LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

Test #: L0410-1905
Date: 04/20/2010

Luminaire Photometric Performance LM-79-2008

Manufacturer:	ELATION LIGHTING
Model Number:	ELAR 108 PAR B

Total Lumens:	187.14
Input Power (W):	26.71
Input Current (Amp):	0.47
Input Power Factor:	0.47
Efficacy:	7.01
Color Rendering Index (CRI):	0.0
Correlated Color Temperature (CCT):	0.0
Chromaticity Ordinate x:	0.147
Chromaticity Ordinate y:	0.035

*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

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IES SUSTAINING MEMBER

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L04101905.IES

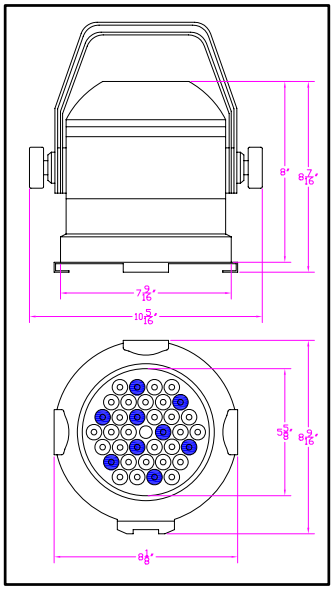
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L0410-1904
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 4/20/2010
[MANUFAC] ELATION LIGHTING
[LUMCAT] ELAR 108 PAR B
[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 BLUE 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, 26.71W
[_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	3244
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	10.3
Vertical Beam Angle (50%)	10.3
Horizontal Field Angle (10%)	20.9
Vertical Field Angle (10%)	20.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	58
Beam Efficiency	N.A.
Field Lumens	117
Field Efficiency	N.A.
Spill Lumens	70
Luminaire Lumens	187
Total Efficiency	N.A.
Total Luminaire Watts	26.71
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	2
75	2	75	2
65	3	65	3
55	5	55	5
47.5	6	47.5	6
42.5	7	42.5	7
37.5	9	37.5	9
33	13	33	13
29	18	29	18
25.5	24	25.5	24
22.5	32	22.5	32
19.5	51	19.5	51
17	83	17	83
15	124	15	124
13	183	13	183
11	275	11	275
9	448	9	448
7	895	7	895
5	1679	5	1679
3	2543	3	2543
1	3125	1	3125
0	3244	0	3244
-1	3125	-1	3125
-3	2543	-3	2543
-5	1679	-5	1679
-7	895	-7	895
-9	448	-9	448
-11	275	-11	275
-13	183	-13	183
-15	124	-15	124
-17	83	-17	83
-19.5	51	-19.5	51
-22.5	32	-22.5	32
-25.5	24	-25.5	24
-29	18	-29	18
-33	13	-33	13
-37.5	9	-37.5	9
-42.5	7	-42.5	7
-47.5	6	-47.5	6
-55	5	-55	5
-65	3	-65	3
-75	2	-75	2
-85	2	-85	2
-90	0	-90	0

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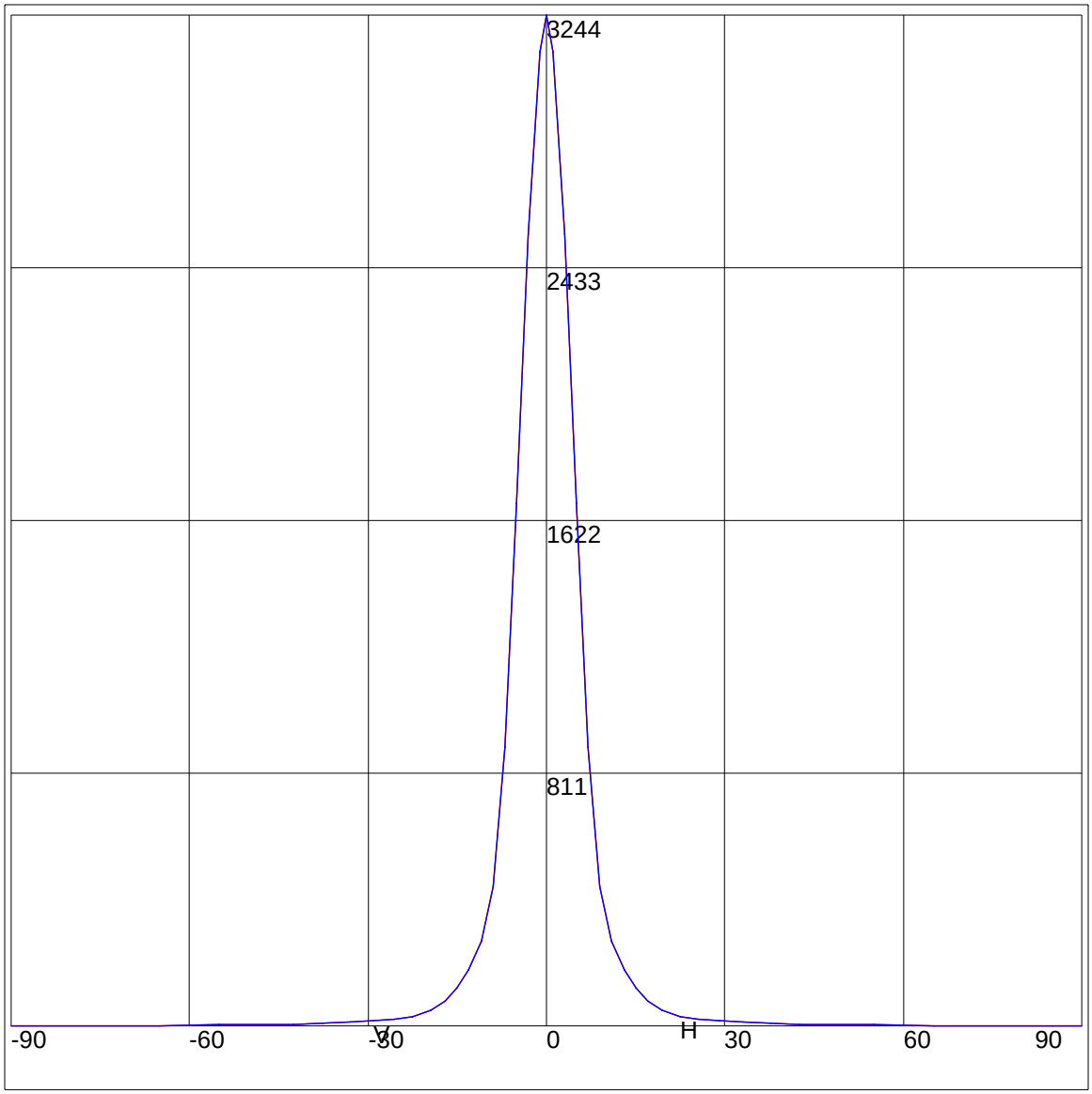
PHOTOMETRIC FILENAME : L04101905.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 3244 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
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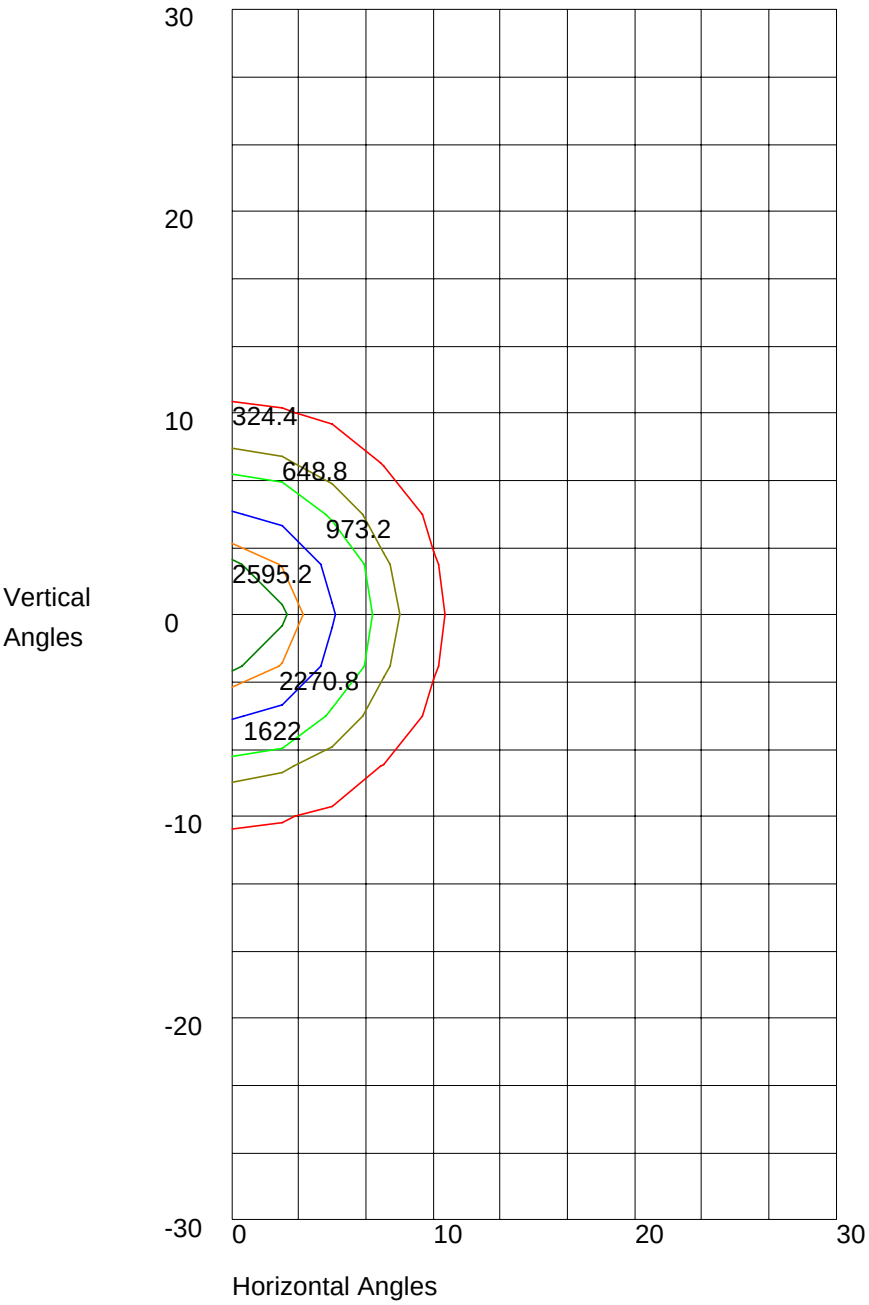
ISOCANDELA CURVES



Maximum Candela = 3244 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 1622
10% Maximum Candela = 324.4