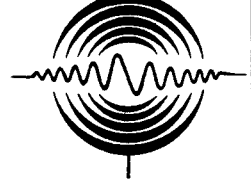


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

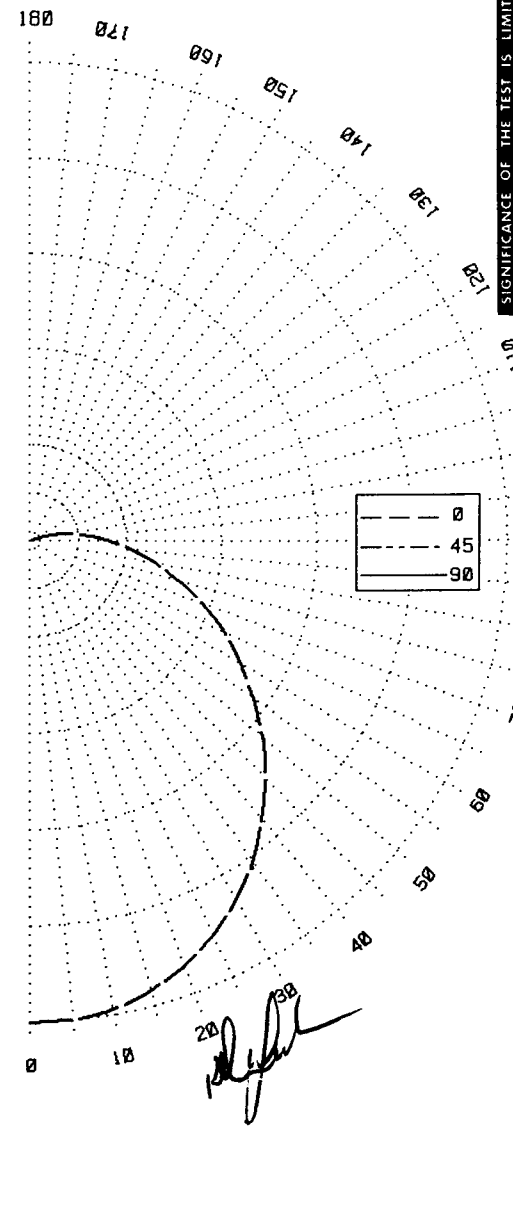
1618 HEADLAND DR.  
 FENTON, MO 63026  
 (636) - 343-6006  
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 12501.0 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 WHITE ACRYLIC BOWL  
 2 UNIVERSAL BALLAST #C2642UNVSE WATTS=91 REFL=90%  
 CATALOG NBR: GL30WF-4/26QCF  
 LAMP TYPE : CFQ26W/24q/835 RATED LUMENS 1800. NBR. LAMPS:- 4

## CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	803.	
5	801.	76.5
10	792.	
15	776.	220.0
20	753.	
25	726.	335.8
30	690.	
35	653.	410.0
40	606.	
45	558.	431.9
50	511.	
55	458.	410.6
60	409.	
65	360.	356.8
70	308.	
75	259.	274.1
80	213.	
85	171.	187.0
90	134.	
95	100.	109.0
100	71.	
105	45.	48.0
110	24.	
115	11.	11.2
120	0.	
125	0.	0.
130	0.	
135	0.	0.
140	0.	
145	0.	0.
150	0.	
155	0.	0.
160	0.	
165	0.	0.
170	0.	
175	0.	0.
180	0.	



## LUMEN SUMMARY

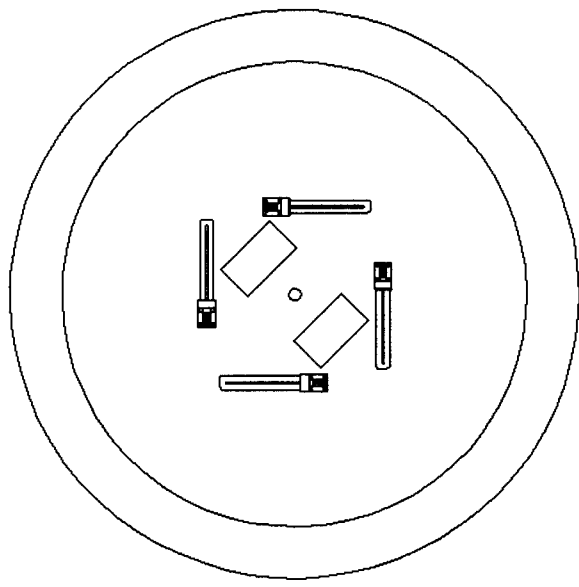
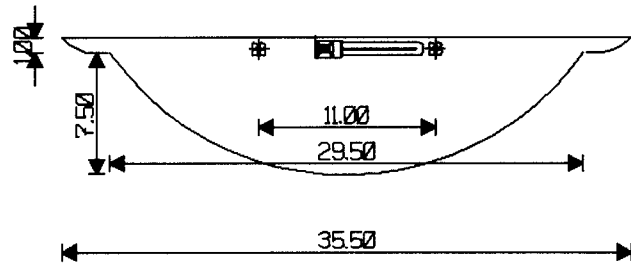
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	632.	8.8	22.0	90-120	168.	2.3	5.9
0- 40	1042.	14.5	36.3	90-130	168.	2.3	5.9
0- 60	1885.	26.2	65.7	90-150	168.	2.3	5.9
0- 90	2703.	37.5	94.1	90-180	168.	2.3	5.9

TOTAL LUMINAIRE = 0-180 2871. 39.9 100.0

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.: 12501.0 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 WHITE ACRYLIC BOWL  
2 UNIVERSAL BALLAST #C2642UNVSE WATTS=91 REFL=90%  
CATALOG NBR: GL30WF-4/26QCF  
LAMP TYPE : CFQ26W/24q/835 RATED LUMENS 1800. NBR. LAMPS:- 4



BALLABS CERTIFIED TEST REPORT NO.: 12501.0 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 WHITE ACRYLIC BOWL  
 2 UNIVERSAL BALLAST #C2642UNVSE WATTS=91 REFL=90%

CATALOG NBR: GL30WF-4/26QCF  
 LAMP TYPE : CFQ26W/24q/835 RATED LUMENS 1800. NBR. LAMPS:- 4  
 \*\*\*\*\*

LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE  
 0

VERT ANGLE	LUMINANCES
45	1352.
55	1241.
65	1146.
75	1039.
85	967.

\*\*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	.47	.47	.47	.47	.46	.46	.46	.46	.43	.43	.43	.41	.41	.41	.39	.39	.39	.38
1	.42	.40	.38	.36	.41	.39	.37	.35	.37	.35	.34	.35	.34	.32	.33	.32	.31	.30
2	.38	.35	.32	.29	.37	.34	.31	.29	.32	.30	.28	.30	.28	.27	.29	.27	.26	.25
3	.35	.30	.27	.24	.34	.30	.26	.24	.28	.25	.23	.27	.24	.22	.25	.23	.22	.21
4	.32	.27	.23	.20	.31	.26	.23	.20	.25	.22	.20	.24	.21	.19	.23	.20	.19	.18
5	.29	.24	.20	.17	.28	.23	.20	.17	.22	.19	.17	.21	.18	.16	.20	.18	.16	.15
6	.27	.21	.17	.15	.26	.21	.17	.15	.20	.17	.14	.19	.16	.14	.18	.15	.14	.13
7	.25	.19	.15	.13	.24	.18	.15	.13	.18	.15	.12	.17	.14	.12	.16	.14	.12	.11
8	.23	.17	.13	.11	.22	.17	.13	.11	.16	.13	.11	.15	.12	.10	.14	.12	.10	.09
9	.21	.15	.12	.10	.20	.15	.12	.09	.14	.11	.09	.14	.11	.09	.13	.11	.09	.08
10	.19	.14	.11	.08	.19	.14	.10	.08	.13	.10	.08	.12	.10	.08	.12	.10	.08	.07

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES