



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : LLI090609B.IES**

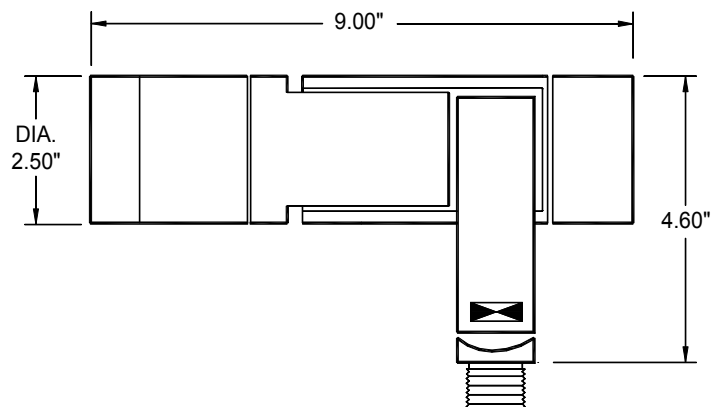
**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LLI 0906-09B  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUEDATE] 9/20/2006  
[MANUFAC] HK LIGHTING GROUP  
[LUMCAT] ZX18I-CMH-T4-20MH-MEDIUM  
[LUMINAIRE] 2.5"DIA. X 9"L. X 4.6"H. ACCENT & AREA LUMINAIRE  
[MORE] SPUN ALUMINUM MEDIUM BEAM SPREAD REFLECTOR  
[MORE] TEMPERED GLASS LENS  
[BALLASTCAT] GE ULTRAMAX-HID GEMH20MLF120  
[BALLAST] 120V 50/60Hz ELECTRONIC  
[LAMPPOSITION] 0,0  
[LAMPCAT] GE CMH20/T/UVC/830/GU6.5  
[\_LAMPLUM] 1615  
[\_INPUT] 120VAC, 22.69W

Note: Candela values converted from Type-C to Type-B

**CHARACTERISTICS**

IES NEMA Type	3 H x 3 V
Maximum Candela	3373
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	16.8
Vertical Beam Angle (50%)	16.8
Horizontal Field Angle (10%)	38.3
Vertical Field Angle (10%)	38.3
Total Rated Lamp Lumens	1615
Beam Lumens	159.50
Beam Efficiency	9.88%
Field Lumens	394.91
Field Efficiency	24.45%
Total Lumens	513.86
Total Efficiency	31.82%



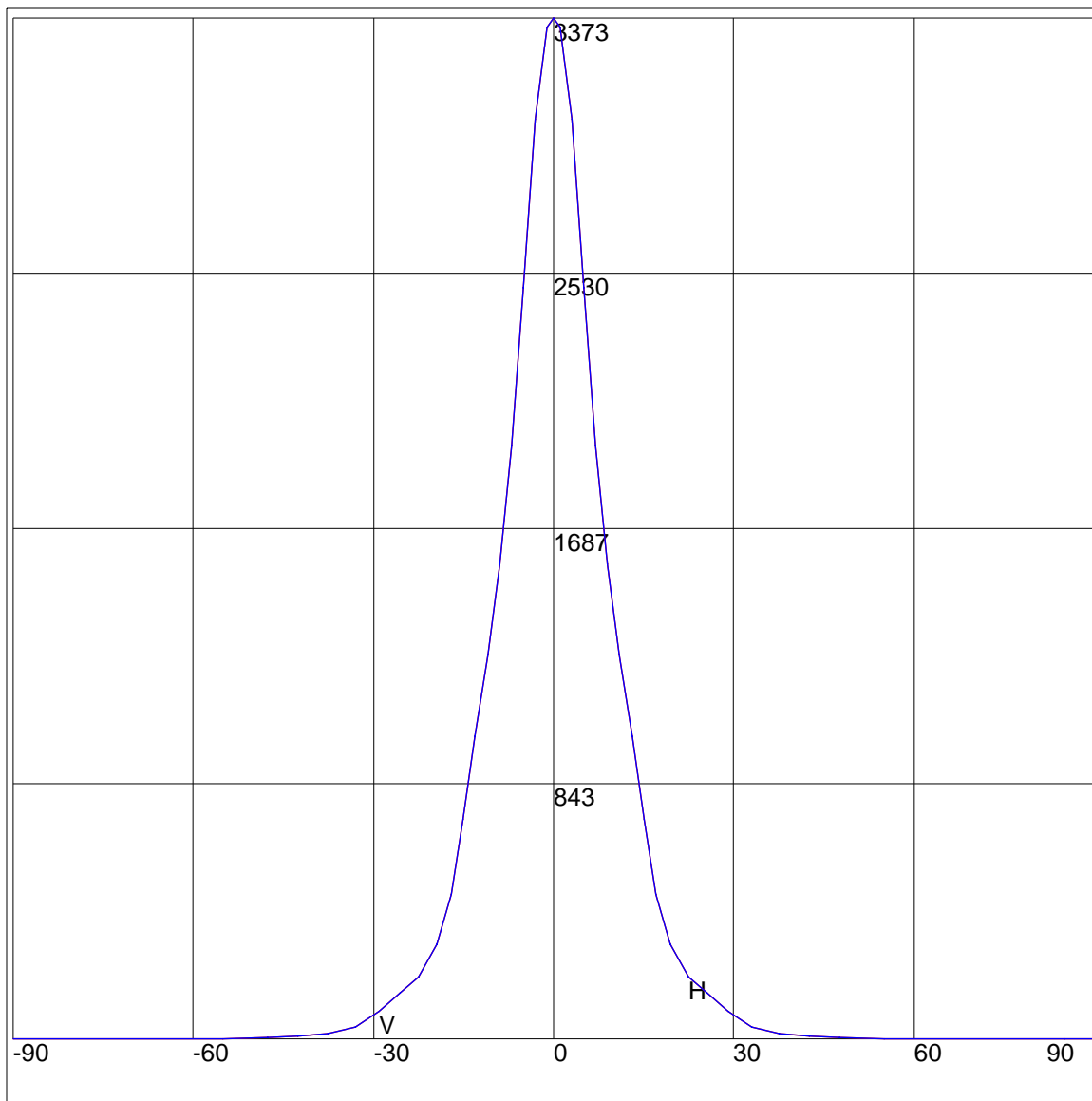
NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.  
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL  
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY  
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.  
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	1
75	1	75	1
65	2	65	2
55	4	55	4
47.5	7	47.5	7
42.5	11	42.5	11
37.5	19	37.5	19
33	41	33	41
29	93	29	93
25.5	152	25.5	152
22.5	206	22.5	206
19.5	313	19.5	313
17	482	17	482
15	727	15	727
13	1000	13	1000
11	1271	11	1271
9	1570	9	1570
7	1961	7	1961
5	2483	5	2483
3	3038	3	3038
1	3342	1	3342
0	3373	0	3373
-1	3342	-1	3342
-3	3038	-3	3038
-5	2483	-5	2483
-7	1961	-7	1961
-9	1570	-9	1570
-11	1271	-11	1271
-13	1000	-13	1000
-15	727	-15	727
-17	482	-17	482
-19.5	313	-19.5	313
-22.5	206	-22.5	206
-25.5	152	-25.5	152
-29	93	-29	93
-33	41	-33	41
-37.5	19	-37.5	19
-42.5	11	-42.5	11
-47.5	7	-47.5	7
-55	4	-55	4
-65	2	-65	2
-75	1	-75	1
-85	1	-85	1
-90	0	-90	0

AXIAL CANDELA DISPLAY

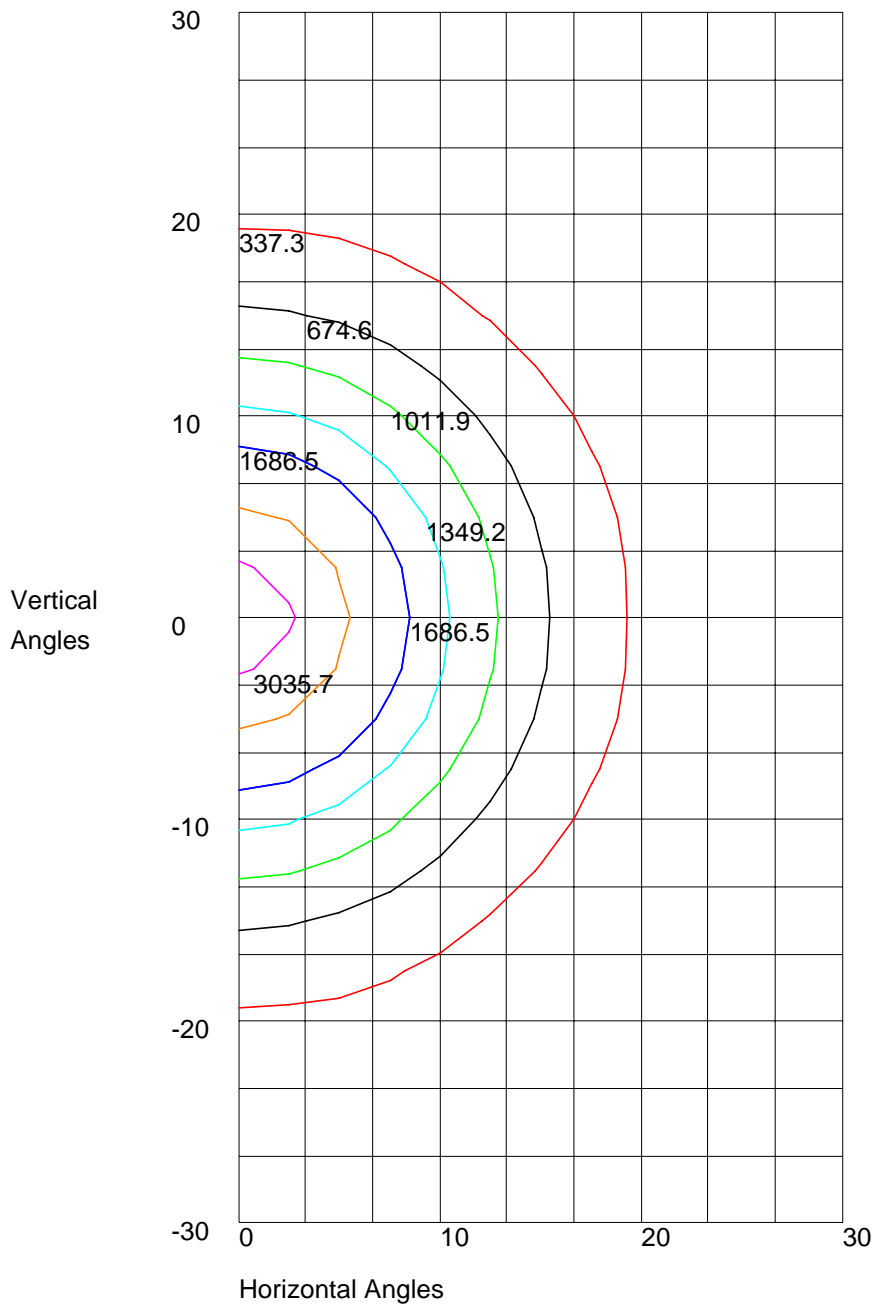


Maximum Candela = 3373 Located At Horizontal Angle = 0, Vertical Angle = 0

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3373 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 1686.5  
10% Maximum Candela = 337.3