



IES FLOOD REPORT
PHOTOMETRIC FILENAME : LLI090609A.IES

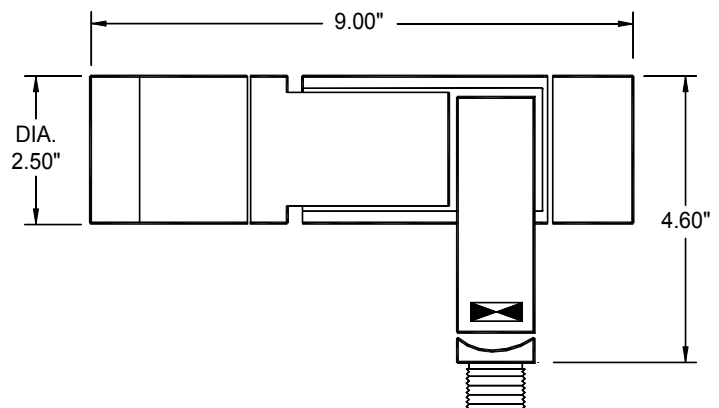
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0906-09A
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 9/20/2006
[MANUFAC] HK LIGHTING GROUP
[LUMCAT] ZX18I-CMH-T4-20MH-NARROW
[LUMINAIRE] 2.5"DIA. X 9"L. X 4.6"H. ACCENT & AREA LUMINAIRE
[MORE] SPUN ALUMINUM NARROW 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, 22.70W

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

CHARACTERISTICS

IES NEMA Type	2 H x 2 V
Maximum Candela	9319
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	8.5
Vertical Beam Angle (50%)	8.5
Horizontal Field Angle (10%)	24.8
Vertical Field Angle (10%)	24.8
Total Rated Lamp Lumens	1615
Beam Lumens	98.74
Beam Efficiency	6.11%
Field Lumens	351.03
Field Efficiency	21.74%
Total Lumens	627.57
Total Efficiency	38.86%



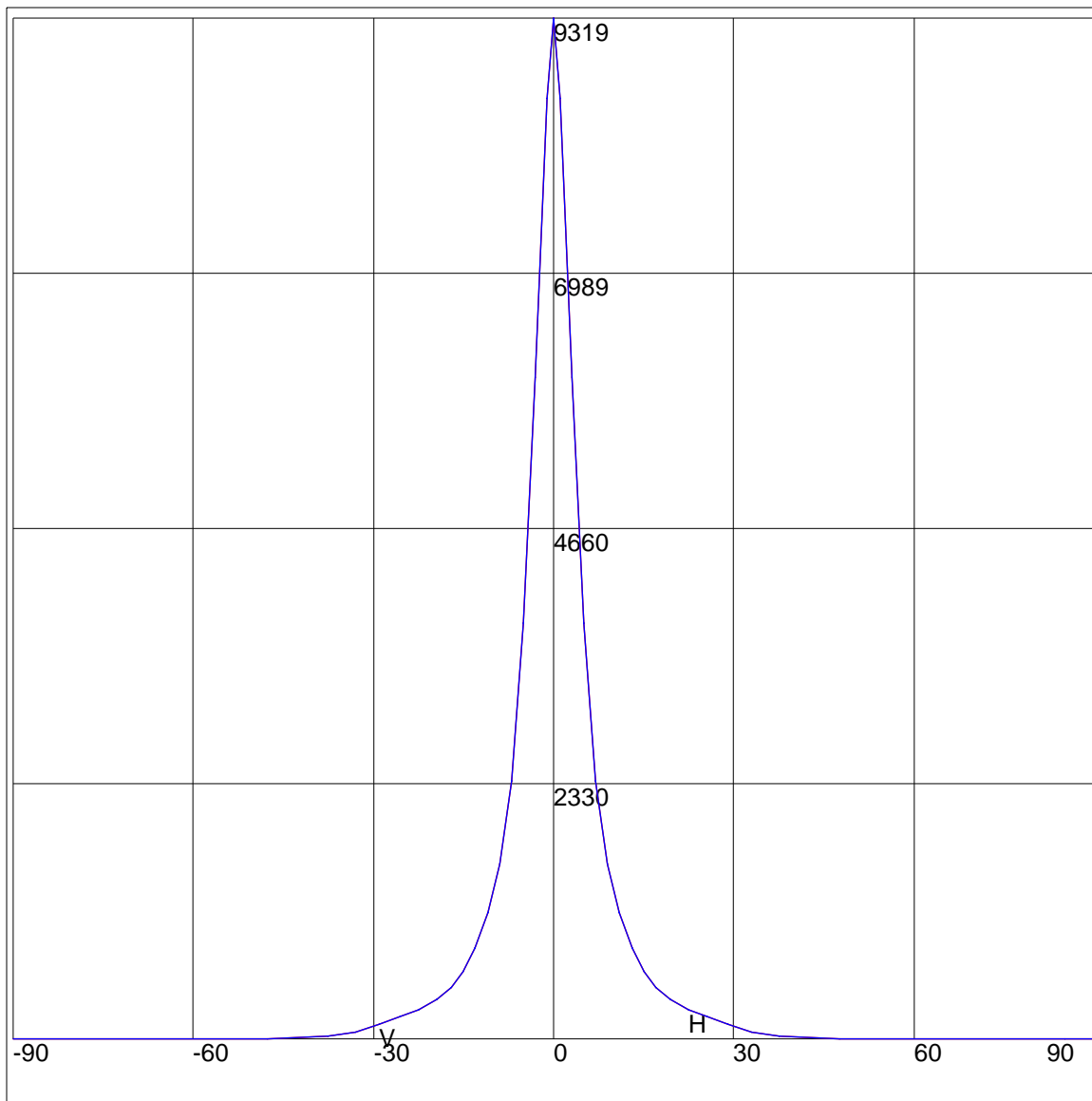
NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.

IES FLOOD REPORT
 PHOTOMETRIC FILENAME : LLI090609A.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	1
75	1	75	1
65	1	65	1
55	3	55	3
47.5	8	47.5	8
42.5	13	42.5	13
37.5	25	37.5	25
33	64	33	64
29	139	29	139
25.5	214	25.5	214
22.5	269	22.5	269
19.5	360	19.5	360
17	479	17	479
15	617	15	617
13	832	13	832
11	1160	11	1160
9	1605	9	1605
7	2353	7	2353
5	3797	5	3797
3	6037	3	6037
1	8590	1	8590
0	9319	0	9319
-1	8590	-1	8590
-3	6037	-3	6037
-5	3797	-5	3797
-7	2353	-7	2353
-9	1605	-9	1605
-11	1160	-11	1160
-13	832	-13	832
-15	617	-15	617
-17	479	-17	479
-19.5	360	-19.5	360
-22.5	269	-22.5	269
-25.5	214	-25.5	214
-29	139	-29	139
-33	64	-33	64
-37.5	25	-37.5	25
-42.5	13	-42.5	13
-47.5	8	-47.5	8
-55	3	-55	3
-65	1	-65	1
-75	1	-75	1
-85	1	-85	1
-90	0	-90	0

AXIAL CANDELA DISPLAY

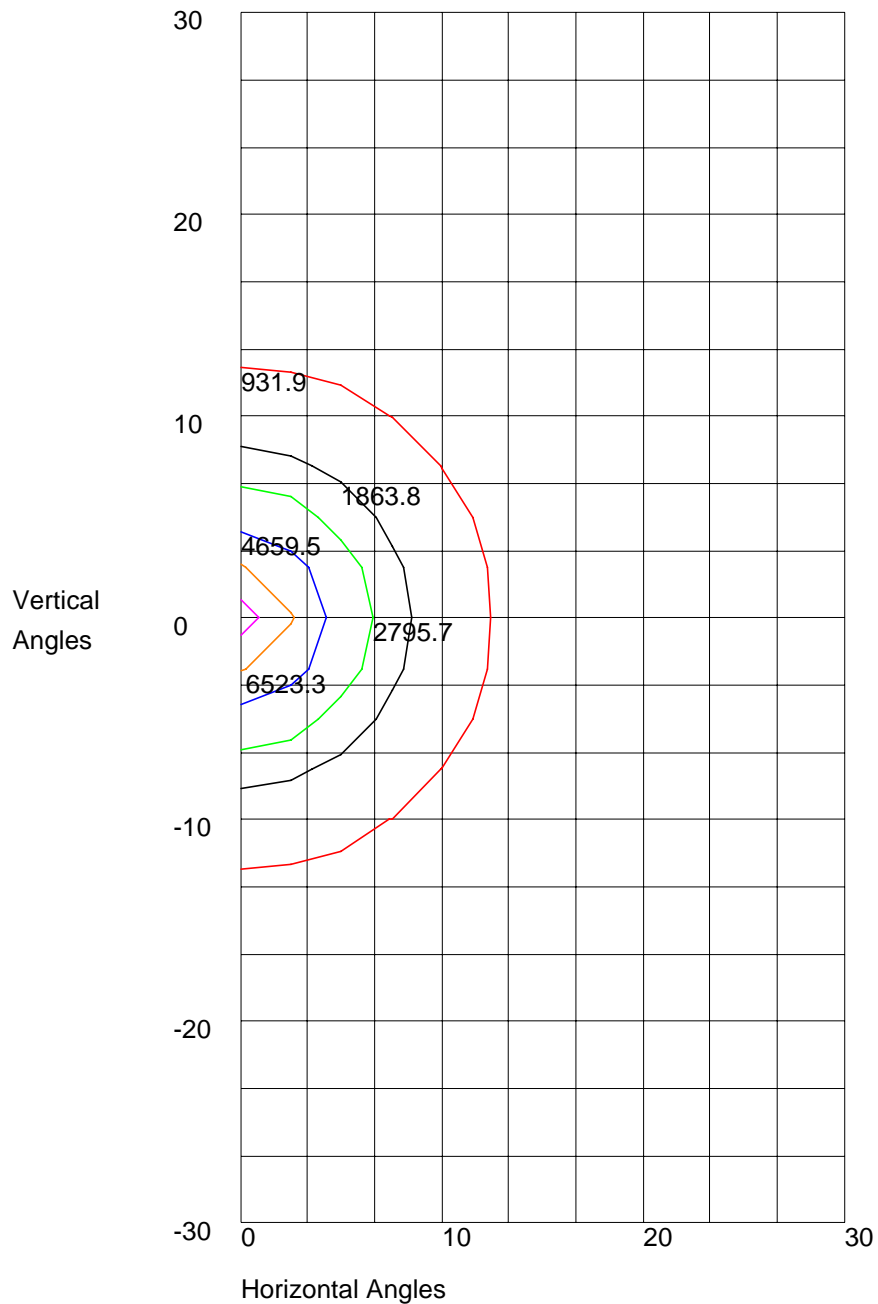


Maximum Candela = 9319 Located At Horizontal Angle = 0, Vertical Angle = 0

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 9319 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 4659.5
10% Maximum Candela = 931.9