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

NVLAP TESTING
NVLAP LAB CODE 200927-0

Report No: L012610301 **Issue Date: 1/28/2026**
Amendment: N/A **Revision Date: N/A**

Report Prepared For: Mega-Lite
18662 Bandera Road, Helotes, TX 78023

Model Number: 7075 - Narrow

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 settings to "Narrow" per manufacturer instructions.

Date of Tests: 1/27/26

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

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General Information	
Manufacturer:	Mega-Lite
Model Number:	7075 - Narrow
Driver Model Number:	Custom

Test Summary	
Total Lumens:	11703.00
Efficacy:	7.70
Color Redering Index:	70.5
Correlated Color Temperature:	7446
Input Voltage (VAC/60Hz):	240.04
Input Current (Amp):	6.4375
Input Power (W):	1519.50
Input Power Factor:	0.9833
Current ATHD (%):	12.1%

Test Condition	
Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	1:10
Total Operating Time (Hours):	1:45

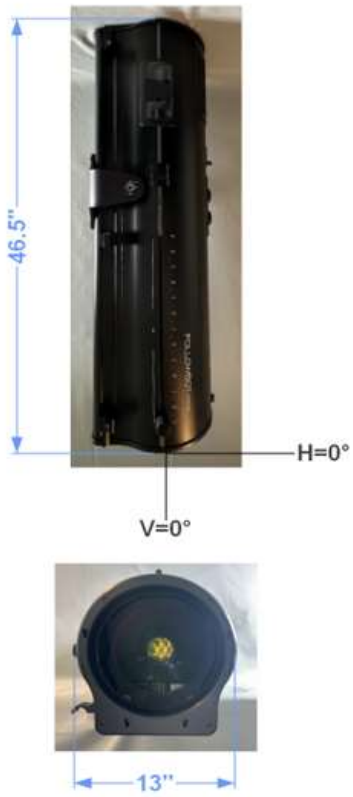

FIG. 1 LUMINAIRE

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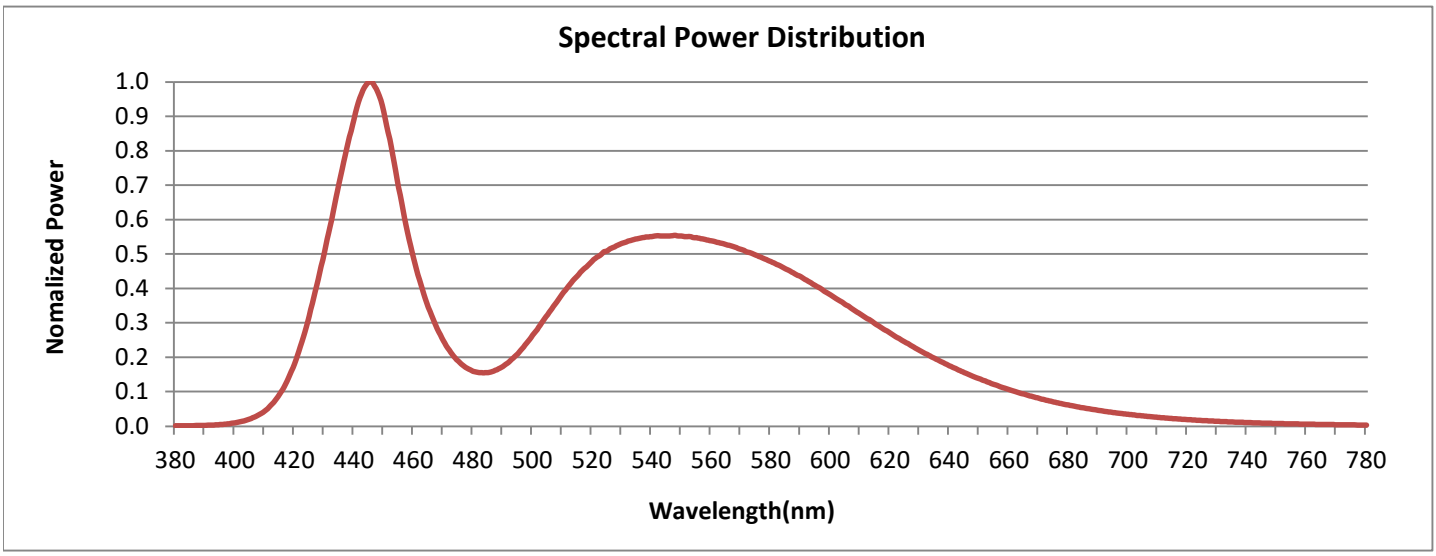
Colorimetry Test Results

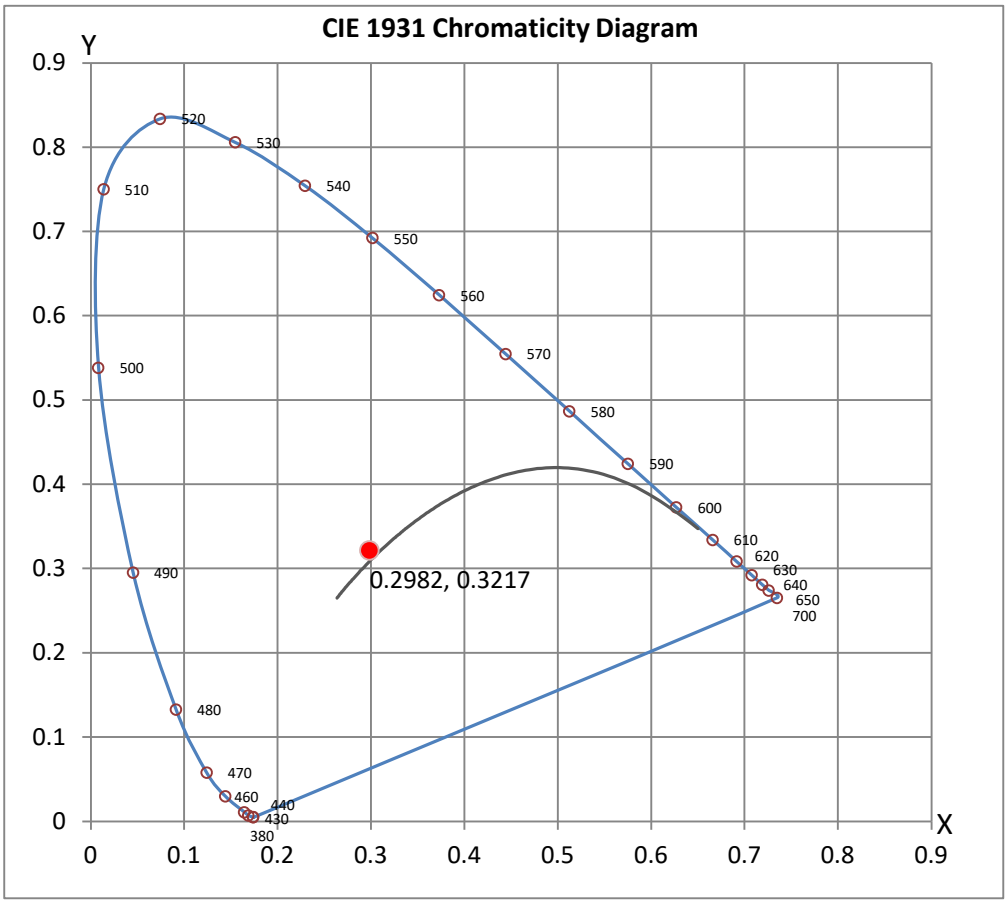


CRI & CCT

x	0.2982
y	0.3217
u'	0.1904
v'	0.4622
CRI	70.50
CCT	7446
Duv	0.00708

R Values

R1	67.43
R2	72.77
R3	76.34
R4	71.75
R5	70.06
R6	65.82
R7	80.00
R8	59.72
R9	-40.23
R10	35.46
R11	70.14
R12	46.71
R13	67.50
R14	86.11
R15	61.79



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:
Jason Gee

**Attached are photometric data reports.*

Addendum A

Report Amendment Log

Date	Reference No.	Revision Description	Revision By

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

Photometric Test Report

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L012610301
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 1/28/2026
[MANUFAC] Mega-Lite
[LUMCAT] 7075 - Narrow
[LUMINAIRE] 1500 Watt LED Followspot
[BALLASTCAT] Custom
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 110VAC
[TEST PROCEDURE] IESNA:LM-79-19

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

CHARACTERISTICS

NEMA Type	0 H x 0 V
Maximum Candela	3865661
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	2.9
Vertical Beam Angle (50%)	2.9
Horizontal Field Angle (10%)	5.5
Vertical Field Angle (10%)	5.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3258
Beam Efficiency	N.A.
Field Lumens	11220
Field Efficiency	N.A.
Spill Lumens	483
Luminaire Lumens	11703
Total Efficiency	N.A.
Total Luminaire Watts	1519.5
Ballast Factor	1.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	1	90	1
85	1	85	1
75	1	75	1
65	2	65	2
55	5	55	5
47.5	13	47.5	13
42.5	21	42.5	21
37.5	33	37.5	33
33	45	33	45
29	66	29	66
25.5	121	25.5	121
22.5	142	22.5	142
19.5	101	19.5	101
17	91	17	91
15	99	15	99
13	118	13	118
11	394	11	394
9	949	9	949
7	787	7	787
5	1036	5	1036
3	63048	3	63048
1	2448171	1	2448171
0	3865661	0	3865661
-1	2448171	-1	2448171
-3	63048	-3	63048
-5	1036	-5	1036
-7	787	-7	787
-9	949	-9	949
-11	394	-11	394
-13	118	-13	118
-15	99	-15	99
-17	91	-17	91
-19.5	101	-19.5	101
-22.5	142	-22.5	142
-25.5	121	-25.5	121
-29	66	-29	66
-33	45	-33	45
-37.5	33	-37.5	33
-42.5	21	-42.5	21
-47.5	13	-47.5	13
-55	5	-55	5
-65	2	-65	2
-75	1	-75	1
-85	1	-85	1
-90	1	-90	1

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

CANDELA TABULATION
Maximum Candela = 3865661
Beam Edge = 1932830.5 Cd (50% of Max.)
Field Edge = 386566.1 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	1	1	1	1	1	1	1	1	1	1
85.0	1	1	1	1	1	1	1	1	1	1
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	1	1	1	1
55.0	1	1	1	1	1	2	2	2	3	3
47.5	1	1	1	1	2	2	3	4	5	6
42.5	1	1	1	1	2	3	4	6	8	9
37.5	1	1	1	1	2	4	6	8	11	15
33.0	1	1	1	1	3	5	8	11	16	20
29.0	1	1	1	1	3	6	9	15	20	26
25.5	1	1	1	1	3	7	11	17	24	32
22.5	1	1	1	2	4	8	13	20	28	36
19.5	1	1	1	2	4	9	15	23	32	41
17.0	1	1	1	2	4	9	16	25	35	45
15.0	1	1	1	2	4	10	17	26	37	47
13.0	1	1	1	2	5	11	18	28	38	50
11.0	1	1	1	2	5	11	19	29	40	52
9.0	1	1	1	2	5	12	19	30	42	54
7.0	1	1	1	2	5	12	20	31	43	58
5.0	1	1	1	2	5	12	21	32	44	61
3.0	1	1	1	2	5	12	21	32	45	64
1.0	1	1	1	2	5	12	21	32	45	65
0.0	1	1	1	2	5	13	21	33	45	66
-1.0	1	1	1	2	5	12	21	32	45	65
-3.0	1	1	1	2	5	12	21	32	45	64
-5.0	1	1	1	2	5	12	21	32	44	61
-7.0	1	1	1	2	5	12	20	31	43	58
-9.0	1	1	1	2	5	12	19	30	42	54
-11.0	1	1	1	2	5	11	19	29	40	52
-13.0	1	1	1	2	5	11	18	28	38	50
-15.0	1	1	1	2	4	10	17	26	37	47
-17.0	1	1	1	2	4	9	16	25	35	45
-19.5	1	1	1	2	4	9	15	23	32	41
-22.5	1	1	1	2	4	8	13	20	28	36
-25.5	1	1	1	1	3	7	11	17	24	32
-29.0	1	1	1	1	3	6	9	15	20	26
-33.0	1	1	1	1	3	5	8	11	16	20
-37.5	1	1	1	1	2	4	6	8	11	15
-42.5	1	1	1	1	2	3	4	6	8	9
-47.5	1	1	1	1	2	2	3	4	5	6
-55.0	1	1	1	1	1	2	2	2	3	3
-65.0	1	1	1	1	1	1	1	1	1	1
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	1	1	1	1	1	1	1	1	1	1

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	1	1	1	1	1	1	1	1	1	1
85.0	1	1	1	1	1	1	1	1	1	1
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	2	2	2	2	2	2	2	2	2
55.0	3	4	4	4	4	5	5	5	5	5
47.5	7	8	9	9	10	11	11	12	12	12
42.5	11	13	15	16	17	18	19	19	20	21
37.5	17	20	23	25	26	28	29	30	31	32
33.0	24	28	32	35	37	38	40	42	43	44
29.0	32	36	41	45	47	50	52	54	58	61
25.5	38	44	50	54	62	72	83	96	107	115
22.5	44	51	61	77	98	116	129	139	141	141
19.5	50	61	89	119	135	141	142	131	118	108
17.0	54	77	119	141	142	129	109	98	89	87
15.0	62	98	135	142	126	104	91	89	93	96
13.0	72	116	141	129	104	89	91	96	100	104
11.0	83	129	142	109	91	91	97	102	118	133
9.0	96	139	131	98	89	96	102	122	293	580
7.0	107	141	118	89	93	100	118	293	687	966
5.0	115	141	108	87	96	104	133	580	966	787
3.0	119	142	103	89	98	113	290	807	911	761
1.0	121	142	101	90	99	117	382	949	787	1036
0.0	121	142	101	91	99	118	394	949	787	1036
-1.0	121	142	101	90	99	117	382	949	787	1036
-3.0	119	142	103	89	98	113	290	807	911	761
-5.0	115	141	108	87	96	104	133	580	966	787
-7.0	107	141	118	89	93	100	118	293	687	966
-9.0	96	139	131	98	89	96	102	122	293	580
-11.0	83	129	142	109	91	91	97	102	118	133
-13.0	72	116	141	129	104	89	91	96	100	104
-15.0	62	98	135	142	126	104	91	89	93	96
-17.0	54	77	119	141	142	129	109	98	89	87
-19.5	50	61	89	119	135	141	142	131	118	108
-22.5	44	51	61	77	98	116	129	139	141	141
-25.5	38	44	50	54	62	72	83	96	107	115
-29.0	32	36	41	45	47	50	52	54	58	61
-33.0	24	28	32	35	37	38	40	42	43	44
-37.5	17	20	23	25	26	28	29	30	31	32
-42.5	11	13	15	16	17	18	19	19	20	21
-47.5	7	8	9	9	10	11	11	12	12	12
-55.0	3	4	4	4	4	5	5	5	5	5
-65.0	1	2	2	2	2	2	2	2	2	2
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	1	1	1	1	1	1	1	1	1	1

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	1	1	1	1	1	1	1	1	1	1
85.0	1	1	1	1	1	1	1	1	1	1
75.0	1	1	1	1	1	1	1	1	1	1
65.0	2	2	2	2	2	2	2	2	2	2

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

CANDELA TABULATION - (Cont.)

55.0	5	5	5	5	5	5	5	5	5	5
47.5	12	12	13	12	12	12	12	12	11	11
42.5	21	21	21	21	21	21	20	19	19	18
37.5	32	32	33	32	32	32	31	30	29	28
33.0	45	45	45	45	45	44	43	42	40	38
29.0	64	65	66	65	64	61	58	54	52	50
25.5	119	121	121	121	119	115	107	96	83	72
22.5	142	142	142	142	142	141	141	139	129	116
19.5	103	101	101	101	103	108	118	131	142	141
17.0	89	90	91	90	89	87	89	98	109	129
15.0	98	99	99	99	98	96	93	89	91	104
13.0	113	117	118	117	113	104	100	96	91	89
11.0	290	382	394	382	290	133	118	102	97	91
9.0	807	949	949	949	807	580	293	122	102	96
7.0	911	787	787	787	911	966	687	293	118	100
5.0	761	1036	1036	1036	761	787	966	580	133	104
3.0	2139	53230	63048	53230	2139	761	911	807	290	113
1.0	53230	1932424	*2448171	*1932424	*53230	1036	787	949	382	117
0.0	63048	2448171	*3865661	*2448171	*63048	1036	787	949	394	118
-1.0	53230	1932424	*2448171	*1932424	*53230	1036	787	949	382	117
-3.0	2139	53230	63048	53230	2139	761	911	807	290	113
-5.0	761	1036	1036	1036	761	787	966	580	133	104
-7.0	911	787	787	787	911	966	687	293	118	100
-9.0	807	949	949	949	807	580	293	122	102	96
-11.0	290	382	394	382	290	133	118	102	97	91
-13.0	113	117	118	117	113	104	100	96	91	89
-15.0	98	99	99	99	98	96	93	89	91	104
-17.0	89	90	91	90	89	87	89	98	109	129
-19.5	103	101	101	101	103	108	118	131	142	141
-22.5	142	142	142	142	142	141	141	139	129	116
-25.5	119	121	121	121	119	115	107	96	83	72
-29.0	64	65	66	65	64	61	58	54	52	50
-33.0	45	45	45	45	45	44	43	42	40	38
-37.5	32	32	33	32	32	32	31	30	29	28
-42.5	21	21	21	21	21	21	20	19	19	18
-47.5	12	12	13	12	12	12	12	12	11	11
-55.0	5	5	5	5	5	5	5	5	5	5
-65.0	2	2	2	2	2	2	2	2	2	2
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	1	1	1	1	1	1	1	1	1	1

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	1	1	1	1	1	1	1	1	1	1
85.0	1	1	1	1	1	1	1	1	1	1
75.0	1	1	1	1	1	1	1	1	1	1
65.0	2	2	2	2	1	1	1	1	1	1
55.0	4	4	4	4	3	3	3	2	2	2
47.5	10	9	9	8	7	6	5	4	3	2
42.5	17	16	15	13	11	9	8	6	4	3
37.5	26	25	23	20	17	15	11	8	6	4
33.0	37	35	32	28	24	20	16	11	8	5
29.0	47	45	41	36	32	26	20	15	9	6
25.5	62	54	50	44	38	32	24	17	11	7

CANDELA TABULATION - (Cont.)

22.5	98	77	61	51	44	36	28	20	13	8
19.5	135	119	89	61	50	41	32	23	15	9
17.0	142	141	119	77	54	45	35	25	16	9
15.0	126	142	135	98	62	47	37	26	17	10
13.0	104	129	141	116	72	50	38	28	18	11
11.0	91	109	142	129	83	52	40	29	19	11
9.0	89	98	131	139	96	54	42	30	19	12
7.0	93	89	118	141	107	58	43	31	20	12
5.0	96	87	108	141	115	61	44	32	21	12
3.0	98	89	103	142	119	64	45	32	21	12
1.0	99	90	101	142	121	65	45	32	21	12
0.0	99	91	101	142	121	66	45	33	21	13
-1.0	99	90	101	142	121	65	45	32	21	12
-3.0	98	89	103	142	119	64	45	32	21	12
-5.0	96	87	108	141	115	61	44	32	21	12
-7.0	93	89	118	141	107	58	43	31	20	12
-9.0	89	98	131	139	96	54	42	30	19	12
-11.0	91	109	142	129	83	52	40	29	19	11
-13.0	104	129	141	116	72	50	38	28	18	11
-15.0	126	142	135	98	62	47	37	26	17	10
-17.0	142	141	119	77	54	45	35	25	16	9
-19.5	135	119	89	61	50	41	32	23	15	9
-22.5	98	77	61	51	44	36	28	20	13	8
-25.5	62	54	50	44	38	32	24	17	11	7
-29.0	47	45	41	36	32	26	20	15	9	6
-33.0	37	35	32	28	24	20	16	11	8	5
-37.5	26	25	23	20	17	15	11	8	6	4
-42.5	17	16	15	13	11	9	8	6	4	3
-47.5	10	9	9	8	7	6	5	4	3	2
-55.0	4	4	4	4	3	3	3	2	2	2
-65.0	2	2	2	2	1	1	1	1	1	1
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	1	1	1	1	1	1	1	1	1	1

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	1	1	1	1	1
85.0	1	1	1	1	1
75.0	1	1	1	1	1
65.0	1	1	1	1	1
55.0	1	1	1	1	1
47.5	2	1	1	1	1
42.5	2	1	1	1	1
37.5	2	1	1	1	1
33.0	3	1	1	1	1
29.0	3	1	1	1	1
25.5	3	1	1	1	1
22.5	4	2	1	1	1
19.5	4	2	1	1	1
17.0	4	2	1	1	1
15.0	4	2	1	1	1
13.0	5	2	1	1	1
11.0	5	2	1	1	1
9.0	5	2	1	1	1

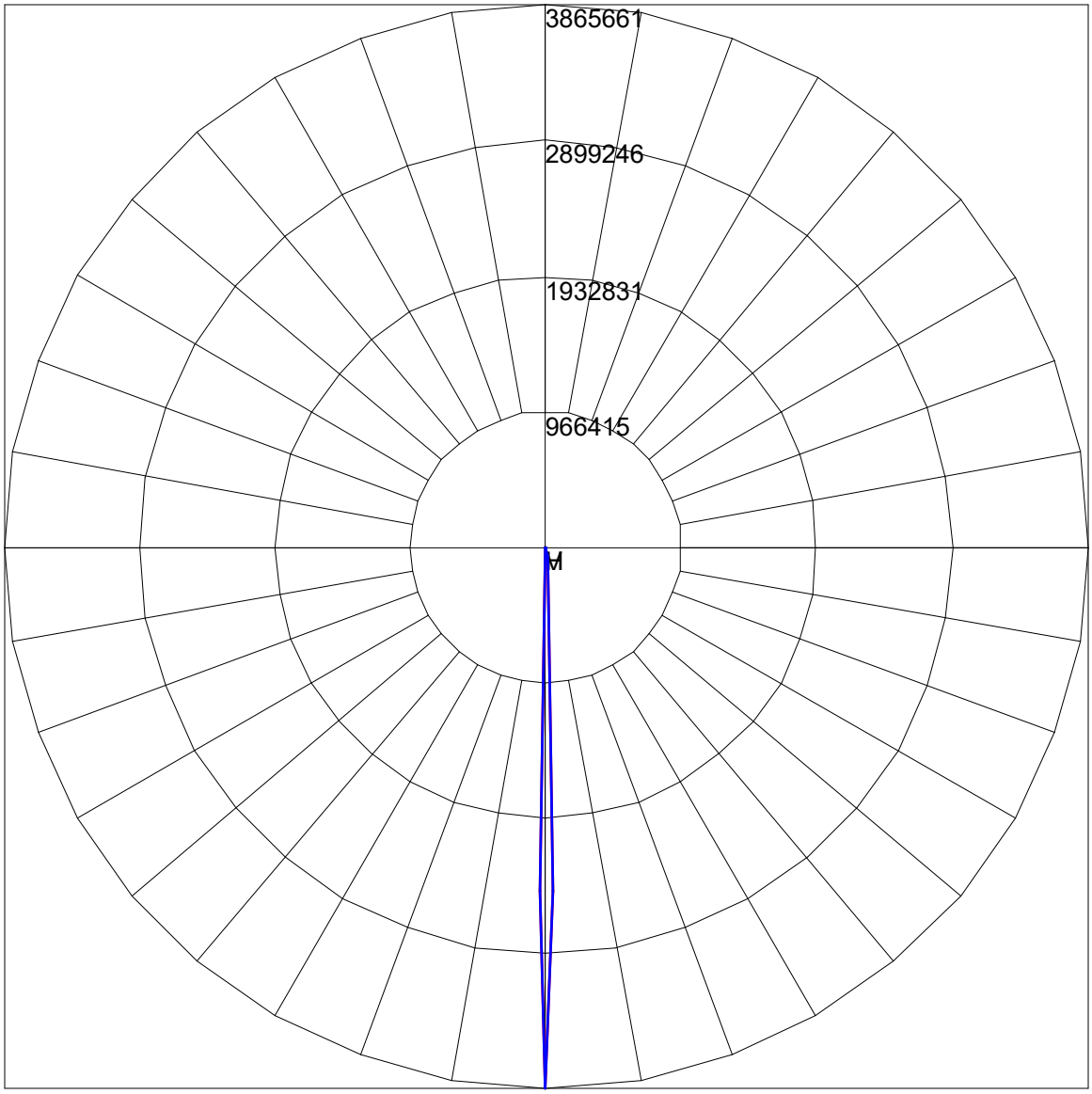
IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

CANDELA TABULATION - (Cont.)

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

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

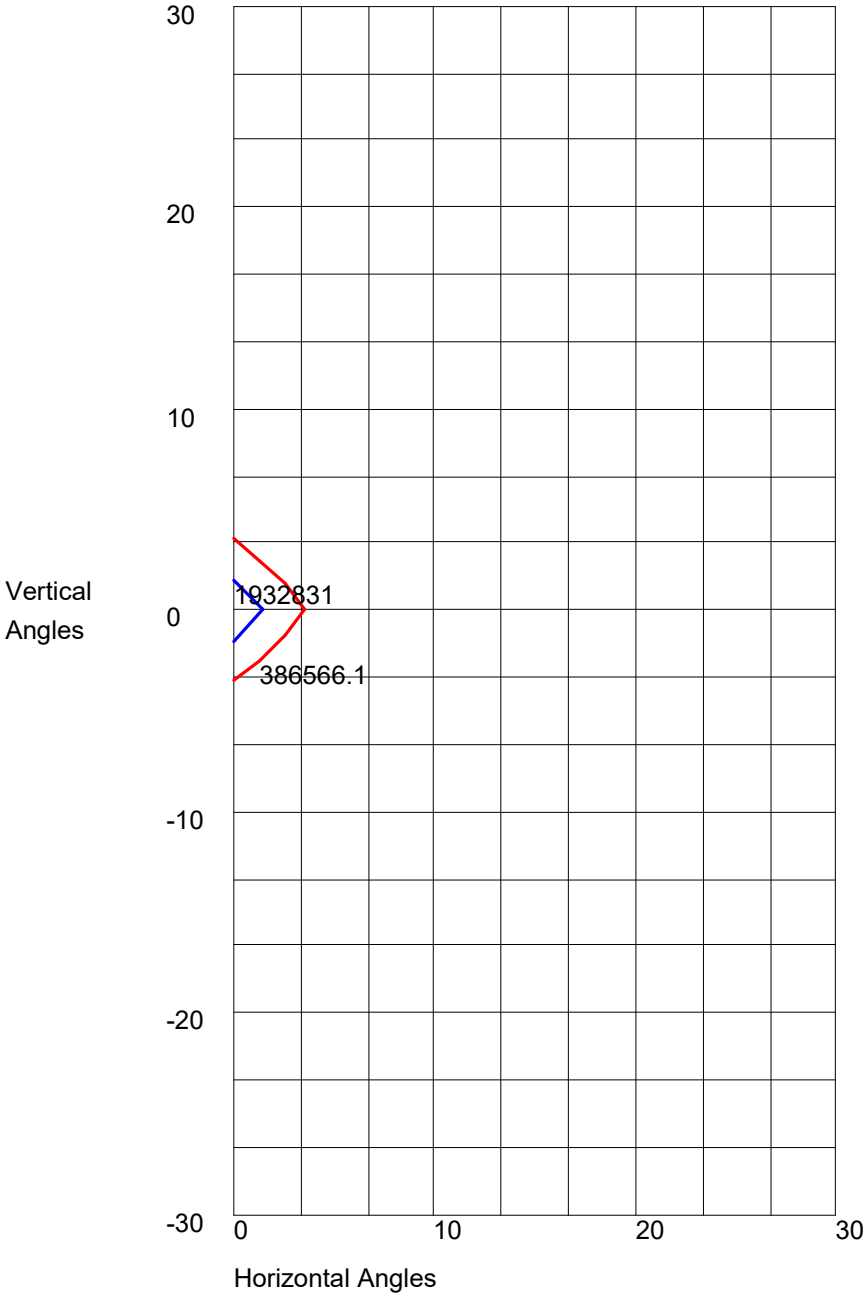
AXIAL CANDELA DISPLAY



Maximum Candela = 3865661 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L012610301.IES

ISOCANDELA CURVES



Maximum Candela = 3865661 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 1932830.5
10% Maximum Candela = 386566.1