

# LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 1

Test #: L0410-3001

Date: 5/3/2010

## Luminaire Photometric Performance LM-79-2008

Manufacturer:	HK LIGHTING GROUP INC.
Model Number:	ZXLI-4.0-NARROW

Total Lumens:	377.46
Input Power (W):	17.14
Input Current (Amp):	0.28
Input Power Factor:	0.52
Efficacy:	22.02
Color Rendering Index ( CRI ):	89.0
Correlated Color Temperature ( CCT ):	4208
Chromaticity Ordinate x:	0.369
Chromaticity Ordinate y:	0.362

\*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.

A					JS	5/3/10
REV.	LOG NUMBER	REVISION DESCRIPTION	REVISION BY	CHECKED BY	APPROVED BY	DATE



**IES FLOOD REPORT  
PHOTOMETRIC FILENAME : L04103101.IES**

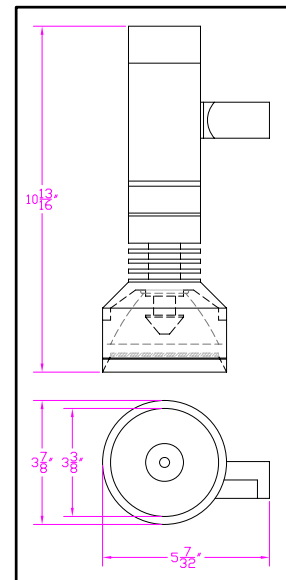
**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L0410-3101  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUEDATE] 5/3/2010  
[MANUFAC] HK LIGHTING GROUP INC.  
[LUMCAT] ZXLI-4.0-NARROW  
[LUMINAIRE] 3-7/8"DIA. X 10-13/16"H. AREA/ACCENT LED FIXTURE  
[MORE] NARROW SPOT REFLECTOR  
[MORE] 6 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, 17.14  
[TEST PROCEDURE] IESNA:LM-79-08

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

**CHARACTERISTICS**

IES NEMA Type	4 H x 4 V
Maximum Candela	1879
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	17.6
Vertical Beam Angle (50%)	17.6
Horizontal Field Angle (10%)	48.0
Vertical Field Angle (10%)	48.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	95
Beam Efficiency	N.A.
Field Lumens	296
Field Efficiency	N.A.
Spill Lumens	82
Luminaire Lumens	377
Total Efficiency	N.A.
Total Luminaire Watts	17.14
Ballast Factor	1.00

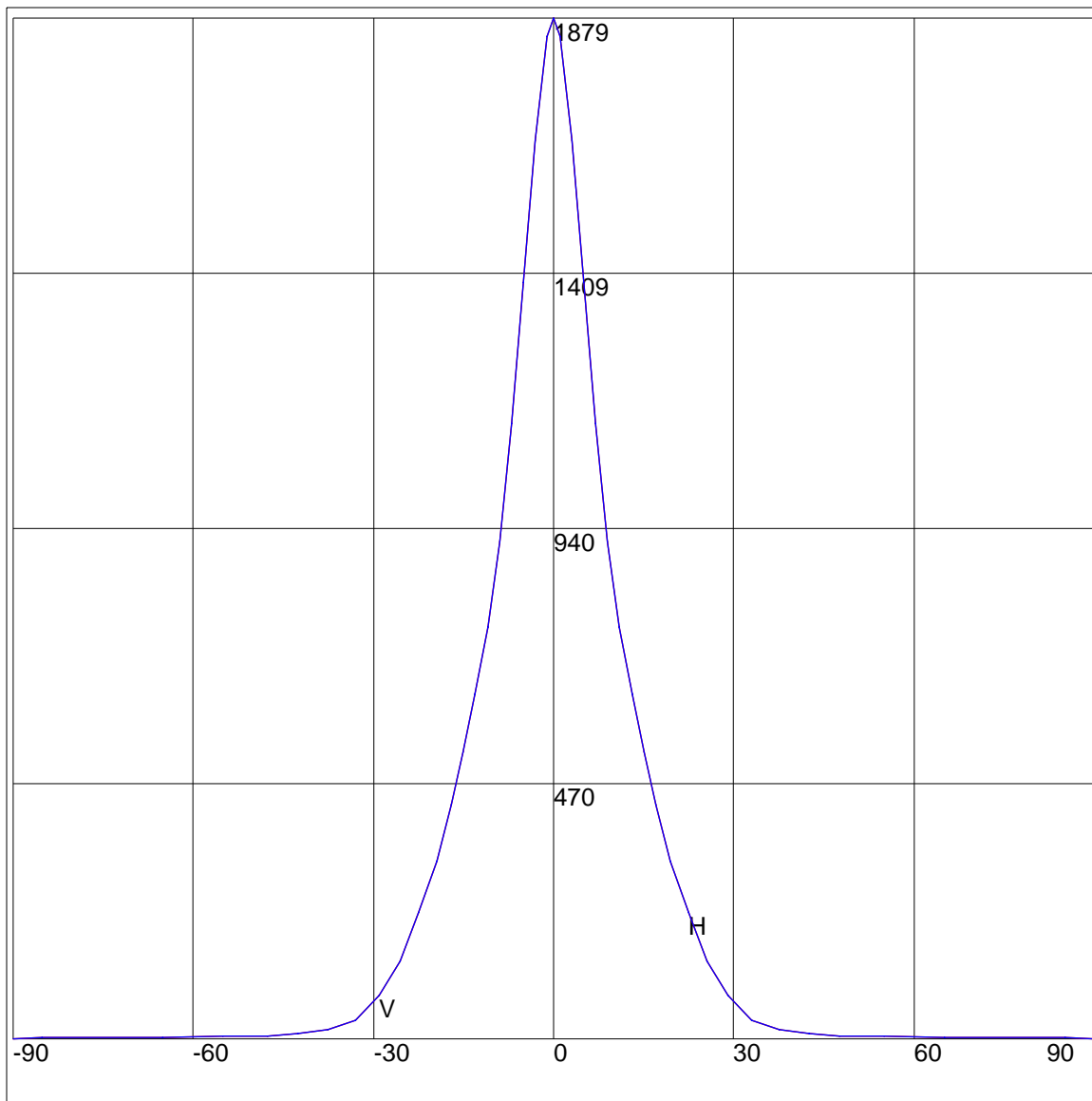


**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L04103101.IES**

**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	3	85	3
75	3	75	3
65	4	65	4
55	5	55	5
47.5	7	47.5	7
42.5	12	42.5	12
37.5	17	37.5	17
33	34	33	34
29	82	29	82
25.5	144	25.5	144
22.5	233	22.5	233
19.5	327	19.5	327
17	432	17	432
15	529	15	529
13	635	13	635
11	759	11	759
9	917	9	917
7	1133	7	1133
5	1393	5	1393
3	1655	3	1655
1	1845	1	1845
0	1879	0	1879
-1	1845	-1	1845
-3	1655	-3	1655
-5	1393	-5	1393
-7	1133	-7	1133
-9	917	-9	917
-11	759	-11	759
-13	635	-13	635
-15	529	-15	529
-17	432	-17	432
-19.5	327	-19.5	327
-22.5	233	-22.5	233
-25.5	144	-25.5	144
-29	82	-29	82
-33	34	-33	34
-37.5	17	-37.5	17
-42.5	12	-42.5	12
-47.5	7	-47.5	7
-55	5	-55	5
-65	4	-65	4
-75	3	-75	3
-85	3	-85	3
-90	0	-90	0

AXIAL CANDELA DISPLAY

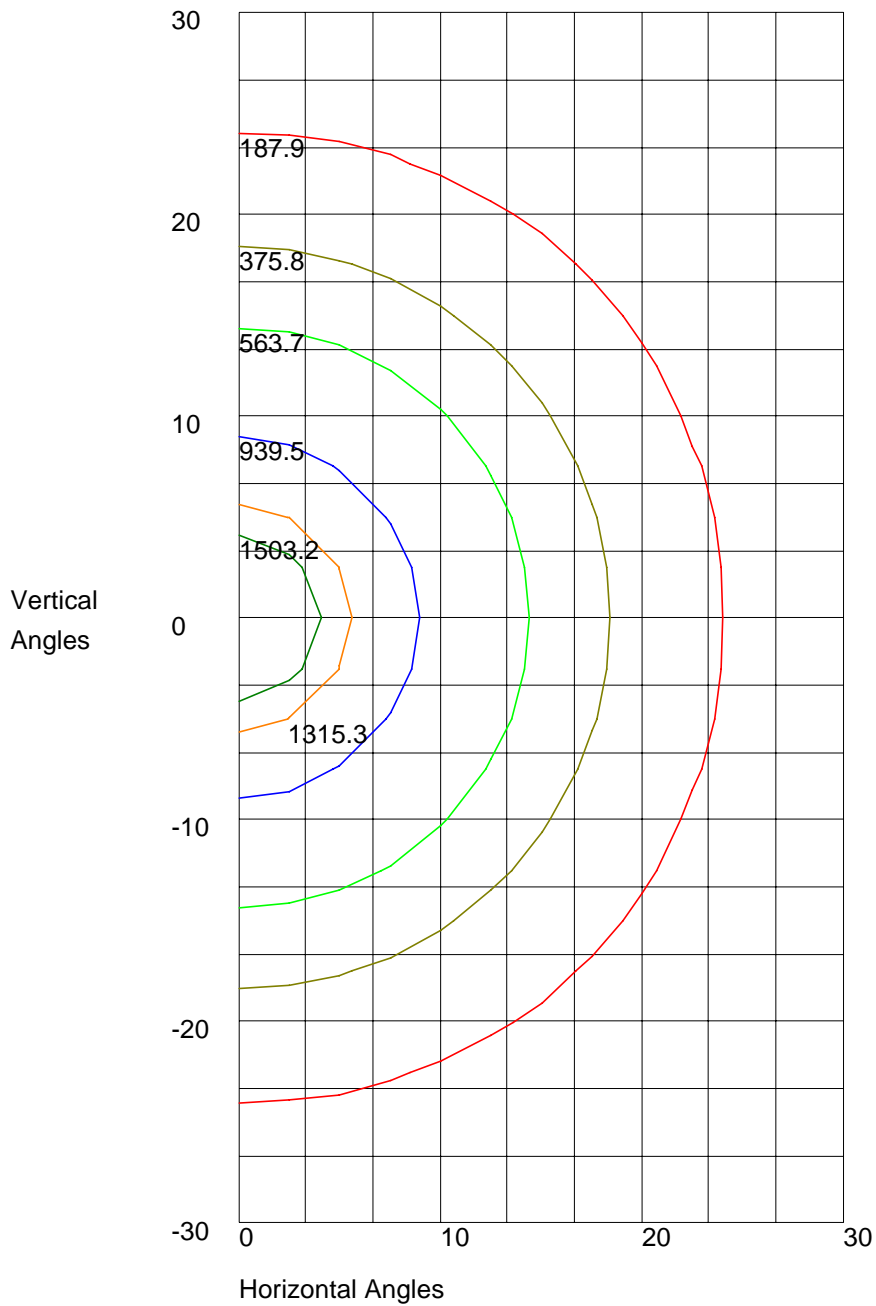


Maximum Candela = 1879 Located At Horizontal Angle = 0, Vertical Angle = 0

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1879 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 939.5  
10% Maximum Candela = 187.9