



8165 E Kaiser Blvd. Anaheim, CA 92808  
www.lightlaboratory.com

Report No: L032511504



**Report No:** L032511504

**Issue Date:** 3/25/2025

**Report Prepared For:** HK Lighting  
2151 Anchor Ct, Thousand Oaks CA 91320

**Reference:** N/A

**Amendment:** N/A

**Model Number:** ZXL30-IR1FB-ABR-UNIV38W-30VW

**Test:** Photometric/Colorimetric/Electrical Test

**Standards Used:** Appropriate part or all test guidelines were used for test performed:

*IES LM79: 2008* Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products

*ANSI/IES LM79: 2019* Approved Methods for Optical and Electrical Measurements of Solid-State Lighting Products

*ANSI/NEMA C78.377: 2017* Specification of the Chromaticity of Solid State Lighting Products

*ANSI C82.77-10:2014:* Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

**Description of Sample:** Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

**Special Test Condition:** Fixture is tested with no special conditions.

**Date of Tests:** 3/25/25

**Seasoning of Sample:** No seasoning was performed in accordance with IESNA LM-79.

#### Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S3	6/21/26
HP Power Supply	6032A	PS-DC05-S2	--
Fluke Digital Thermometer	52K/J	MT-TP05	6/25/26
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

### General Information

<b>Manufacturer:</b>	HK Lighting
<b>Model Number:</b>	ZXL30-IR1FB-ABR-UNIV38W-30VW
<b>Driver Model Number:</b>	ERP PSB50W-1200-42

### Test Summary

<b>Total Lumens:</b>	2588.00
<b>Efficacy:</b>	69.54
<b>Color Redering Index:</b>	93.4
<b>Correlated Color Temperature:</b>	2975
<b>Input Voltage (VAC/60Hz):</b>	120.01
<b>Input Current (Amp):</b>	0.3213
<b>Input Power (W):</b>	37.22
<b>Input Power Factor:</b>	0.9653
<b>Current ATHD (%):</b>	15.1%

### Test Condition

<b>Ambient Temperature (°C):</b>	25.0
<b>Stabilization Time (Hours):</b>	0:45
<b>Total Operating Time (Hours):</b>	1:10

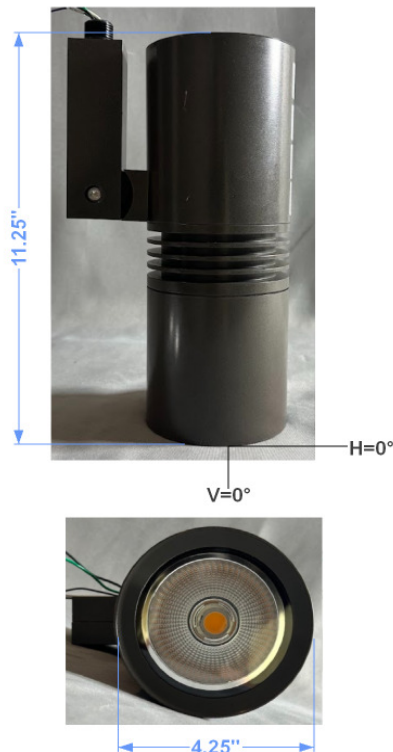
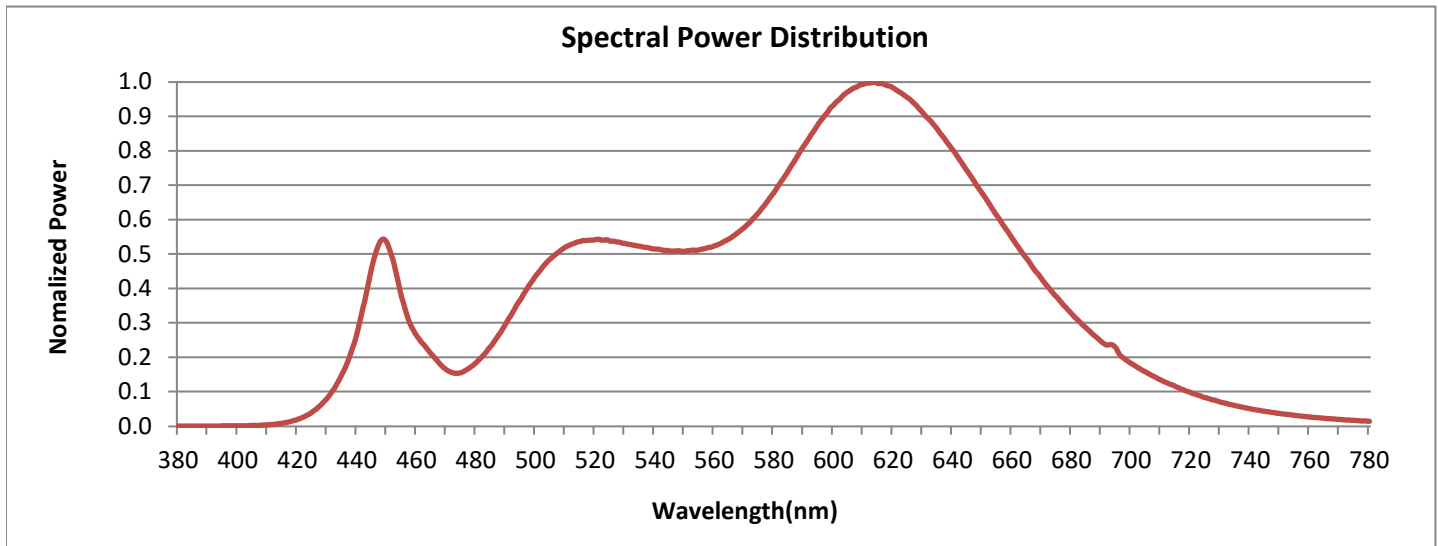


FIG. 1 LUMINAIRE

## Colorimetry Test Results

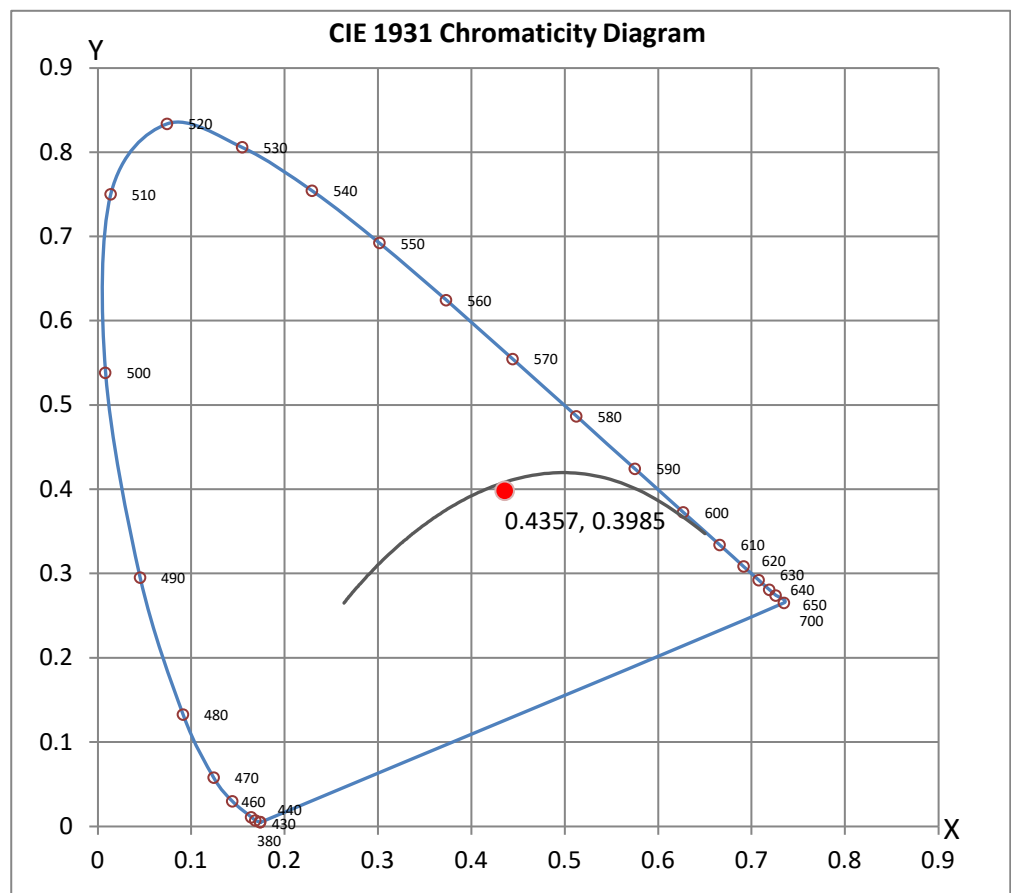


### CRI & CCT

x	0.4357
y	0.3985
u'	0.2522
v'	0.5190
CRI	93.40
CCT	2975
Duv	-0.00207

### R Values

R1	98.88
R2	98.45
R3	95.89
R4	95.39
R5	97.31
R6	91.36
R7	89.69
R8	80.13
R9	57.06
R10	95.51
R11	87.55
R12	93.03
R13	98.55
R14	98.21
R15	91.02



## Test Methods

### Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

### Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

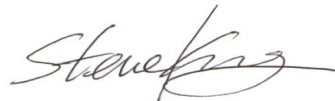
Electrical measurements are measured using the listed equipment.

### Disclaimers:

The results related only to the samples as received and tested. This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.

Report Prepared by :                     JG                    

Test Report Reviewed by:



Steve Kang  
Quality Assurance

*\*Attached are photometric data reports.*



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## Photometric Test Report

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : L032511504.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L032511504  
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[ISSUEDATE] 3/25/2025  
[MANUFAC] HK Lighting  
[LUMCAT] ZXL30-IR1FB-ABR-UNIV38W-30VW  
[LUMINAIRE] ZXL30 Accent Light, 38W, 3000K, Very Wide Beam  
[BALLASTCAT] ERP PSB50W-1200-42  
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
[INPUT] 120VAC  
[TEST PROCEDURE] IESNA:LM-79-19

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

### CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	4009
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	54.9
Vertical Beam Angle (50%)	54.9
Horizontal Field Angle (10%)	68.7
Vertical Field Angle (10%)	68.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2112
Beam Efficiency	N.A.
Field Lumens	2588
Field Efficiency	N.A.
Spill Lumens	154
Luminaire Lumens	2743
Total Efficiency	N.A.
Total Luminaire Watts	37.22
Ballast Factor	1.00

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L032511504.IES**

**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	2	75	2
65	5	65	5
55	11	55	11
47.5	29	47.5	29
42.5	71	42.5	71
37.5	182	37.5	182
33	496	33	496
29	1661	29	1661
25.5	2432	25.5	2432
22.5	2703	22.5	2703
19.5	2960	19.5	2960
17	3223	17	3223
15	3532	15	3532
13	3700	13	3700
11	3770	11	3770
9	3754	9	3754
7	3844	7	3844
5	3923	5	3923
3	3981	3	3981
1	4009	1	4009
0	4008	0	4008
-1	4009	-1	4009
-3	3981	-3	3981
-5	3923	-5	3923
-7	3844	-7	3844
-9	3754	-9	3754
-11	3770	-11	3770
-13	3700	-13	3700
-15	3532	-15	3532
-17	3223	-17	3223
-19.5	2960	-19.5	2960
-22.5	2703	-22.5	2703
-25.5	2432	-25.5	2432
-29	1661	-29	1661
-33	496	-33	496
-37.5	182	-37.5	182
-42.5	71	-42.5	71
-47.5	29	-47.5	29
-55	11	-55	11
-65	5	-65	5
-75	2	-75	2
-85	0	-85	0
-90	0	-90	0

**IES FLOOD REPORT**  
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**CANDELA TABULATION**

Maximum Candela = 4009

Beam Edge = 2004.5 Cd (50% of Max.)

Field Edge = 400.9 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>75.0</b>	0	0	0	0	1	1	1	1	2	2
<b>65.0</b>	0	0	0	1	2	2	3	3	4	4
<b>55.0</b>	0	0	1	2	3	4	5	6	7	8
<b>47.5</b>	0	0	1	2	4	6	8	9	11	14
<b>42.5</b>	0	0	1	3	5	8	10	13	19	23
<b>37.5</b>	0	0	1	3	6	9	13	21	27	41
<b>33.0</b>	0	0	2	4	7	11	19	27	47	68
<b>29.0</b>	0	0	2	4	8	14	23	41	68	124
<b>25.5</b>	0	0	2	4	9	17	27	56	109	174
<b>22.5</b>	0	0	2	4	9	20	33	68	144	280
<b>19.5</b>	0	0	2	5	10	22	42	91	176	394
<b>17.0</b>	0	0	2	5	10	24	49	112	239	479 *
<b>15.0</b>	0	0	2	5	10	25	53	127	294	686 *
<b>13.0</b>	0	0	2	5	10	26	58	140	343	919 *
<b>11.0</b>	0	0	2	5	11	27	61	152	385	1123 *
<b>9.0</b>	0	0	2	5	11	27	65	162	421 *	1297 *
<b>7.0</b>	0	0	2	5	11	28	67	170	451 *	1439 *
<b>5.0</b>	0	0	2	5	11	29	69	176	473 *	1547 *
<b>3.0</b>	0	0	2	5	11	29	71	180	488 *	1620 *
<b>1.0</b>	0	0	2	5	11	29	71	182	496 *	1661 *
<b>0.0</b>	0	0	2	5	11	29	71	182	496 *	1661 *
<b>-1.0</b>	0	0	2	5	11	29	71	182	496 *	1661 *
<b>-3.0</b>	0	0	2	5	11	29	71	180	488 *	1620 *
<b>-5.0</b>	0	0	2	5	11	29	69	176	473 *	1547 *
<b>-7.0</b>	0	0	2	5	11	28	67	170	451 *	1439 *
<b>-9.0</b>	0	0	2	5	11	27	65	162	421 *	1297 *
<b>-11.0</b>	0	0	2	5	11	27	61	152	385	1123 *
<b>-13.0</b>	0	0	2	5	10	26	58	140	343	919 *
<b>-15.0</b>	0	0	2	5	10	25	53	127	294	686 *
<b>-17.0</b>	0	0	2	5	10	24	49	112	239	479 *
<b>-19.5</b>	0	0	2	5	10	22	42	91	176	394
<b>-22.5</b>	0	0	2	4	9	20	33	68	144	280
<b>-25.5</b>	0	0	2	4	9	17	27	56	109	174
<b>-29.0</b>	0	0	2	4	8	14	23	41	68	124
<b>-33.0</b>	0	0	2	4	7	11	19	27	47	68
<b>-37.5</b>	0	0	1	3	6	9	13	21	27	41
<b>-42.5</b>	0	0	1	3	5	8	10	13	19	23
<b>-47.5</b>	0	0	1	2	4	6	8	9	11	14
<b>-55.0</b>	0	0	1	2	3	4	5	6	7	8
<b>-65.0</b>	0	0	0	1	2	2	3	3	4	4
<b>-75.0</b>	0	0	0	0	1	1	1	1	2	2
<b>-85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>-90.0</b>	0	0	0	0	0	0	0	0	0	0

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	2	2	2	2	2	2	2	2	2	2
65.0	4	4	5	5	5	5	5	5	5	5
55.0	9	9	10	10	10	10	11	11	11	11
47.5	17	20	22	24	25	26	27	27	28	29
42.5	27	33	42	49	53	58	61	65	67	69
37.5	56	68	91	112	127	140	152	162	170	176
33.0	109	144	176	239	294	343	385	421 *	451 *	473 *
29.0	174	280	394	479 *	686 *	919 *	1123 *	1297 *	1439 *	1547 *
25.5	325	461 *	875 *	1274 *	1565 *	1788 *	1964 *	2115 *	2238 *	2332 *
22.5	461 *	962 *	1533 *	1896 *	2140 *	2362 *	2484 *	2554 *	2612 *	2656 *
19.5	875 *	1533 *	2034 *	2399 *	2529 *	2631 *	2722 *	2797 *	2860 *	2908 *
17.0	1274 *	1896 *	2399 *	2580 *	2703 *	2807 *	2903 *	2994 *	3081 *	3149 *
15.0	1565 *	2140 *	2529 *	2703 *	2824 *	2938 *	3062 *	3177 *	3297 *	3409 *
13.0	1788 *	2362 *	2631 *	2807 *	2938 *	3086 *	3228 *	3413 *	3554 *	3623 *
11.0	1964 *	2484 *	2722 *	2903 *	3062 *	3228 *	3453 *	3601 *	3700 *	3733 *
9.0	2115 *	2554 *	2797 *	2994 *	3177 *	3413 *	3601 *	3710 *	3757 *	3764 *
7.0	2238 *	2612 *	2860 *	3081 *	3297 *	3554 *	3700 *	3757 *	3761 *	3772 *
5.0	2332 *	2656 *	2908 *	3149 *	3409 *	3623 *	3733 *	3764 *	3772 *	3844 *
3.0	2396 *	2686 *	2941 *	3196 *	3487 *	3672 *	3756 *	3758 *	3816 *	3890 *
1.0	2432 *	2703 *	2960 *	3223 *	3532 *	3700 *	3770 *	3754 *	3844 *	3923 *
0.0	2432 *	2703 *	2960 *	3223 *	3532 *	3700 *	3770 *	3754 *	3844 *	3923 *
-1.0	2432 *	2703 *	2960 *	3223 *	3532 *	3700 *	3770 *	3754 *	3844 *	3923 *
-3.0	2396 *	2686 *	2941 *	3196 *	3487 *	3672 *	3756 *	3758 *	3816 *	3890 *
-5.0	2332 *	2656 *	2908 *	3149 *	3409 *	3623 *	3733 *	3764 *	3772 *	3844 *
-7.0	2238 *	2612 *	2860 *	3081 *	3297 *	3554 *	3700 *	3757 *	3761 *	3772 *
-9.0	2115 *	2554 *	2797 *	2994 *	3177 *	3413 *	3601 *	3710 *	3757 *	3764 *
-11.0	1964 *	2484 *	2722 *	2903 *	3062 *	3228 *	3453 *	3601 *	3700 *	3733 *
-13.0	1788 *	2362 *	2631 *	2807 *	2938 *	3086 *	3228 *	3413 *	3554 *	3623 *
-15.0	1565 *	2140 *	2529 *	2703 *	2824 *	2938 *	3062 *	3177 *	3297 *	3409 *
-17.0	1274 *	1896 *	2399 *	2580 *	2703 *	2807 *	2903 *	2994 *	3081 *	3149 *
-19.5	875 *	1533 *	2034 *	2399 *	2529 *	2631 *	2722 *	2797 *	2860 *	2908 *
-22.5	461 *	962 *	1533 *	1896 *	2140 *	2362 *	2484 *	2554 *	2612 *	2656 *
-25.5	325	461 *	875 *	1274 *	1565 *	1788 *	1964 *	2115 *	2238 *	2332 *
-29.0	174	280	394	479 *	686 *	919 *	1123 *	1297 *	1439 *	1547 *
-33.0	109	144	176	239	294	343	385	421 *	451 *	473 *
-37.5	56	68	91	112	127	140	152	162	170	176
-42.5	27	33	42	49	53	58	61	65	67	69
-47.5	17	20	22	24	25	26	27	27	28	29
-55.0	9	9	10	10	10	10	11	11	11	11
-65.0	4	4	5	5	5	5	5	5	5	5
-75.0	2	2	2	2	2	2	2	2	2	2
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	2	2	2	2	2	2	2	2	2	2
65.0	5	5	5	5	5	5	5	5	5	5



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L032511504.IES**

**CANDELA TABULATION - (Cont.)**

55.0	11	11	11	11	11	11	11	11	11	10
47.5	29	29	29	29	29	29	28	27	27	26
42.5	71	71	71	71	71	69	67	65	61	58
37.5	180	182	182	182	180	176	170	162	152	140
33.0	488 *	496 *	496 *	496 *	488 *	473 *	451 *	421 *	385	343
29.0	1620 *	1661 *	1661 *	1661 *	1620 *	1547 *	1439 *	1297 *	1123 *	919 *
25.5	2396 *	2432 *	2432 *	2432 *	2396 *	2332 *	2238 *	2115 *	1964 *	1788 *
22.5	2686 *	2703 *	2703 *	2703 *	2686 *	2656 *	2612 *	2554 *	2484 *	2362 *
19.5	2941 *	2960 *	2960 *	2960 *	2941 *	2908 *	2860 *	2797 *	2722 *	2631 *
17.0	3196 *	3223 *	3223 *	3223 *	3196 *	3149 *	3081 *	2994 *	2903 *	2807 *
15.0	3487 *	3532 *	3532 *	3532 *	3487 *	3409 *	3297 *	3177 *	3062 *	2938 *
13.0	3672 *	3700 *	3700 *	3700 *	3672 *	3623 *	3554 *	3413 *	3228 *	3086 *
11.0	3756 *	3770 *	3770 *	3770 *	3756 *	3733 *	3700 *	3601 *	3453 *	3228 *
9.0	3758 *	3754 *	3754 *	3754 *	3758 *	3764 *	3757 *	3710 *	3601 *	3413 *
7.0	3816 *	3844 *	3844 *	3844 *	3816 *	3772 *	3761 *	3757 *	3700 *	3554 *
5.0	3890 *	3923 *	3923 *	3923 *	3890 *	3844 *	3772 *	3764 *	3733 *	3623 *
3.0	3945 *	3976 *	3981 *	3976 *	3945 *	3890 *	3816 *	3758 *	3756 *	3672 *
1.0	3976 *	4003 *	4009 *	4003 *	3976 *	3923 *	3844 *	3754 *	3770 *	3700 *
0.0	3981 *	4009 *	4008 *	4009 *	3981 *	3923 *	3844 *	3754 *	3770 *	3700 *
-1.0	3976 *	4003 *	4009 *	4003 *	3976 *	3923 *	3844 *	3754 *	3770 *	3700 *
-3.0	3945 *	3976 *	3981 *	3976 *	3945 *	3890 *	3816 *	3758 *	3756 *	3672 *
-5.0	3890 *	3923 *	3923 *	3923 *	3890 *	3844 *	3772 *	3764 *	3733 *	3623 *
-7.0	3816 *	3844 *	3844 *	3844 *	3816 *	3772 *	3761 *	3757 *	3700 *	3554 *
-9.0	3758 *	3754 *	3754 *	3754 *	3758 *	3764 *	3757 *	3710 *	3601 *	3413 *
-11.0	3756 *	3770 *	3770 *	3770 *	3756 *	3733 *	3700 *	3601 *	3453 *	3228 *
-13.0	3672 *	3700 *	3700 *	3700 *	3672 *	3623 *	3554 *	3413 *	3228 *	3086 *
-15.0	3487 *	3532 *	3532 *	3532 *	3487 *	3409 *	3297 *	3177 *	3062 *	2938 *
-17.0	3196 *	3223 *	3223 *	3223 *	3196 *	3149 *	3081 *	2994 *	2903 *	2807 *
-19.5	2941 *	2960 *	2960 *	2960 *	2941 *	2908 *	2860 *	2797 *	2722 *	2631 *
-22.5	2686 *	2703 *	2703 *	2703 *	2686 *	2656 *	2612 *	2554 *	2484 *	2362 *
-25.5	2396 *	2432 *	2432 *	2432 *	2396 *	2332 *	2238 *	2115 *	1964 *	1788 *
-29.0	1620 *	1661 *	1661 *	1661 *	1620 *	1547 *	1439 *	1297 *	1123 *	919 *
-33.0	488 *	496 *	496 *	496 *	488 *	473 *	451 *	421 *	385	343
-37.5	180	182	182	182	180	176	170	162	152	140
-42.5	71	71	71	71	71	69	67	65	61	58
-47.5	29	29	29	29	29	29	28	27	27	26
-55.0	11	11	11	11	11	11	11	11	11	10
-65.0	5	5	5	5	5	5	5	5	5	5
-75.0	2	2	2	2	2	2	2	2	2	2
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Angles**      **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	2	2	2	2	2	2	2	1	1	1
65.0	5	5	5	4	4	4	4	3	3	2
55.0	10	10	10	9	9	8	7	6	5	4
47.5	25	24	22	20	17	14	11	9	8	6
42.5	53	49	42	33	27	23	19	13	10	8
37.5	127	112	91	68	56	41	27	21	13	9
33.0	294	239	176	144	109	68	47	27	19	11
29.0	686 *	479 *	394	280	174	124	68	41	23	14
25.5	1565 *	1274 *	875 *	461 *	325	174	109	56	27	17

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L032511504.IES**

**CANDELA TABULATION - (Cont.)**

22.5	2140 *	1896 *	1533 *	962 *	461 *	280	144	68	33	20
19.5	2529 *	2399 *	2034 *	1533 *	875 *	394	176	91	42	22
17.0	2703 *	2580 *	2399 *	1896 *	1274 *	479 *	239	112	49	24
15.0	2824 *	2703 *	2529 *	2140 *	1565 *	686 *	294	127	53	25
13.0	2938 *	2807 *	2631 *	2362 *	1788 *	919 *	343	140	58	26
11.0	3062 *	2903 *	2722 *	2484 *	1964 *	1123 *	385	152	61	27
9.0	3177 *	2994 *	2797 *	2554 *	2115 *	1297 *	421 *	162	65	27
7.0	3297 *	3081 *	2860 *	2612 *	2238 *	1439 *	451 *	170	67	28
5.0	3409 *	3149 *	2908 *	2656 *	2332 *	1547 *	473 *	176	69	29
3.0	3487 *	3196 *	2941 *	2686 *	2396 *	1620 *	488 *	180	71	29
1.0	3532 *	3223 *	2960 *	2703 *	2432 *	1661 *	496 *	182	71	29
0.0	3532 *	3223 *	2960 *	2703 *	2432 *	1661 *	496 *	182	71	29
-1.0	3532 *	3223 *	2960 *	2703 *	2432 *	1661 *	496 *	182	71	29
-3.0	3487 *	3196 *	2941 *	2686 *	2396 *	1620 *	488 *	180	71	29
-5.0	3409 *	3149 *	2908 *	2656 *	2332 *	1547 *	473 *	176	69	29
-7.0	3297 *	3081 *	2860 *	2612 *	2238 *	1439 *	451 *	170	67	28
-9.0	3177 *	2994 *	2797 *	2554 *	2115 *	1297 *	421 *	162	65	27
-11.0	3062 *	2903 *	2722 *	2484 *	1964 *	1123 *	385	152	61	27
-13.0	2938 *	2807 *	2631 *	2362 *	1788 *	919 *	343	140	58	26
-15.0	2824 *	2703 *	2529 *	2140 *	1565 *	686 *	294	127	53	25
-17.0	2703 *	2580 *	2399 *	1896 *	1274 *	479 *	239	112	49	24
-19.5	2529 *	2399 *	2034 *	1533 *	875 *	394	176	91	42	22
-22.5	2140 *	1896 *	1533 *	962 *	461 *	280	144	68	33	20
-25.5	1565 *	1274 *	875 *	461 *	325	174	109	56	27	17
-29.0	686 *	479 *	394	280	174	124	68	41	23	14
-33.0	294	239	176	144	109	68	47	27	19	11
-37.5	127	112	91	68	56	41	27	21	13	9
-42.5	53	49	42	33	27	23	19	13	10	8
-47.5	25	24	22	20	17	14	11	9	8	6
-55.0	10	10	10	9	9	8	7	6	5	4
-65.0	5	5	5	4	4	4	4	3	3	2
-75.0	2	2	2	2	2	2	2	1	1	1
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

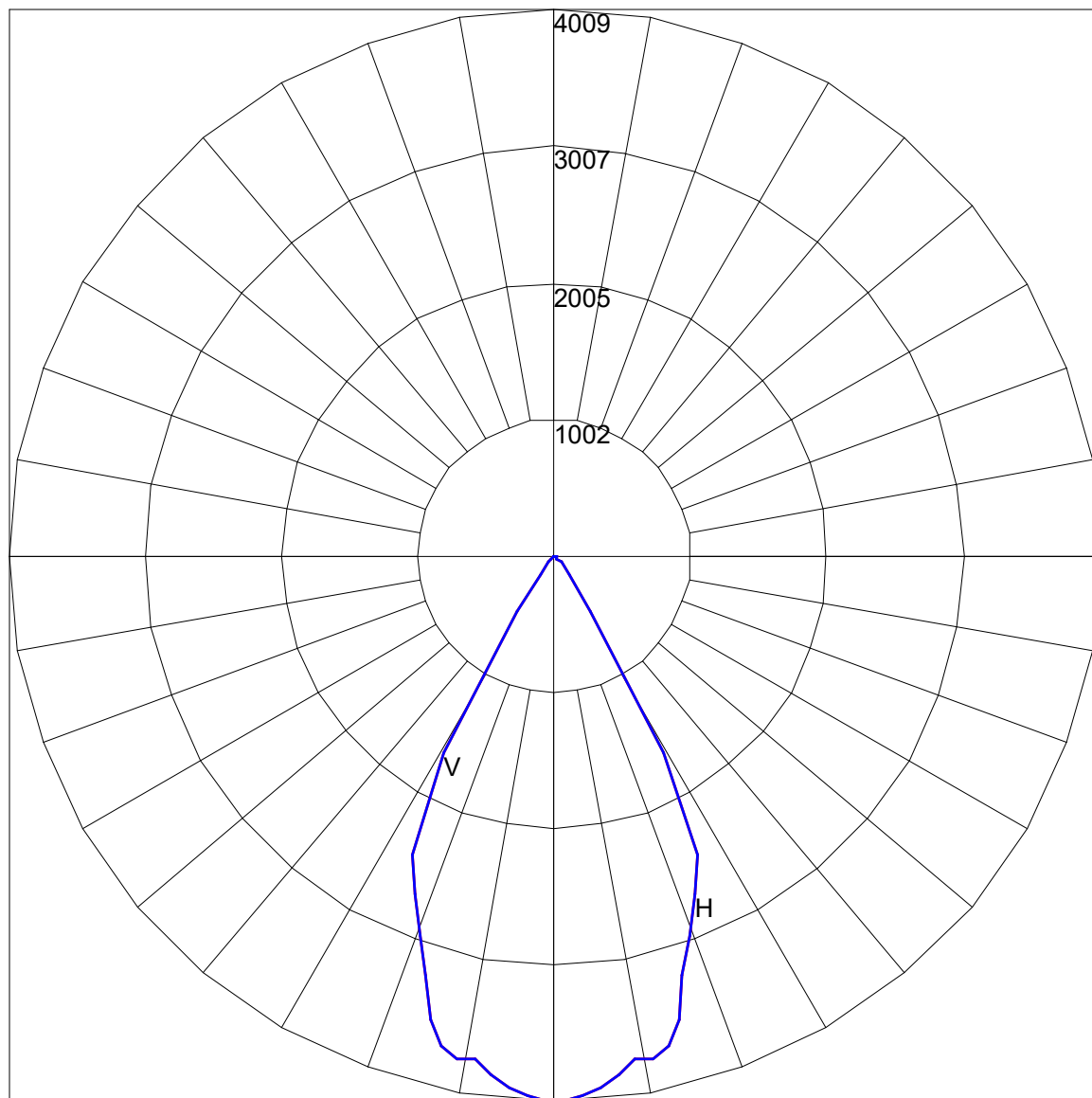
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	1	0	0	0	0
65.0	2	1	0	0	0
55.0	3	2	1	0	0
47.5	4	2	1	0	0
42.5	5	3	1	0	0
37.5	6	3	1	0	0
33.0	7	4	2	0	0
29.0	8	4	2	0	0
25.5	9	4	2	0	0
22.5	9	4	2	0	0
19.5	10	5	2	0	0
17.0	10	5	2	0	0
15.0	10	5	2	0	0
13.0	10	5	2	0	0
11.0	11	5	2	0	0
9.0	11	5	2	0	0

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : L032511504.IES

CANDELA TABULATION - (Cont.)

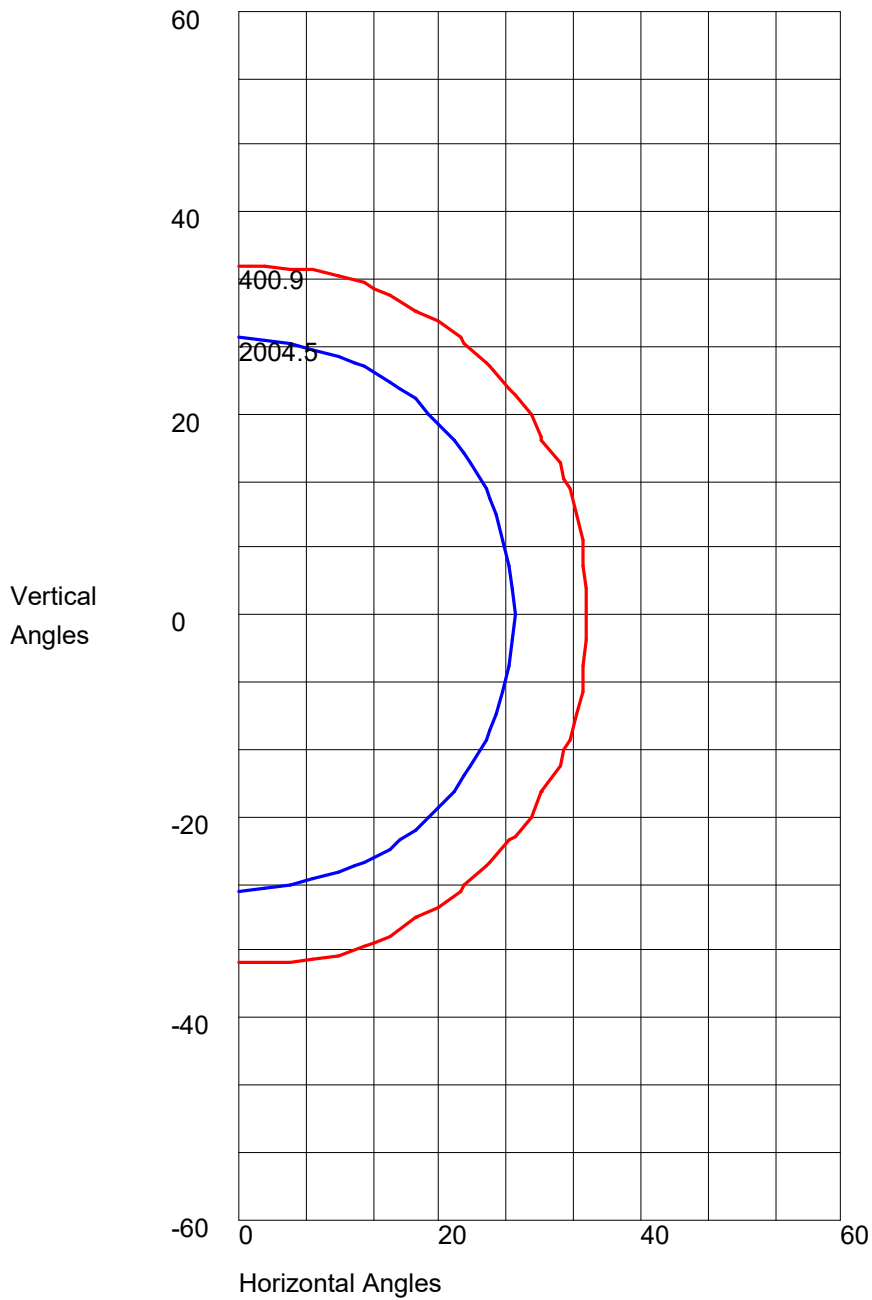
7.0	11	5	2	0	0
5.0	11	5	2	0	0
3.0	11	5	2	0	0
1.0	11	5	2	0	0
0.0	11	5	2	0	0
-1.0	11	5	2	0	0
-3.0	11	5	2	0	0
-5.0	11	5	2	0	0
-7.0	11	5	2	0	0
-9.0	11	5	2	0	0
-11.0	11	5	2	0	0
-13.0	10	5	2	0	0
-15.0	10	5	2	0	0
-17.0	10	5	2	0	0
-19.5	10	5	2	0	0
-22.5	9	4	2	0	0
-25.5	9	4	2	0	0
-29.0	8	4	2	0	0
-33.0	7	4	2	0	0
-37.5	6	3	1	0	0
-42.5	5	3	1	0	0
-47.5	4	2	1	0	0
-55.0	3	2	1	0	0
-65.0	2	1	0	0	0
-75.0	1	0	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 4009 Located At Horizontal Angle = -1, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 4009 Located At Horizontal Angle = -1, Vertical Angle = 0  
50% Maximum Candela = 2004.5  
10% Maximum Candela = 400.9