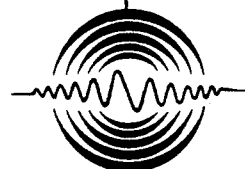


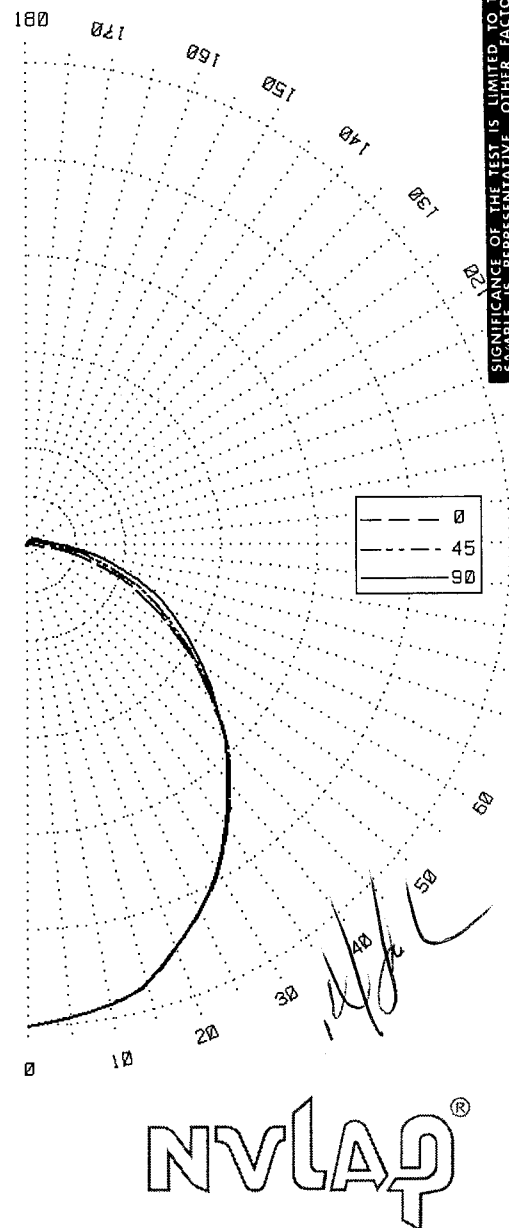
# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

1618 HEADLAND DR.  
FENTON, MO 63026  
(636) - 343-6006  
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 17895.0 DATE 01/27/14  
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO  
DESCRIPTION: 256 LEDS (32 PER BOARD) 4' ENCLOSED/GASKETED LUMINAIRE  
RAW ALUM REFLECTOR W/FROSTED ACRYLIC DROP LENS  
THOMAS RESEARCH LED DRIVER #TRC-152Q070DT WATTS=151.0  
CATALOG NBR: CT4/4i-LED-SMW-4-CC-UPDATE-H-840-U  
LAMP TYPE : UPDATE SYSTEMS LCC-22x32 LUMENS NA. NBR. LAMPS:- 1

CANDLEPOWER DISTRIBUTION						
VERT	HORIZONTAL ANGLE					ZONAL
ANG	0	22.5	45	67.5	90	LUMENS
0	5129.	5129.	5129.	5129.	5129.	
5	5060.	5060.	5058.	5056.	5056.	482.8
10	4976.	4970.	4970.	4970.	4970.	
15	4859.	4859.	4849.	4847.	4845.	1375.3
20	4587.	4583.	4579.	4567.	4565.	
25	4325.	4323.	4323.	4309.	4307.	1998.4
30	4045.	4041.	4033.	4019.	4011.	
35	3689.	3693.	3681.	3667.	3655.	2310.7
40	3333.	3339.	3337.	3314.	3294.	
45	2978.	2990.	2998.	2970.	2966.	2309.6
50	2543.	2561.	2573.	2575.	2582.	
55	2147.	2169.	2191.	2243.	2271.	1976.5
60	1738.	1772.	1812.	1901.	1943.	
65	1387.	1426.	1500.	1613.	1657.	1504.0
70	1057.	1106.	1206.	1335.	1383.	
75	705.	761.	878.	1005.	1049.	931.3
80	433.	507.	640.	769.	803.	
85	209.	284.	419.	530.	564.	441.9
90	97.	153.	256.	334.	352.	
95	68.	113.	187.	240.	254.	191.3
100	64.	97.	153.	191.	201.	
105	56.	83.	131.	161.	167.	128.7
110	56.	77.	121.	149.	159.	
115	0.	62.	101.	131.	141.	90.5
120	0.	56.	93.	123.	131.	
125	0.	48.	77.	107.	115.	65.1
130	0.	0.	75.	99.	107.	
135	0.	0.	62.	83.	93.	37.1
140	0.	0.	54.	75.	79.	
145	0.	0.	0.	70.	72.	16.5
150	0.	0.	0.	54.	56.	
155	0.	0.	0.	0.	0.	.0
160	0.	0.	0.	0.	0.	
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	
175	0.	0.	0.	0.	0.	.0
180	0.	0.	0.	0.	0.	



NVLAP<sup>®</sup>

NVLAP LAB CODE 200921-0

LUMEN SUMMARY								
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT	
0- 30	3857.	NA.	27.8	90-120	410.	NA.	3.0	
0- 40	6167.	NA.	44.5	90-130	476.	NA.	3.4	
0- 60	10453.	NA.	75.4	90-150	529.	NA.	3.8	
0- 90	13330.	NA.	96.2	90-180	529.	NA.	3.8	

TOTAL LUMINAIRE = 0-180 13860. NA. 100.0

IES SPACING CRITERIA: END= 1.2 DIAGONAL = 1.2 CROSS= 1.2

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VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	9282.	7787.	7704.
55	8252.	6550.	6787.
65	7232.	5474.	6047.
75	6006.	4282.	5115.
85	5275.	3226.	4342.

\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

\*\*\*\*\*

LUMINOUS EFFICACY (LUMENS / WATTS) = 91.8

TESTED IN ACCORDANCE WITH CURRENT IES STANDARDS  
 UTILIZING ABSOLUTE PHOTOMETRY PER LM-79-08

