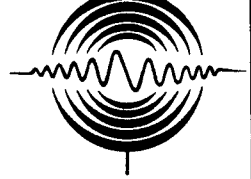


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

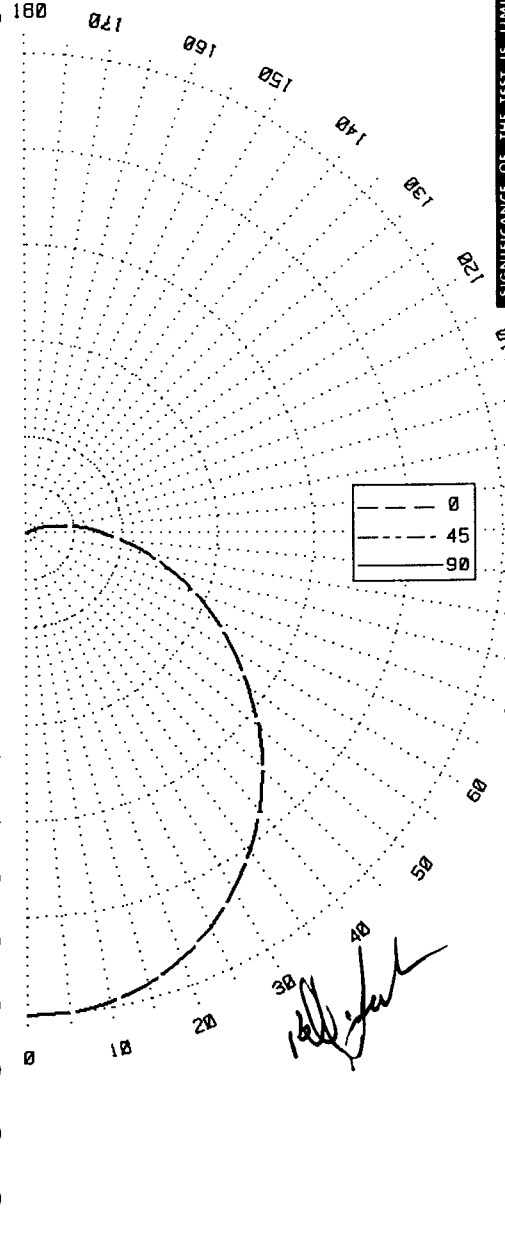
1618 HEADLAND DR.  
FENTON, MO 63026  
(636) - 343-6006  
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 12503.0 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 FAUX ALABASTER ACRYLIC BOWL  
 2 UNIVERSAL BALLAST #C2642UNVSE WATTS=91 REFL=90%  
 CATALOG NBR: GL30FF-4/26QCF  
 LAMP TYPE : CFQ26W/24q/835 RATED LUMENS 1800. NBR. LAMPS:- 4

## CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	534.	
5	532.	50.8
10	528.	146.6
15	517.	223.7
20	502.	271.8
25	483.	287.9
30	459.	270.5
35	433.	232.5
40	403.	179.2
45	372.	121.0
50	339.	69.3
55	302.	29.1
60	268.	7.1
65	234.	0.0
70	201.	0.0
75	169.	0.0
80	139.	0.0
85	111.	0.0
90	85.	0.0
95	64.	0.0
100	43.	0.0
105	28.	0.0
110	16.	0.0
115	7.	0.0
120	0.	0.0
125	0.	0.0
130	0.	0.0
135	0.	0.0
140	0.	0.0
145	0.	0.0
150	0.	0.0
155	0.	0.0
160	0.	0.0
165	0.	0.0
170	0.	0.0
175	0.	0.0
180	0.	0.0



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

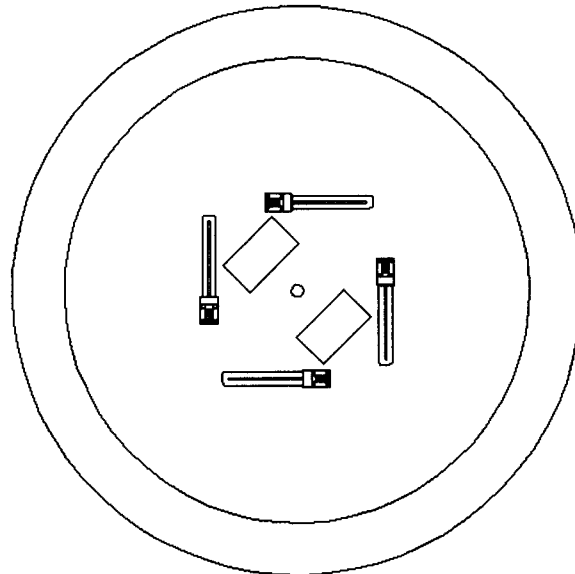
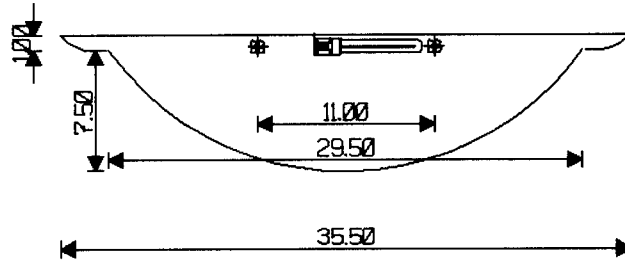
## LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	421.	5.8	22.3	90-120	105.	1.5	5.6
0- 40	693.	9.6	36.7	90-130	105.	1.5	5.6
0- 60	1251.	17.4	66.2	90-150	105.	1.5	5.6
0- 90	1784.	24.8	94.4	90-180	105.	1.5	5.6

TOTAL LUMINAIRE = 0-180 1889. 26.2 100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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 \*\*\*\*\*

LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE  
 0

VERT ANGLE	
45	901.
55	818.
65	746.
75	679.
85	626.

\*\*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	.31	.31	.31	.31	.30	.30	.30	.30	.28	.28	.28	.27	.27	.27	.25	.25	.25	.25
1	.28	.26	.25	.24	.27	.26	.24	.23	.24	.23	.22	.23	.22	.21	.22	.21	.21	.20
2	.25	.23	.21	.19	.24	.22	.20	.19	.21	.20	.18	.20	.19	.18	.19	.18	.17	.16
3	.23	.20	.18	.16	.22	.20	.17	.16	.19	.17	.15	.18	.16	.15	.17	.16	.14	.14
4	.21	.18	.15	.14	.20	.17	.15	.13	.16	.15	.13	.16	.14	.13	.15	.13	.12	.12
5	.19	.16	.13	.11	.18	.15	.13	.11	.14	.12	.11	.14	.12	.11	.13	.12	.10	.10
6	.18	.14	.12	.10	.17	.14	.11	.10	.13	.11	.09	.12	.11	.09	.12	.10	.09	.08
7	.16	.13	.10	.08	.16	.12	.10	.08	.12	.10	.08	.11	.09	.08	.11	.09	.08	.07
8	.15	.11	.09	.07	.14	.11	.09	.07	.10	.09	.07	.10	.08	.07	.10	.08	.07	.06
9	.14	.10	.08	.06	.13	.10	.08	.06	.09	.07	.06	.09	.07	.06	.09	.07	.06	.05
10	.13	.09	.07	.06	.12	.09	.07	.06	.09	.07	.05	.08	.07	.05	.08	.06	.05	.05

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES