LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

Test #: L0410-1904
Date: 04/20/2010

Luminaire Photometric Performance LM-79-2008

Manufacturer:	ELATION LIGHTING
Model Number:	ELAR 108 PAR G

Total Lumens:	732.94
Input Power (W):	26.61
Input Current (Amp):	0.47
Input Power Factor:	0.47
Efficacy:	27.54
Color Rendering Index (CRI):	0.0
Correlated Color Temperature (CCT):	0.0
Chromaticity Ordinate x:	0.171
Chromaticity Ordinate y:	0.676

*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	04/20/10

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 : L04101904.IES

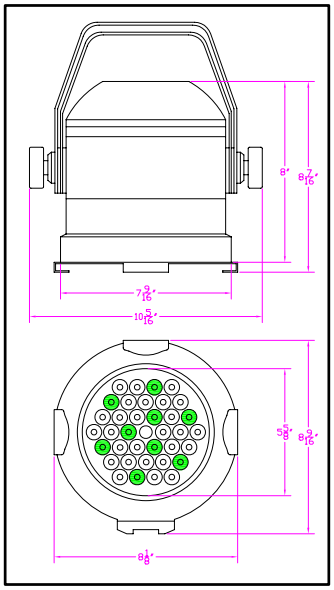
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L0410-1904
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 4/20/2010
[MANUFAC] ELATION LIGHTING
[LUMCAT] ELAR 108 PAR G
[LUMINAIRE] 7-9/16"DIA. X 8"H. HIGH POWER RGBW LED PAR
[MORE] 12 RED LEDS, 9 GREEN LENS, 9 BLUE LEDS AND 6 COOL WHITE LEDS W/20 DEG. OPTIC
[MORE] ONLY GREEN LEDS ARE ON, FLAT TEMPERED GLASS LENS
[BALLAST] 100-240VAC 50/60Hz
[LAMPPOSITION] 0,0
[LAMPCAT] RED, GREEN, BLUE AND COOL WHITE LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 120VAC, 26.61W
[_TEST PROCEDURE] IESNA:LM-79-08

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

CHARACTERISTICS

IES NEMA Type	2 H x 2 V
Maximum Candela	11429
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	11.3
Vertical Beam Angle (50%)	11.3
Horizontal Field Angle (10%)	21.8
Vertical Field Angle (10%)	21.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	222
Beam Efficiency	N.A.
Field Lumens	473
Field Efficiency	N.A.
Spill Lumens	260
Luminaire Lumens	733
Total Efficiency	N.A.
Total Luminaire Watts	26.61
Ballast Factor	1.00



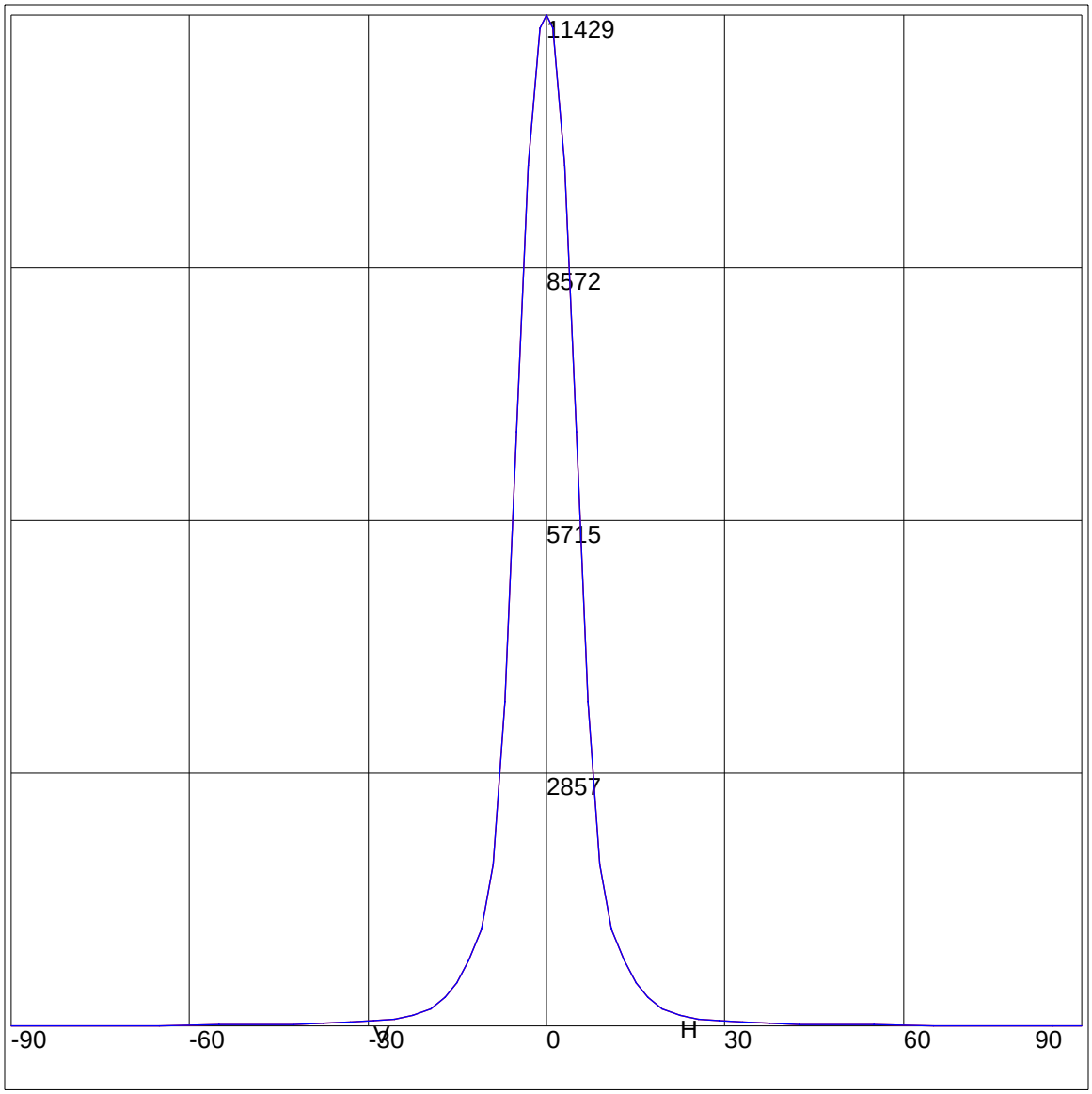
IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04101904.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	6	85	6
75	8	75	8
65	13	65	13
55	17	55	17
47.5	22	47.5	22
42.5	27	42.5	27
37.5	35	37.5	35
33	48	33	48
29	67	29	67
25.5	87	25.5	87
22.5	120	22.5	120
19.5	202	19.5	202
17	337	17	337
15	490	15	490
13	737	13	737
11	1101	11	1101
9	1835	9	1835
7	3674	7	3674
5	6715	5	6715
3	9740	3	9740
1	11277	1	11277
0	11429	0	11429
-1	11277	-1	11277
-3	9740	-3	9740
-5	6715	-5	6715
-7	3674	-7	3674
-9	1835	-9	1835
-11	1101	-11	1101
-13	737	-13	737
-15	490	-15	490
-17	337	-17	337
-19.5	202	-19.5	202
-22.5	120	-22.5	120
-25.5	87	-25.5	87
-29	67	-29	67
-33	48	-33	48
-37.5	35	-37.5	35
-42.5	27	-42.5	27
-47.5	22	-47.5	22
-55	17	-55	17
-65	13	-65	13
-75	8	-75	8
-85	6	-85	6
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04101904.IES

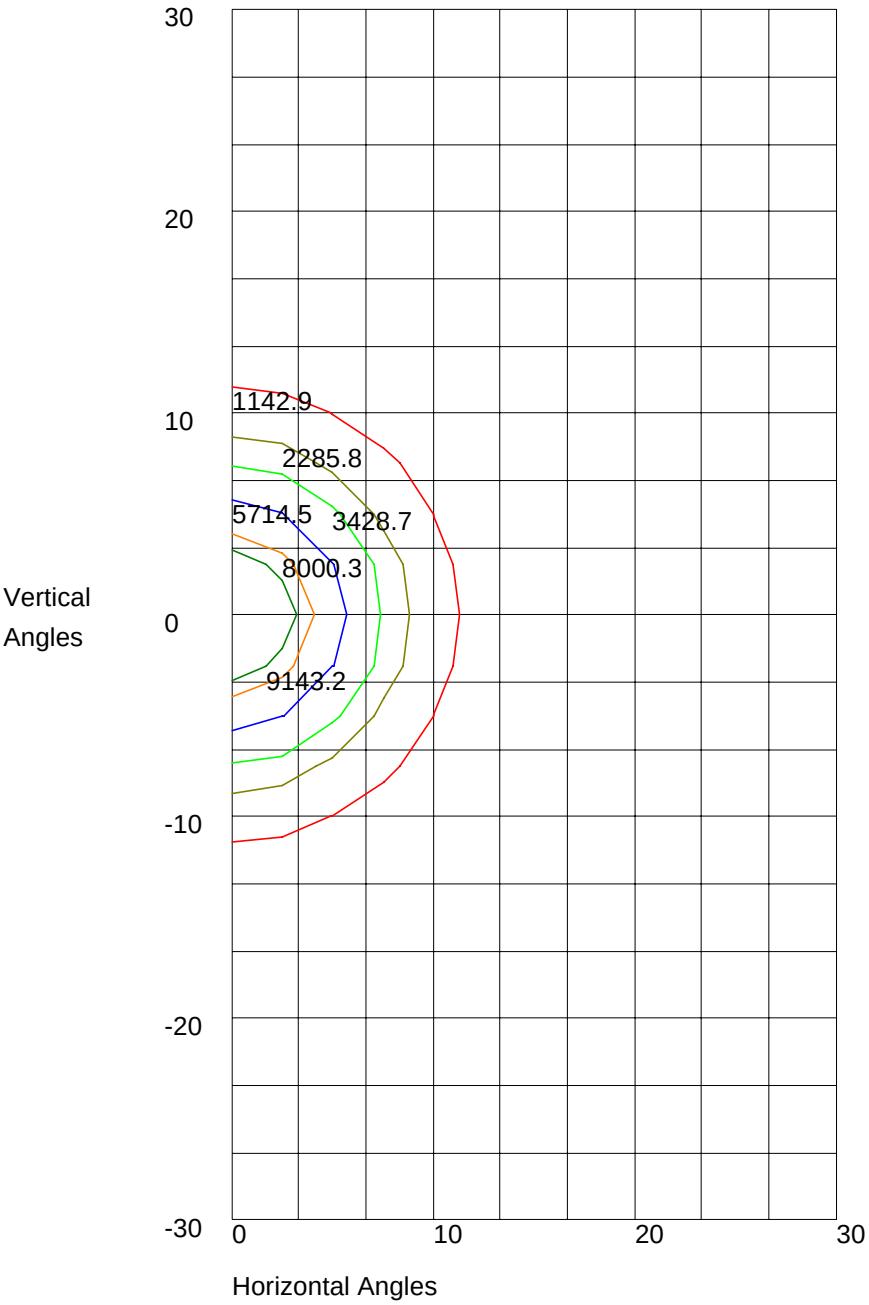
AXIAL CANDELA DISPLAY



Maximum Candela = 11429 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04101904.IES

ISOCANDELA CURVES



Maximum Candela = 11429 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 5714.5
10% Maximum Candela = 1142.9