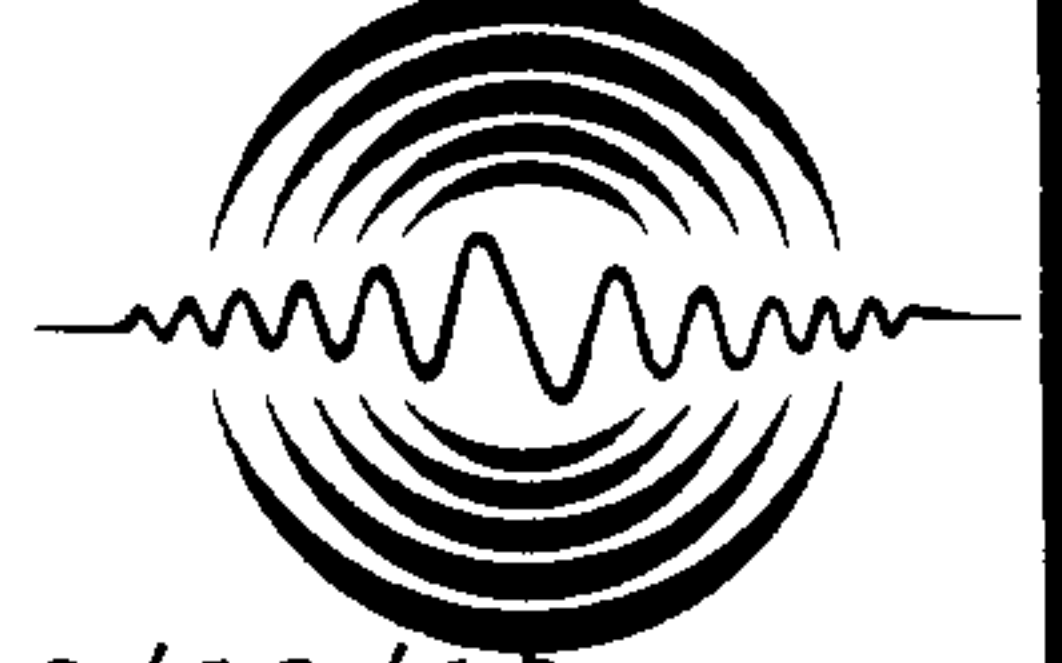


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

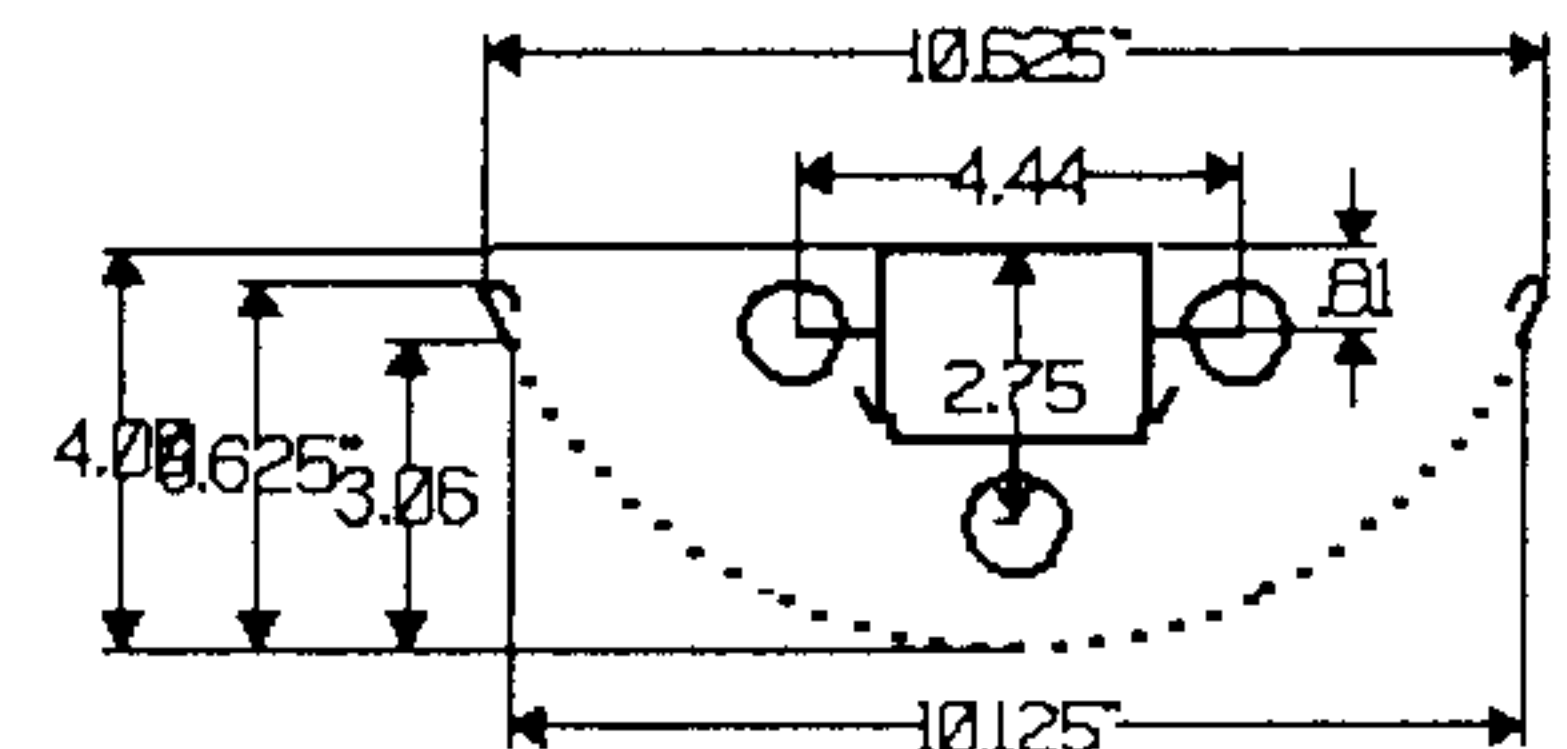
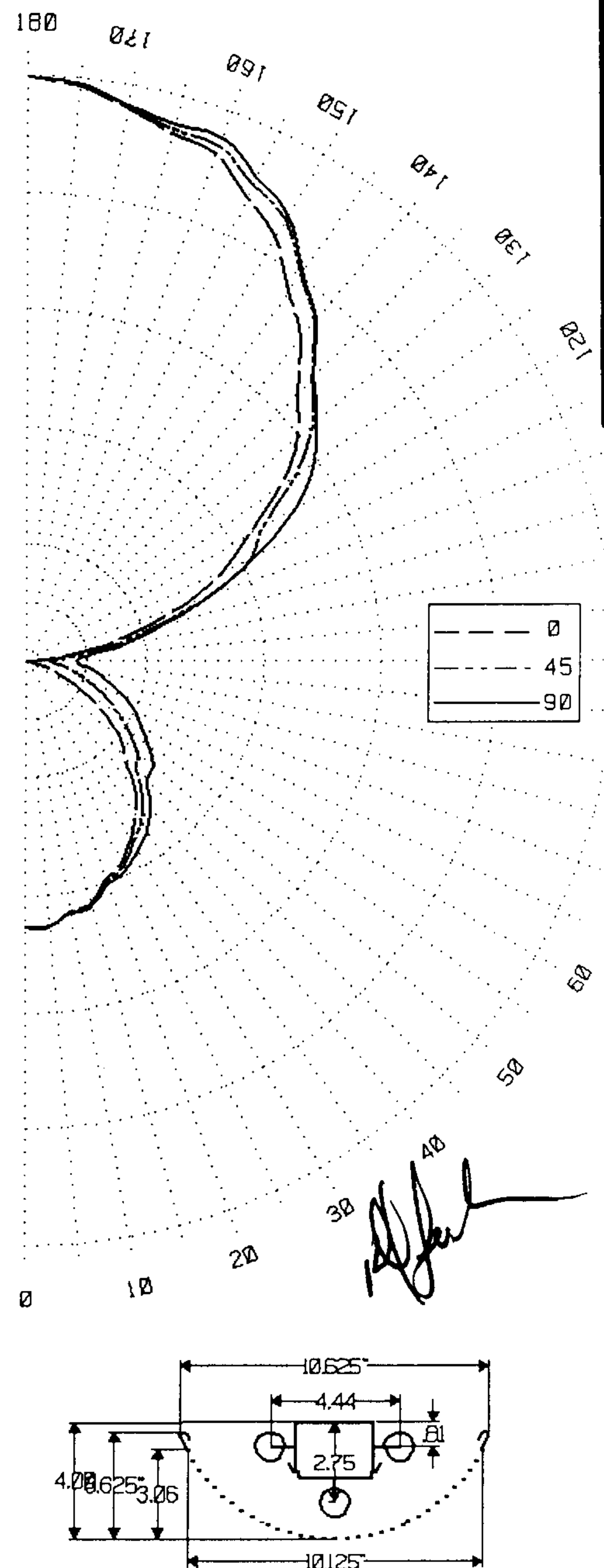
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 15687.0 DATE 08/12/10
 PREPARED FOR: TECHBRITE - CINCINNATI, OH
 DESCRIPTION: 3/32W T8 LAMP 4' ARCHITECTURAL STRIP LUMINAIRE
 WHITE PERFORATED METAL & ACRYLIC DIFFUSER w/OPEN TOP
 GE BALLAST #GE332MV-N-42T WATTS=83.7
 CATALOG NBR: A4113T81BCNQ0000
 LAMP TYPE : FO32T8/835/RS RATED LUMENS 2950. NBR. LAMPS:- 3

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	710.	710.	710.	710.	710.	
5	711.	711.	711.	711.	709.	67.8
10	678.	678.	680.	681.	680.	
15	670.	673.	677.	680.	678.	191.6
20	620.	622.	626.	631.	635.	
25	596.	599.	607.	615.	620.	281.1
30	554.	559.	568.	584.	589.	
35	505.	513.	530.	549.	557.	333.4
40	446.	457.	481.	507.	515.	
45	368.	381.	412.	444.	455.	319.2
50	324.	342.	384.	421.	439.	
55	256.	281.	331.	376.	394.	294.5
60	187.	219.	279.	328.	350.	
65	127.	168.	234.	290.	315.	226.6
70	72.	113.	185.	245.	269.	
75	37.	74.	145.	203.	227.	146.5
80	14.	45.	111.	169.	193.	
85	3.	25.	80.	135.	158.	87.4
90	0.	12.	59.	109.	130.	
95	45.	79.	103.	138.	153.	114.3
100	159.	200.	214.	240.	252.	
105	290.	329.	342.	360.	368.	359.7
110	434.	457.	517.	509.	509.	
115	570.	596.	657.	683.	673.	634.7
120	681.	714.	725.	820.	830.	
125	825.	862.	875.	904.	935.	789.7
130	940.	979.	992.	1003.	1006.	
135	1014.	1050.	1072.	1076.	1077.	821.6
140	1129.	1160.	1189.	1194.	1194.	
145	1210.	1231.	1265.	1274.	1274.	787.1
150	1315.	1333.	1370.	1380.	1383.	
155	1375.	1386.	1412.	1434.	1436.	652.4
160	1454.	1462.	1478.	1494.	1501.	
165	1470.	1476.	1483.	1494.	1497.	420.7
170	1510.	1518.	1517.	1518.	1520.	
175	1552.	1556.	1559.	1559.	1559.	148.7
180	1572.	1572.	1572.	1572.	1572.	



LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	541.	6.1	8.1	90-120	1109.	12.5	16.6
0- 40	874.	9.9	13.1	90-130	1898.	21.5	28.4
0- 60	1488.	16.8	22.3	90-150	3507.	39.6	52.5
0- 90	1948.	22.0	29.2	90-180	4729.	53.4	70.8
TOTAL LUMINAIRE = 0-180					6677.	75.4	100.0

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

SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

BALLABS CERTIFIED TEST REPORT NO.: 15687.0 DATE 08/12/10
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 GE BALLAST #GE332MV-N-42T WATTS=83.7
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 LAMP TYPE : FO32T8/835/RS RATED LUMENS 2950. NBR. LAMPS:- 3

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	1662.	1338.	1478.
55	1425.	1183.	1408.
65	959.	962.	1296.
75	456.	728.	1140.
85	110.	537.	1060.

MAXIMUM BRIGHTNESSES NOT MEASURED

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80				.70				.50				.30				.10				.00													
WALL	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10		
RCR																																		
0	.77	.77	.77	.77	.69	.69	.69	.69	.54	.54	.54	.40	.40	.40	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28
1	.70	.67	.64	.61	.63	.60	.58	.55	.47	.46	.44	.35	.34	.33	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
2	.64	.58	.54	.50	.57	.52	.49	.45	.41	.39	.36	.31	.29	.28	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
3	.58	.51	.46	.42	.52	.46	.42	.38	.37	.33	.31	.28	.25	.24	.19	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18
4	.53	.45	.40	.35	.48	.41	.36	.32	.32	.29	.26	.25	.22	.20	.17	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16
5	.49	.40	.34	.30	.43	.36	.31	.27	.29	.25	.22	.22	.19	.17	.15	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14
6	.45	.36	.30	.26	.40	.33	.27	.24	.26	.22	.19	.20	.17	.15	.14	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12
7	.41	.32	.27	.23	.37	.29	.24	.21	.23	.20	.17	.18	.15	.13	.13	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
8	.38	.29	.24	.20	.34	.27	.22	.18	.21	.18	.15	.16	.14	.12	.11	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
9	.36	.27	.21	.18	.32	.24	.19	.16	.19	.16	.13	.15	.12	.10	.10	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09
10	.33	.24	.19	.16	.30	.22	.17	.14	.18	.14	.12	.13	.11	.09	.09	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES