



IES FLOOD REPORT
PHOTOMETRIC FILENAME : LLI010709A.IES

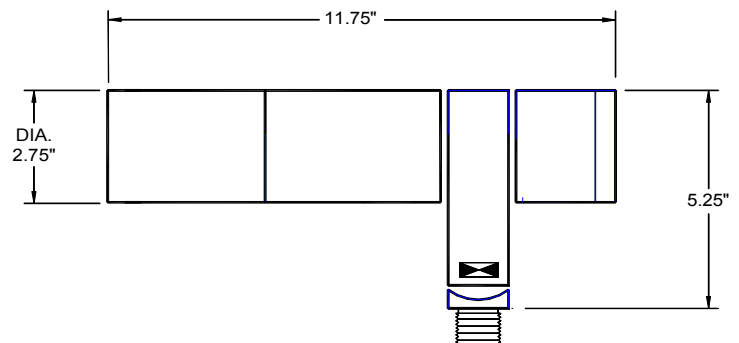
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0107-09A
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 1/17/2007
[MANUFAC] HK LIGHTING GROUP
[LUMCAT] ZX20i-T439-NARROW
[LUMINAIRE] 2-3/4"DIA. X 11-3/4"L. X 5-1/4"H. ACCENT & AREA LUMINAIRE
[MORE] SPUN ALUMINUM NARROW BEAM SPREAD REFLECTOR
[MORE] TEMPERED GLASS LENS
[BALLASTCAT] ADVANCE RMH-39-K-LF
[BALLAST] 120V 50/60Hz ELECTRONIC
[LAMPPOSITION] 0,0
[LAMPCAT] PHILIPS CDM35/T6/830
[_LAMPLUM] 3300
[_INPUT] 120VAC, 44.01W

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

CHARACTERISTICS

IES NEMA Type	3 H x 3 V
Maximum Candela	4505
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	22.9
Vertical Beam Angle (50%)	22.9
Horizontal Field Angle (10%)	41.6
Vertical Field Angle (10%)	41.6
Total Rated Lamp Lumens	3300
Beam Lumens	429.47
Beam Efficiency	13.01%
Field Lumens	733.71
Field Efficiency	22.23%
Total Lumens	936.05
Total Efficiency	28.37%



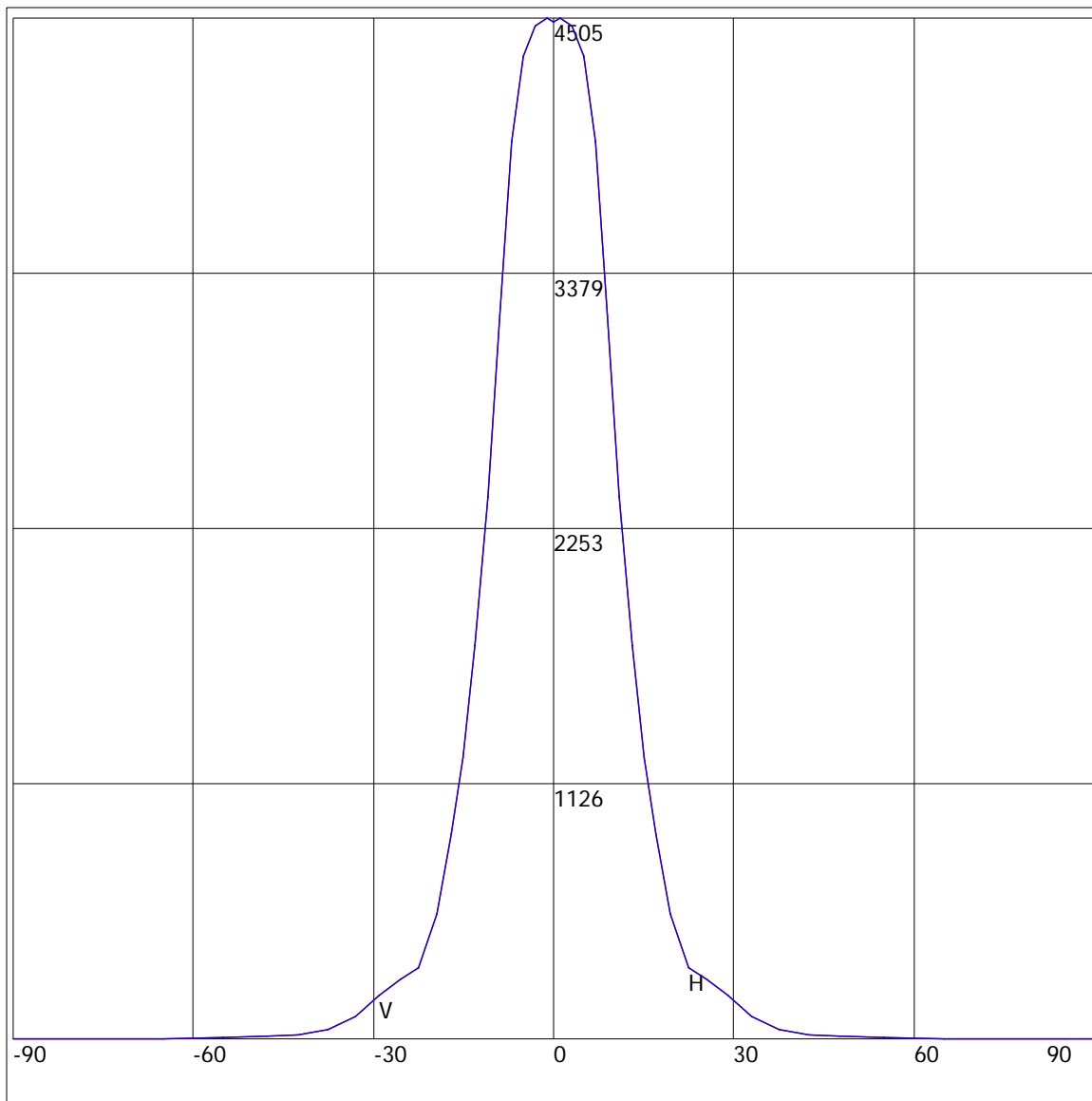
NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LLI010709A.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	1
75	2	75	2
65	3	65	3
55	7	55	7
47.5	14	47.5	14
42.5	21	42.5	21
37.5	44	37.5	44
33	102	33	102
29	196	29	196
25.5	265	25.5	265
22.5	316	22.5	316
19.5	553	19.5	553
17	906	17	906
15	1246	15	1246
13	1737	13	1737
11	2396	11	2396
9	3191	9	3191
7	3958	7	3958
5	4335	5	4335
3	4472	3	4472
1	4505	1	4505
0	4488	0	4488
-1	4505	-1	4505
-3	4472	-3	4472
-5	4335	-5	4335
-7	3958	-7	3958
-9	3191	-9	3191
-11	2396	-11	2396
-13	1737	-13	1737
-15	1246	-15	1246
-17	906	-17	906
-19.5	553	-19.5	553
-22.5	316	-22.5	316
-25.5	265	-25.5	265
-29	196	-29	196
-33	102	-33	102
-37.5	44	-37.5	44
-42.5	21	-42.5	21
-47.5	14	-47.5	14
-55	7	-55	7
-65	3	-65	3
-75	2	-75	2
-85	1	-85	1
-90	0	-90	0

AXIAL CANDELA DISPLAY

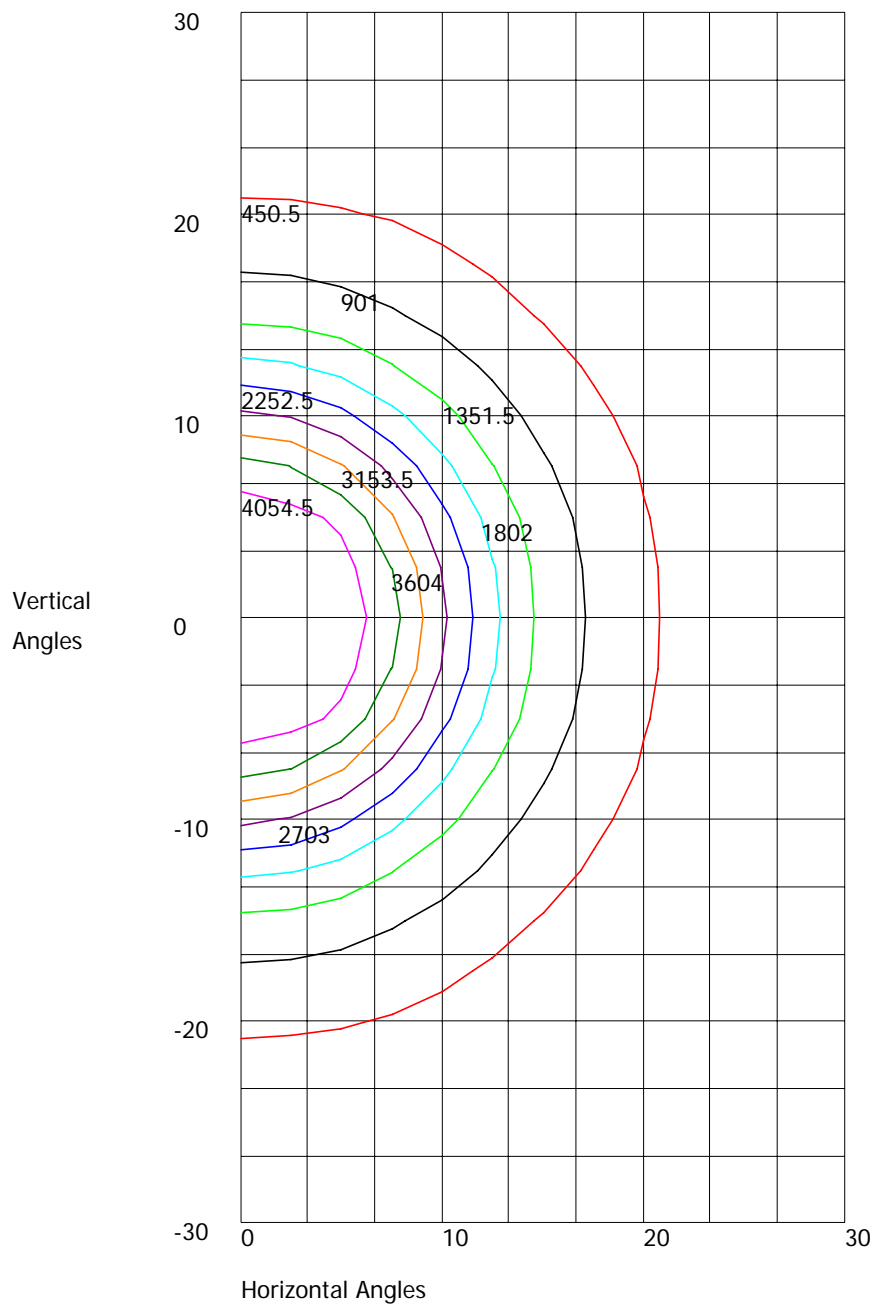


Maximum Candela = 4505 Located At Horizontal Angle = -1, Vertical Angle = 0

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 4505 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 2252.5
10% Maximum Candela = 450.5