

# LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 1

Test #: L0410-3003

Date: 5/3/2010

## Luminaire Photometric Performance LM-79-2008

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

Total Lumens:	437.58
Input Power (W):	17.15
Input Current (Amp):	0.28
Input Power Factor:	0.52
Efficacy:	25.52
Color Rendering Index ( CRI ):	88.9
Correlated Color Temperature ( CCT ):	4212
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 : L04103103.IES**

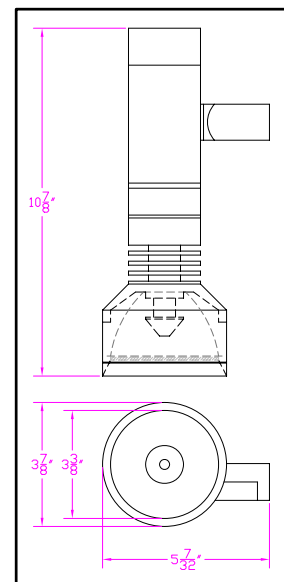
**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L0410-3103  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUEDATE] 5/3/2010  
[MANUFAC] HK LIGHTING GROUP INC.  
[LUMCAT] ZXLI-4.0-WIDE  
[LUMINAIRE] 3-7/8"DIA. X 10-7/8"H. AREA/ACCENT LED FIXTURE  
[MORE] WIDE ANGLE 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, 17.15W  
[TEST PROCEDURE] IESNA:LM-79-08

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

**CHARACTERISTICS**

IES NEMA Type	5 H x 5 V
Maximum Candela	509
Maximum Candela Angle	-11H -1V
Horizontal Beam Angle (50%)	55.3
Vertical Beam Angle (50%)	51.0
Horizontal Field Angle (10%)	81.6
Vertical Field Angle (10%)	79.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	301
Beam Efficiency	N.A.
Field Lumens	400
Field Efficiency	N.A.
Spill Lumens	37
Luminaire Lumens	438
Total Efficiency	N.A.
Total Luminaire Watts	17.15
Ballast Factor	1.00

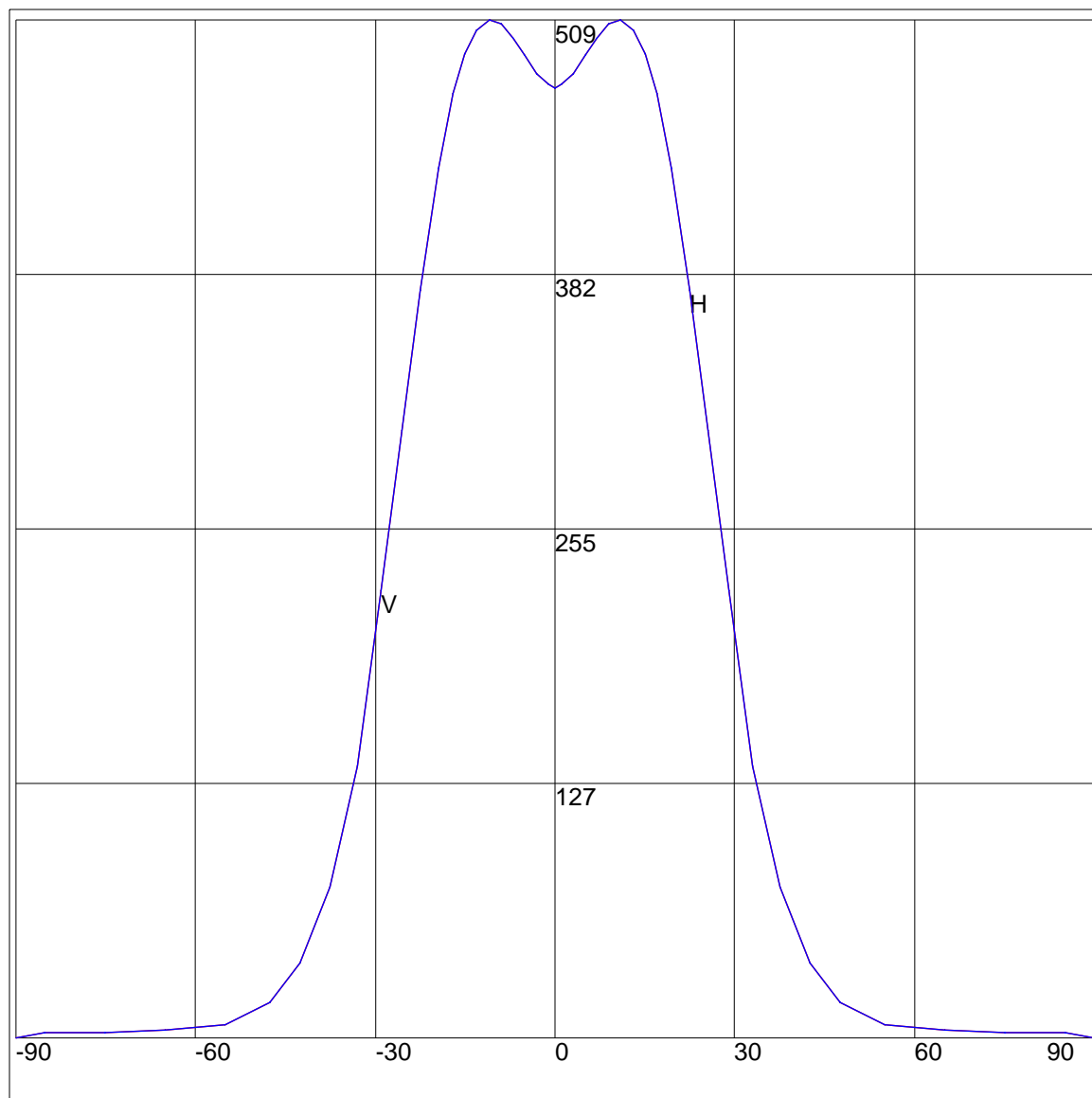


**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L04103103.IES**

**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	3	85	3
75	3	75	3
65	4	65	4
55	7	55	7
47.5	18	47.5	18
42.5	38	42.5	38
37.5	76	37.5	76
33	136	33	136
29	224	29	224
25.5	304	25.5	304
22.5	374	22.5	374
19.5	435	19.5	435
17	472	17	472
15	492	15	492
13	504	13	504
11	509	11	509
9	507	9	507
7	500	7	500
5	491	5	491
3	482	3	482
1	477	1	477
0	475	0	475
-1	477	-1	477
-3	482	-3	482
-5	491	-5	491
-7	500	-7	500
-9	507	-9	507
-11	509	-11	509
-13	504	-13	504
-15	492	-15	492
-17	472	-17	472
-19.5	435	-19.5	435
-22.5	374	-22.5	374
-25.5	304	-25.5	304
-29	224	-29	224
-33	136	-33	136
-37.5	76	-37.5	76
-42.5	38	-42.5	38
-47.5	18	-47.5	18
-55	7	-55	7
-65	4	-65	4
-75	3	-75	3
-85	3	-85	3
-90	0	-90	0

AXIAL CANDELA DISPLAY

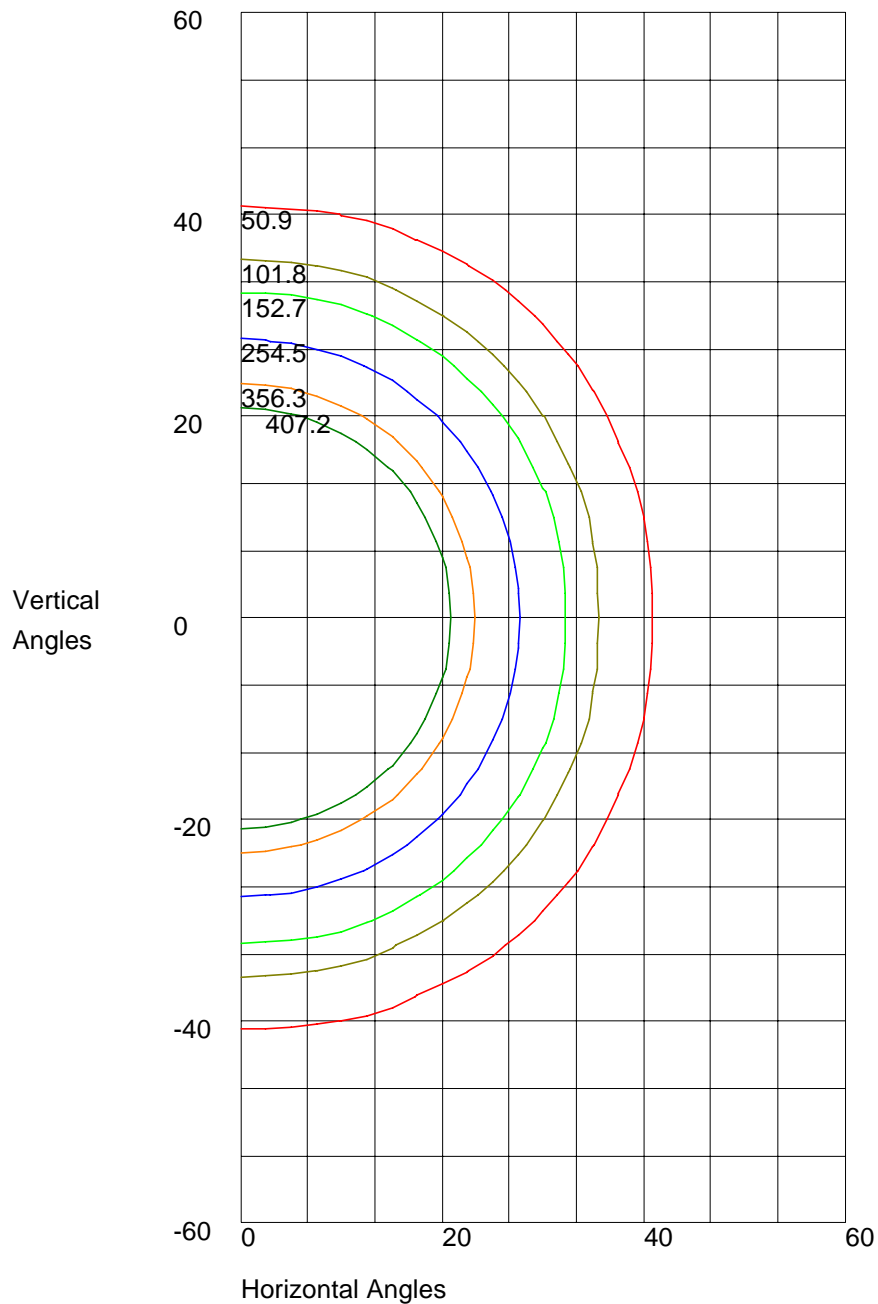


Maximum Candela = 509 Located At Horizontal Angle = -11, Vertical Angle = -1

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 509 Located At Horizontal Angle = -11, Vertical Angle = -1  
50% Maximum Candela = 254.5  
10% Maximum Candela = 50.9