LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

Test #: L08110402
Date: 8/12/2011

Luminaire Photometric Performance LM-79-2008

Manufacturer:	HK LIGHTING GROUP INC.
Model Number:	ZXL-FI

Total Lumens:	262.42
Input Power (W):	7.585
Input Current (Amp):	0.14
Input Power Factor:	0.45
Efficacy:	34.60
Color Rendering Index (CRI):	87.77
Correlated Color Temperature (K):	3031
Chromaticity Ordinate x:	0.4324
Chromaticity Ordinate y:	0.3985

*Test data documentation on file and available upon request.
*All results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

REV.	LOG NUMBER	REVISION DESCRIPTION	REVISION BY	CHECKED BY	APPROVED BY	DATE
A					JS	8/12/11

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IES SUSTAINING MEMBER

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L08110402.IES

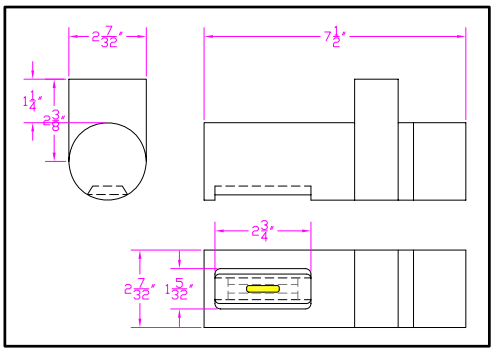
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L08110402
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 8/18/2011
[MANUFAC] HK LIGHTING GROUP INC.
[LUMCAT] ZXL-FI
[LUMINAIRE] 2-7/32"L. X 7-1/2"W. X 3-15/32"H. FLOOD & AREA FIXTURE
[MORE] WARM WHITE LED, NATURAL ALUMINUM REFLECTOR
[MORE] CLEAR GLASS LENS
[MORE] LUMINAIRE TESTED WITH FACING DOWN
[BALLASTCAT] HATCH LCB009-RL-UNI
[BALLAST] INPUT:100-240VAC 50/60Hz, OUTPUT:4-13VDC 700mA CONST
[LAMPPOSITION] 0,0
[LAMPCAT] WARM WHITE LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 120VAC, 7.585W
[_TEST PROCEDURE] IESNA:LM-79-08

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

CHARACTERISTICS

NEMA Type	6 H x 5 V
Maximum Candela	146.9
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	100.5
Vertical Beam Angle (50%)	79.8
Horizontal Field Angle (10%)	126.1
Vertical Field Angle (10%)	93.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	201
Beam Efficiency	N.A.
Field Lumens	252
Field Efficiency	N.A.
Spill Lumens	10
Luminaire Lumens	262
Total Efficiency	N.A.
Total Luminaire Watts	7.585
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	1.1	90	1.1
85	1.3	85	1.1
75	2.1	75	1.3
65	5.1	65	2.8
55	53.8	55	4.7
47.5	84.7	47.5	6.6
42.5	95.2	42.5	53.3
37.5	104.9	37.5	92.4
33	114.6	33	104.6
29	121.4	29	108.8
25.5	125.9	25.5	113.6
22.5	128.8	22.5	119.9
19.5	131.9	19.5	121.3
17	133.9	17	129
15	135.9	15	130.8
13	138.2	13	132.3
11	140.4	11	137.3
9	142.3	9	142.1
7	143.8	7	142.4
5	145.3	5	144.4
3	146.2	3	144.9
1	146.4	1	146.6
0	146.9	0	146.9
-1	146.4	-1	146.6
-3	146.2	-3	144.9
-5	145.3	-5	144.4
-7	143.8	-7	142.4
-9	142.3	-9	142.1
-11	140.4	-11	137.3
-13	138.2	-13	132.3
-15	135.9	-15	130.8
-17	133.9	-17	129
-19.5	131.9	-19.5	121.3
-22.5	128.8	-22.5	119.9
-25.5	125.9	-25.5	113.6
-29	121.4	-29	108.8
-33	114.6	-33	104.6
-37.5	104.9	-37.5	92.4
-42.5	95.2	-42.5	53.3
-47.5	84.7	-47.5	6.6
-55	53.8	-55	4.7
-65	5.1	-65	2.8
-75	2.1	-75	1.3
-85	1.3	-85	1.1
-90	1.1	-90	1.1

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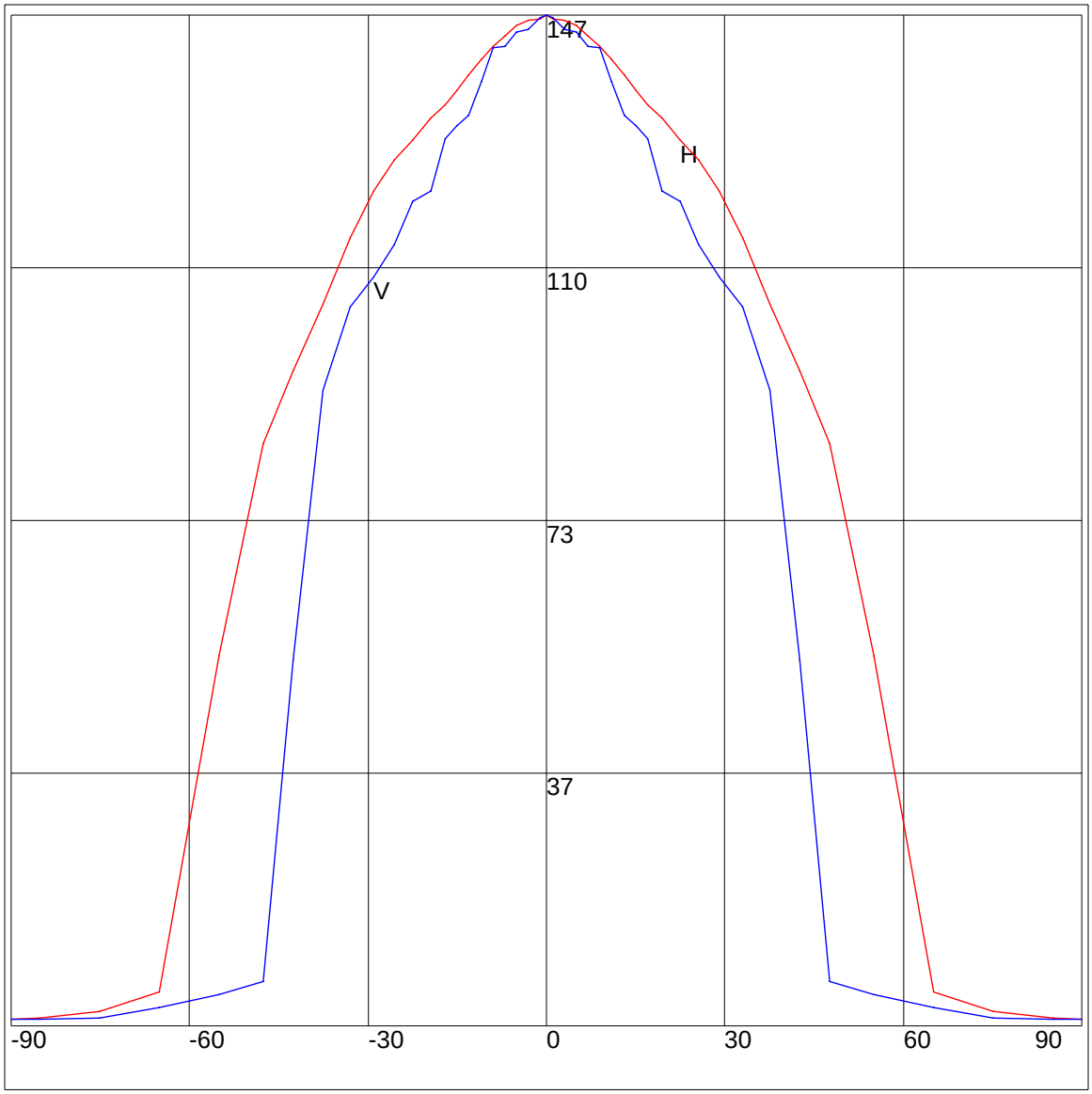
PHOTOMETRIC FILENAME : L08110402.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 146.9 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

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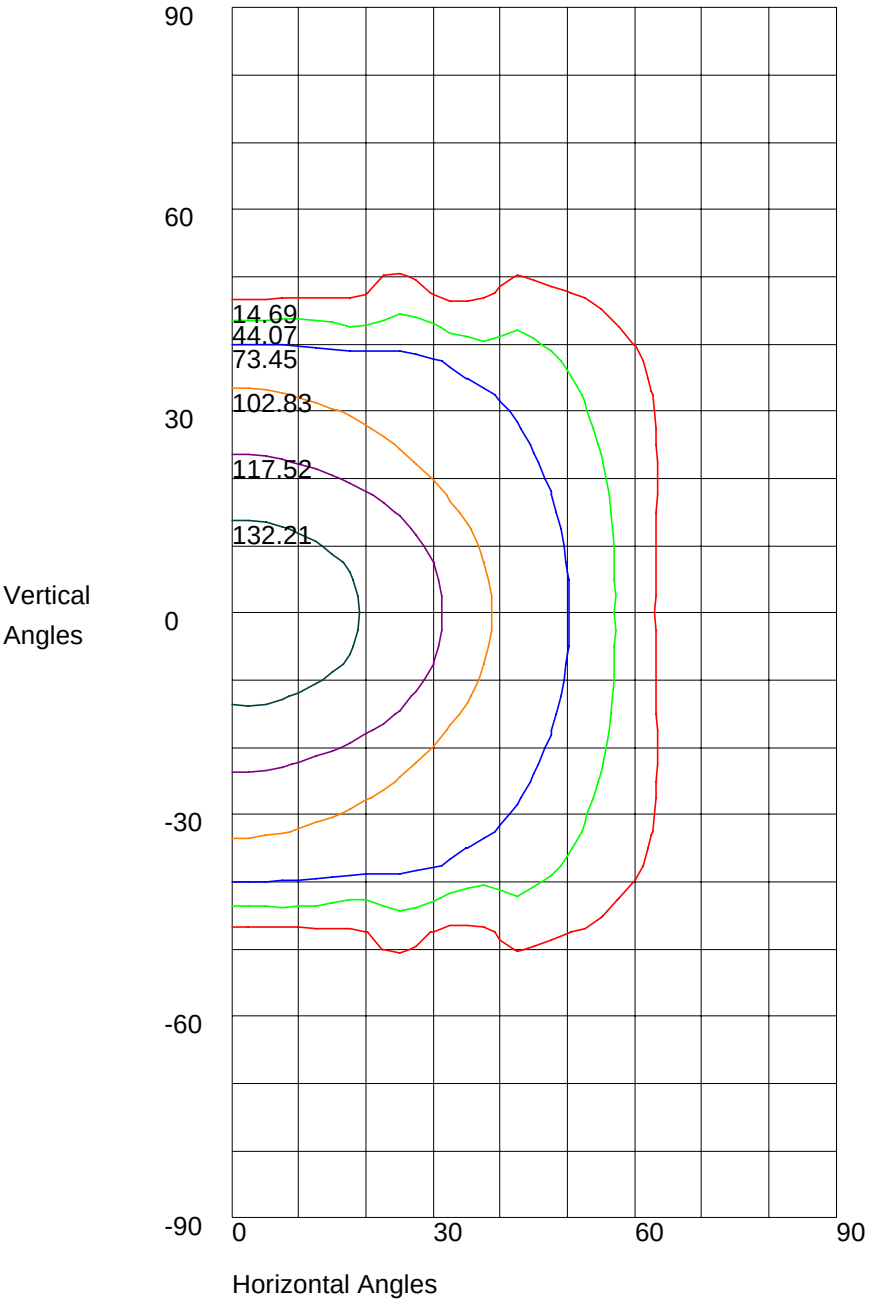
ISOCANDELA CURVES



Maximum Candela = 146.9 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 73.45
10% Maximum Candela = 14.69