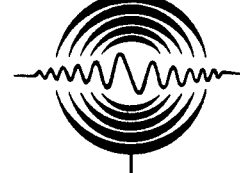


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

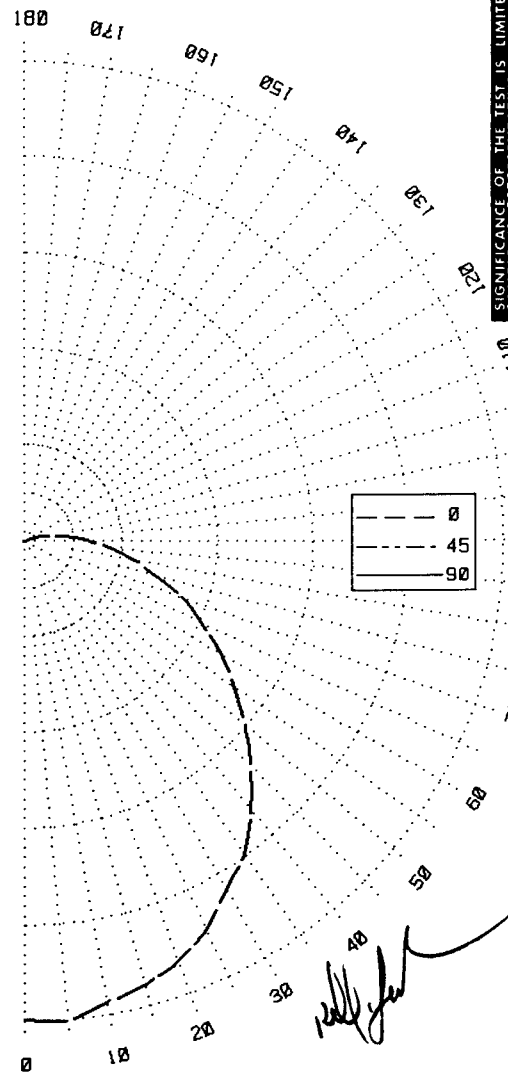
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 12504.0 DATE 12/27/04
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI
 DESCRIPTION: 4/26W QUAD CF LAMP 35.5"DIA FLUSH MOUNT LUMINAIRE
 35.5"DIA STEEL RING w/30"DIA EARTH MARBLE ACRYLIC BOWL
 2 UNIVERSAL BALLAST #C2642UNVSE WATTS=92 REFL=90%
 CATALOG NBR: GL30MF-4/26QCF
 LAMP TYPE : CFQ26W/24q/835 RATED LUMENS 1800. NBR. LAMPS:- 4

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	179.	180
5	180.	172
10	175.	48.6
15	172.	74.2
20	167.	90.1
25	160.	92.8
30	151.	86.0
35	143.	72.5
40	132.	53.6
45	120.	35.7
50	108.	19.5
55	96.	7.8
60	85.	0
65	73.	0
70	63.	0
75	51.	0
80	42.	0
85	33.	0
90	24.	0
95	18.	0
100	12.	0
105	7.	0
110	4.	0
115	0.	0
120	0.	0
125	0.	0
130	0.	0
135	0.	0
140	0.	0
145	0.	0
150	0.	0
155	0.	0
160	0.	0
165	0.	0
170	0.	0
175	0.	0
180	0.	0



LUMEN SUMMARY

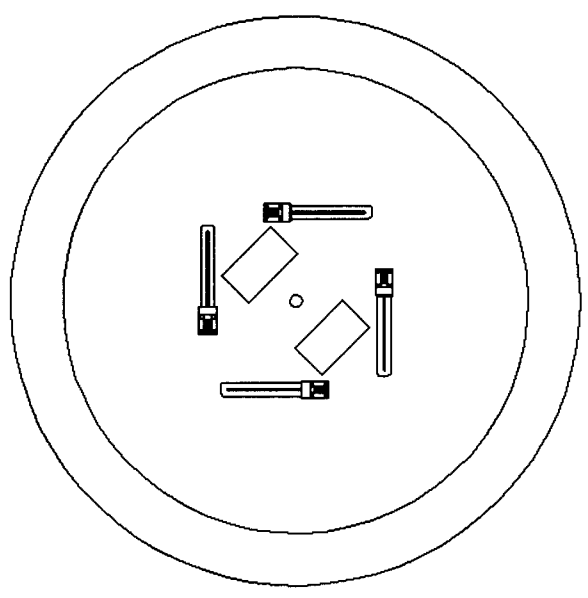
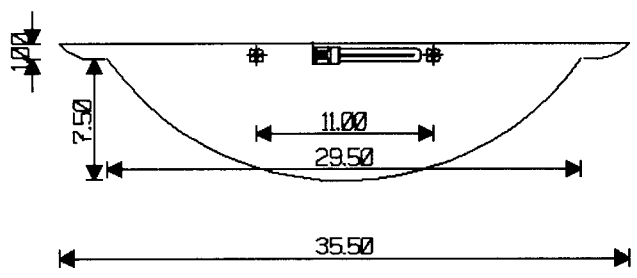
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	140.	1.9	23.4	90-120	27.	.4	4.6
0- 40	230.	3.2	38.5	90-130	27.	.4	4.6
0- 60	409.	5.7	68.4	90-150	27.	.4	4.6
0- 90	571.	7.9	95.4	90-180	27.	.4	4.6

TOTAL LUMINAIRE = 0-180 598. 8.3 100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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.: 12504.0 DATE 12/27/04
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LUMINANCES-CD/SQ-M
HORIZONTAL ANGLE

VERT ANGLE	0
45	291.
55	260.
65	233.
75	203.
85	185.

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	.00
RCR																		
0	.10	.10	.10	.10	.10	.10	.10	.10	.09	.09	.09	.09	.09	.09	.08	.08	.08	.08
1	.09	.08	.08	.08	.09	.08	.08	.07	.08	.07	.07	.07	.07	.07	.07	.07	.07	.06
2	.08	.07	.07	.06	.08	.07	.07	.06	.07	.06	.06	.06	.06	.06	.06	.06	.06	.05
3	.07	.06	.06	.05	.07	.06	.06	.05	.06	.05	.05	.06	.05	.05	.05	.05	.05	.04
4	.07	.06	.05	.04	.06	.06	.05	.04	.05	.05	.04	.05	.05	.04	.05	.04	.04	.04
5	.06	.05	.04	.04	.06	.05	.04	.04	.05	.04	.04	.04	.04	.03	.04	.04	.03	.03
6	.06	.04	.04	.03	.05	.04	.04	.03	.04	.04	.03	.04	.03	.03	.04	.03	.03	.03
7	.05	.04	.03	.03	.05	.04	.03	.03	.04	.03	.03	.04	.03	.03	.03	.03	.03	.02
8	.05	.04	.03	.02	.05	.04	.03	.02	.03	.03	.02	.03	.03	.02	.03	.03	.02	.02
9	.04	.03	.03	.02	.04	.03	.03	.02	.03	.02	.02	.03	.02	.02	.03	.02	.02	.02
10	.04	.03	.02	.02	.04	.03	.02	.02	.03	.02	.02	.03	.02	.02	.03	.02	.02	.02

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES