LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 1

Test #: L0410-3004
Date: 5/3/2010

Luminaire Photometric Performance LM-79-2008

Manufacturer:	HK LIGHTING GROUP INC.
Model Number:	ZXLI-5.0-NARROW

Total Lumens:	531.28
Input Power (W):	21.07
Input Current (Amp):	0.35
Input Power Factor:	0.51
Efficacy:	25.21
Color Rendering Index (CRI):	84.7
Correlated Color Temperature (CCT):	2870
Chromaticity Ordinate x:	0.445
Chromaticity Ordinate y:	0.405

*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	5/3/10

LIGHT LABORATORY INC.
8165 E. Kaiser Blvd.
Anaheim, CA 92808
Tel.714.282.2270/Fax.866.439.9583
www.lightlaboratory.com

IES SUSTAINING MEMBER

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04103104.IES

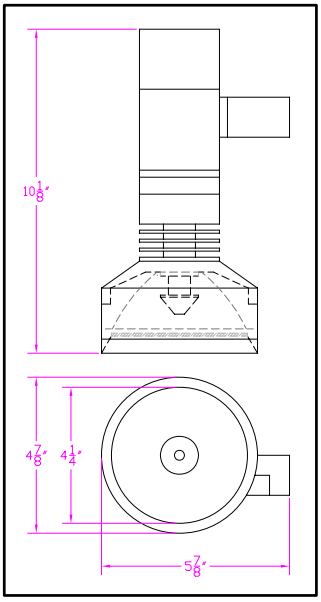
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L0410-3104
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 5/3/2010
[MANUFAC] HK LIGHTING GROUP INC.
[LUMCAT] ZXLI-5.0-NARROW
[LUMINAIRE] 4-7/8"DIA. X 10-1/8"H. AREA/ACCENT LED FIXTURE
[MORE] NARROW SPOT REFLECTOR
[MORE] 8 WARM WHITE LEDS, FLAT TEMPERED GLASS
[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, 21.07W
[TEST PROCEDURE] IESNA:LM-79-08

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

CHARACTERISTICS

IES NEMA Type	3 H x 3 V
Maximum Candela	2315
Maximum Candela Angle	-5H -1V
Horizontal Beam Angle (50%)	23.2
Vertical Beam Angle (50%)	21.1
Horizontal Field Angle (10%)	43.8
Vertical Field Angle (10%)	42.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	239
Beam Efficiency	N.A.
Field Lumens	416
Field Efficiency	N.A.
Spill Lumens	115
Luminaire Lumens	531
Total Efficiency	N.A.
Total Luminaire Watts	21.07
Ballast Factor	1.00



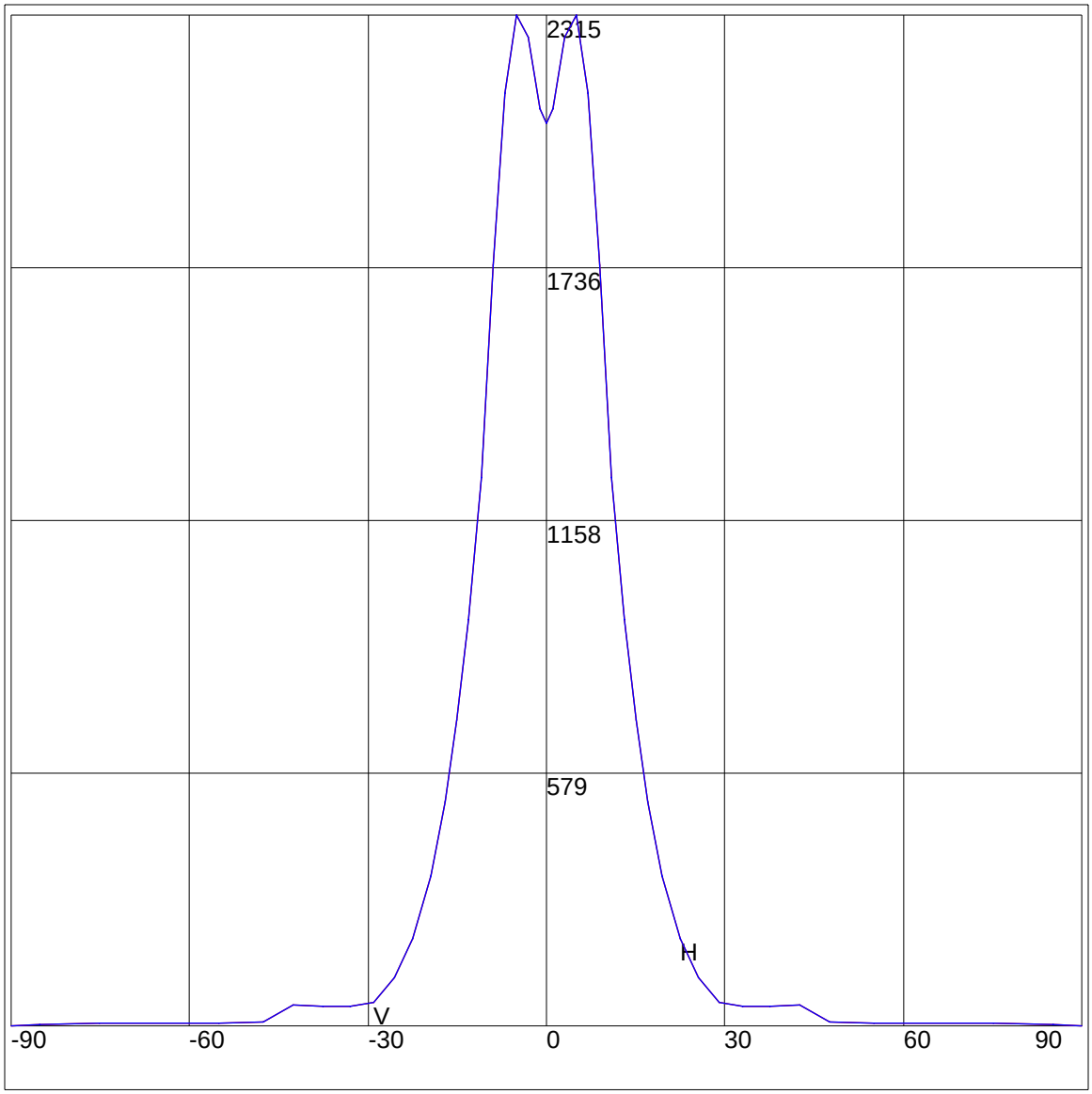
IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04103104.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	4	85	4
75	6	75	6
65	6	65	6
55	7	55	7
47.5	9	47.5	9
42.5	49	42.5	49
37.5	46	37.5	46
33	46	33	46
29	55	29	55
25.5	111	25.5	111
22.5	202	22.5	202
19.5	344	19.5	344
17	514	17	514
15	701	15	701
13	932	13	932
11	1256	11	1256
9	1742	9	1742
7	2136	7	2136
5	2315	5	2315
3	2265	3	2265
1	2100	1	2100
0	2068	0	2068
-1	2100	-1	2100
-3	2265	-3	2265
-5	2315	-5	2315
-7	2136	-7	2136
-9	1742	-9	1742
-11	1256	-11	1256
-13	932	-13	932
-15	701	-15	701
-17	514	-17	514
-19.5	344	-19.5	344
-22.5	202	-22.5	202
-25.5	111	-25.5	111
-29	55	-29	55
-33	46	-33	46
-37.5	46	-37.5	46
-42.5	49	-42.5	49
-47.5	9	-47.5	9
-55	7	-55	7
-65	6	-65	6
-75	6	-75	6
-85	4	-85	4
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04103104.IES

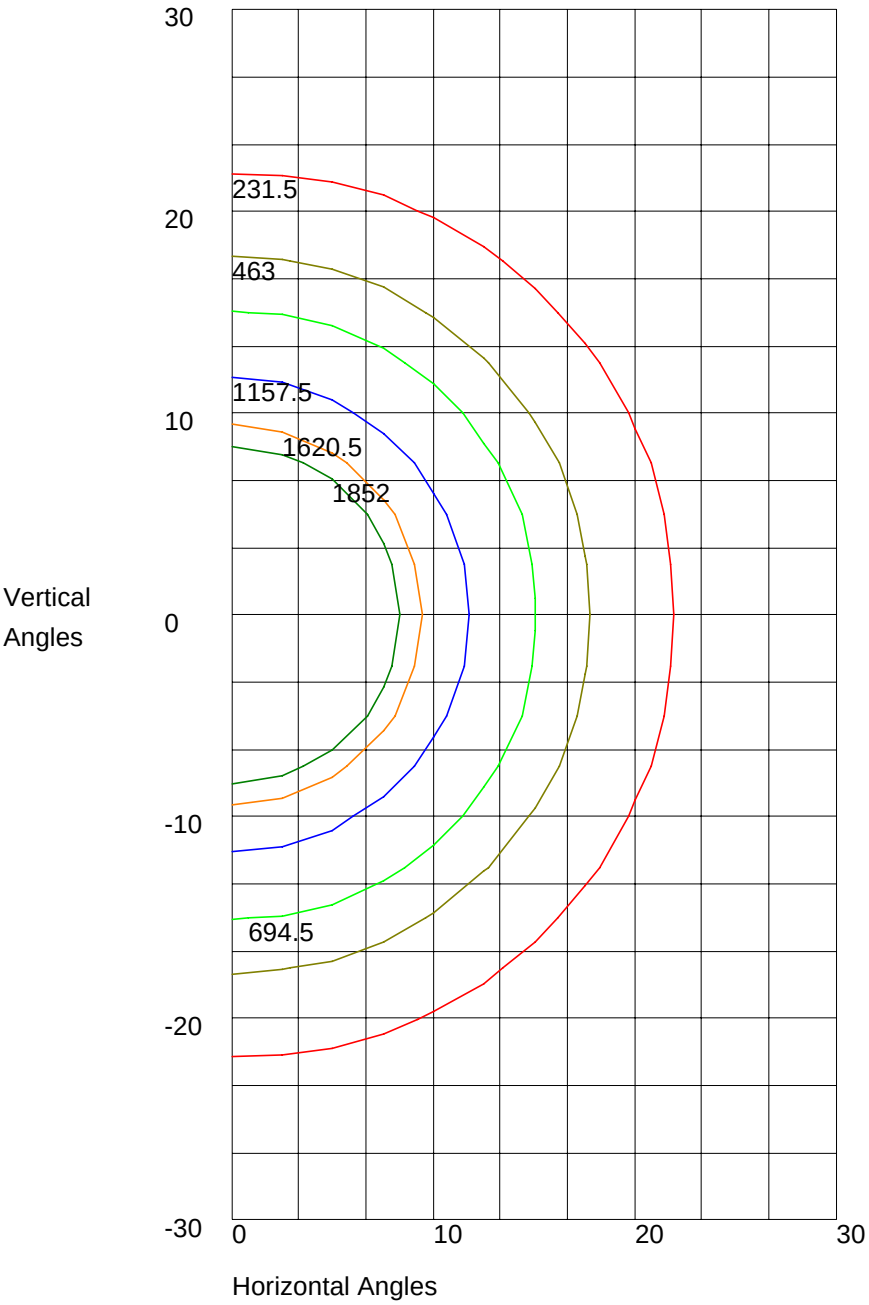
AXIAL CANDELA DISPLAY



Maximum Candela = 2315 Located At Horizontal Angle =-5, Vertical Angle =-1
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04103104.IES

ISOCANDELA CURVES



Maximum Candela = 2315 Located At Horizontal Angle =-5, Vertical Angle =-1
50% Maximum Candela = 1157.5
10% Maximum Candela = 231.5