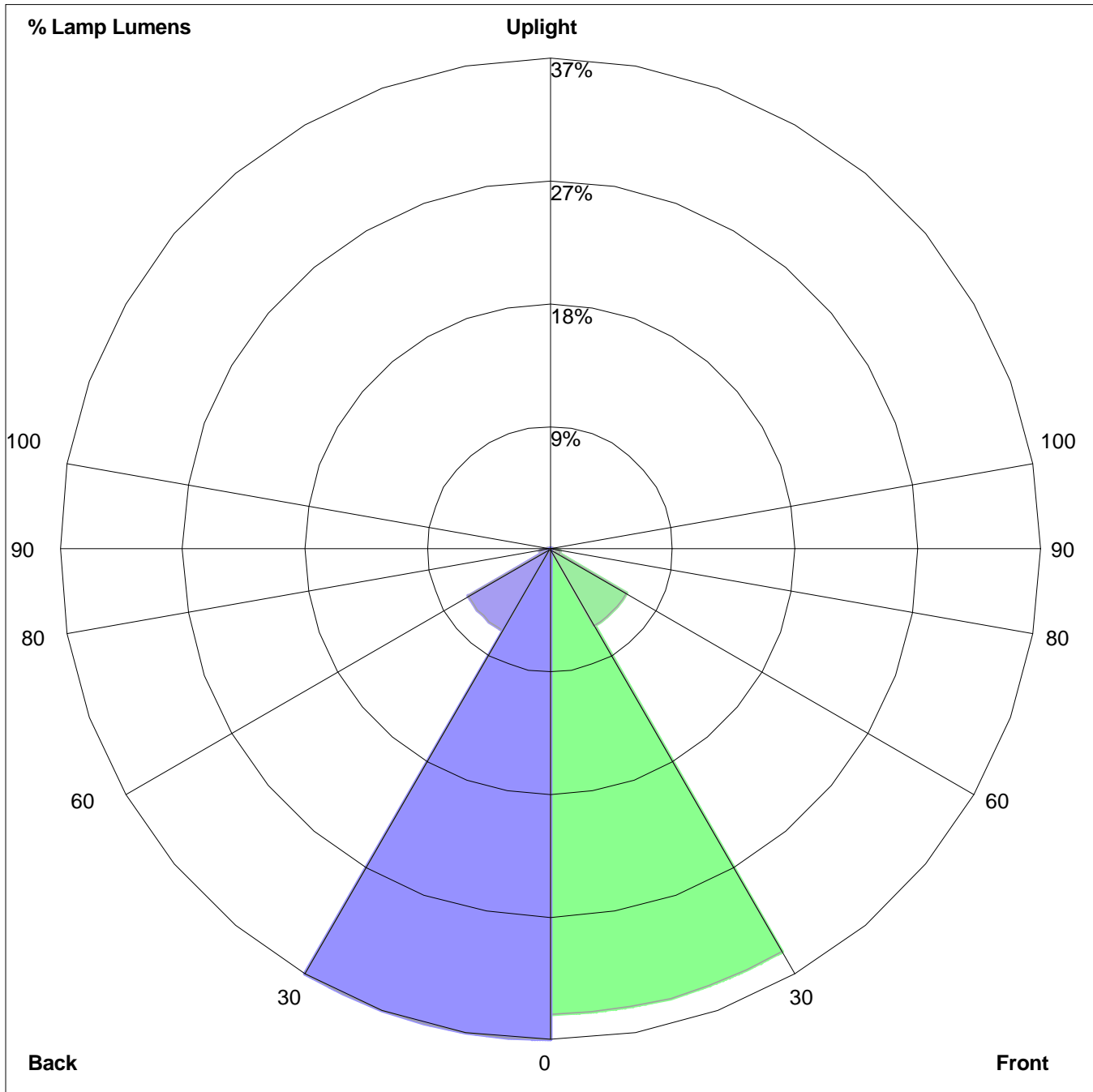
Maximum Candela = 440.46 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 10 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Percent Lamp Lumens:  
Front: Low=34.7%, Medium=6.6%, High=0.8%, Very High=0.2%  
Back: Low=36.6%, Medium=7.0%, High=0.8%, Very High=0.2%  
Uplight: Low=0.0%, High=0.0%