

LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 1

Test #: L0410-1901

Date: 04/20/2010

Luminaire Photometric Performance LM-79-2008

Manufacturer:	ELATION LIGHTING
Model Number:	ELAR 108 PAR RGBW

Total Lumens:	1671.80
Input Power (W):	86.8
Input Current (Amp):	1.39
Input Power Factor:	0.52
Efficacy:	19.26
Color Rendering Index (CRI):	33.0
Correlated Color Temperature (CCT):	0.0
Chromaticity Ordinate x:	0.248
Chromaticity Ordinate y:	0.195

*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	04/20/10
REV.	LOG NUMBER	REVISION DESCRIPTION	REVISION BY	CHECKED BY	APPROVED BY	DATE



IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04101901.IES

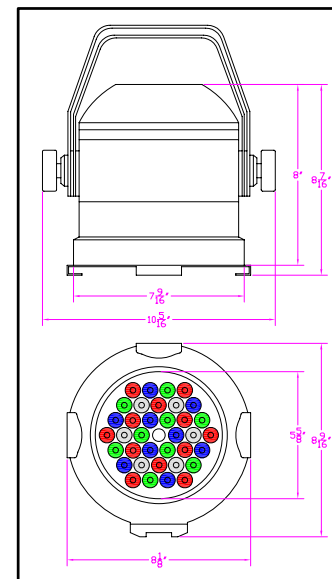
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L0410-1901
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 4/20/2010
[MANUFAC] ELATION LIGHTING
[LUMCAT] ELAR 108 PAR RGBW
[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 WITH OPTIC LENS
[MORE] ALL 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, 86.80W
[_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	25464
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	10.8
Vertical Beam Angle (50%)	10.8
Horizontal Field Angle (10%)	22.6
Vertical Field Angle (10%)	22.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	471
Beam Efficiency	N.A.
Field Lumens	1033
Field Efficiency	N.A.
Spill Lumens	639
Luminaire Lumens	1672
Total Efficiency	N.A.
Total Luminaire Watts	86.8
Ballast Factor	1.00

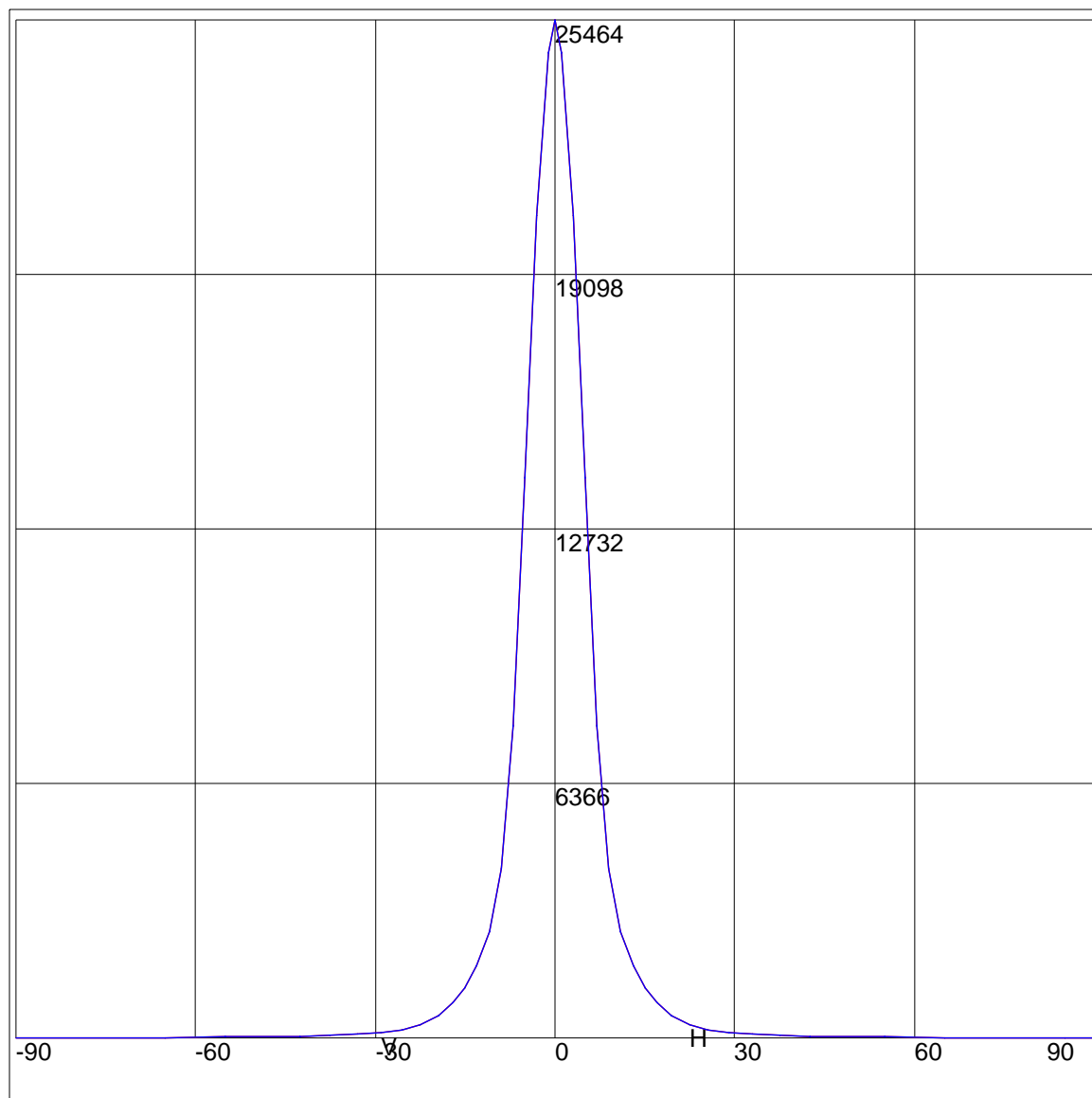


IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04101901.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	14	85	14
75	19	75	19
65	30	65	30
55	41	55	41
47.5	53	47.5	53
42.5	64	42.5	64
37.5	84	37.5	84
33	114	33	114
29	163	29	163
25.5	225	25.5	225
22.5	334	22.5	334
19.5	562	19.5	562
17	889	17	889
15	1264	15	1264
13	1811	13	1811
11	2671	11	2671
9	4240	9	4240
7	7809	7	7809
5	14020	5	14020
3	20571	3	20571
1	24653	1	24653
0	25464	0	25464
-1	24653	-1	24653
-3	20571	-3	20571
-5	14020	-5	14020
-7	7809	-7	7809
-9	4240	-9	4240
-11	2671	-11	2671
-13	1811	-13	1811
-15	1264	-15	1264
-17	889	-17	889
-19.5	562	-19.5	562
-22.5	334	-22.5	334
-25.5	225	-25.5	225
-29	163	-29	163
-33	114	-33	114
-37.5	84	-37.5	84
-42.5	64	-42.5	64
-47.5	53	-47.5	53
-55	41	-55	41
-65	30	-65	30
-75	19	-75	19
-85	14	-85	14
-90	0	-90	0

AXIAL CANDELA DISPLAY

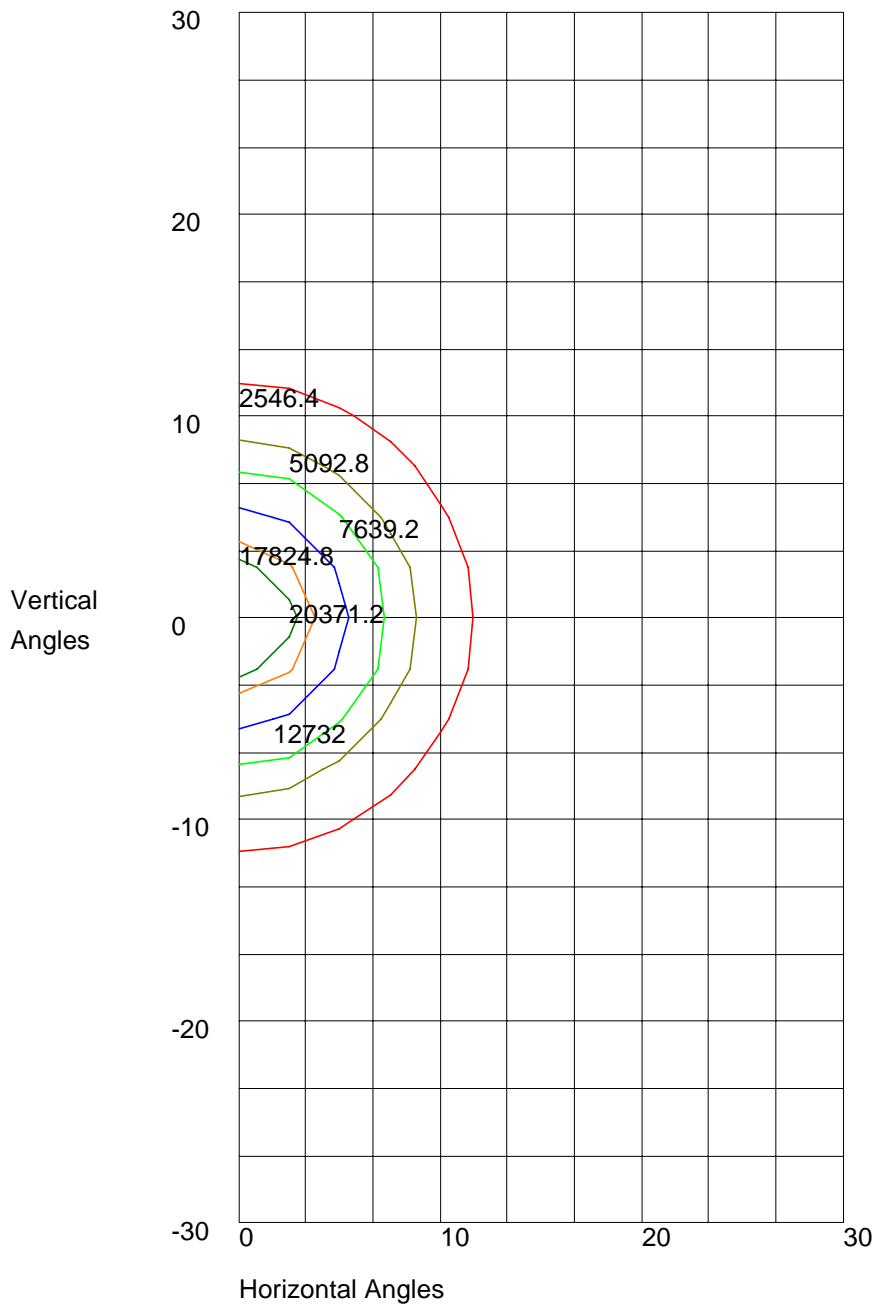


Maximum Candela = 25464 Located At Horizontal Angle = 0, Vertical Angle = 0

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 25464 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 12732
10% Maximum Candela = 2546.4