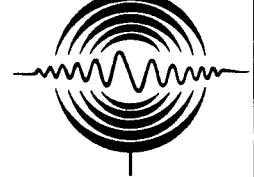


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

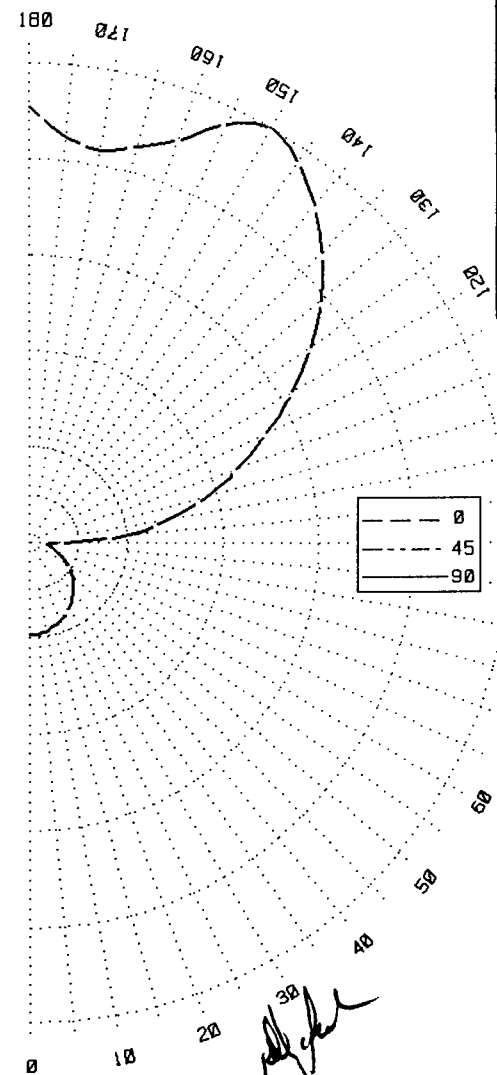
1618 HEADLAND DR.  
 FENTON, MO 63026  
 (636) - 343-6006  
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 12495.0 DATE 12/09/04  
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI  
 DESCRIPTION: 3/39W BIAx CF 35.5"DIA PENDANT MNT LUMINAIRE  
 35.5"DIA ALUMINUM RING w/30"DIA WHITE ACRYLIC BOWL  
 AC ELECTRONICS BALLAST #TST-140PBXS WATTS=94 REFL=90%  
 CATALOG NBR: GL30WP-3/39BX  
 LAMP TYPE : CFT39W/2G11/835 RATED LUMENS 2850. NBR. LAMPS:- 3

## CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	333.	
5	332.	31.7
10	328.	
15	318.	90.1
20	308.	
25	295.	136.5
30	279.	
35	261.	164.2
40	241.	
45	219.	169.9
50	201.	
55	177.	158.7
60	153.	
65	131.	129.8
70	109.	
75	90.	94.8
80	72.	
85	57.	62.6
90	109.	
95	356.	388.4
100	499.	
105	649.	686.1
110	796.	
115	942.	935.2
120	1094.	
125	1239.	1111.5
130	1372.	
135	1491.	1154.6
140	1597.	
145	1685.	1058.4
150	1734.	
155	1674.	775.0
160	1551.	
165	1484.	420.6
170	1444.	
175	1476.	140.9
180	1575.	

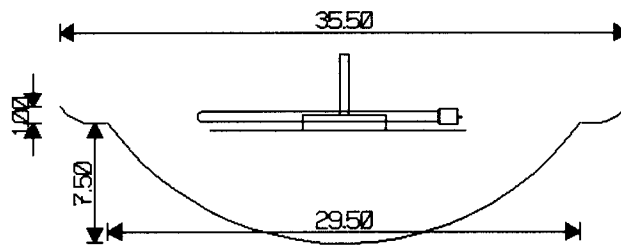
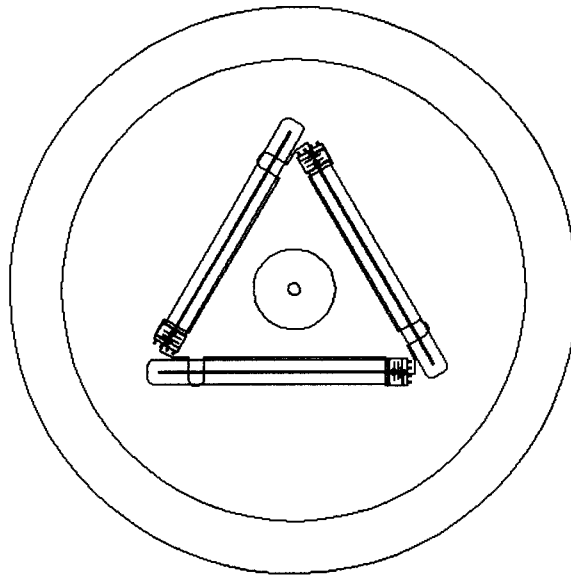


## LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	258.	3.0	3.4	90-120	2010.	23.5	26.1
0- 40	423.	4.9	5.5	90-130	3121.	36.5	40.5
0- 60	751.	8.8	9.7	90-150	5334.	62.4	69.2
0- 90	1038.	12.1	13.5	90-180	6671.	78.0	86.5
TOTAL LUMINAIRE =				0-180	7709.	90.2	100.0
IES SPACING CRITERIA: ADJACENT= 1.2				DIAGONAL=	.9		

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

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LUMINANCES-CD/SQ-M  
HORIZONTAL ANGLE

VERT ANGLE  
 45 527.  
 55 475.  
 65 411.  
 75 353.  
 85 315.

\*\*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	.00
RCR															
0	.89	.89	.89	.89	.78	.78	.78	.78	.57	.57	.57	.38	.38	.38	.20
1	.81	.77	.73	.70	.70	.67	.64	.62	.49	.47	.46	.33	.32	.31	.18
2	.73	.67	.61	.57	.64	.59	.54	.50	.43	.40	.38	.29	.27	.26	.15
3	.67	.59	.52	.47	.58	.51	.46	.42	.38	.34	.32	.25	.23	.22	.14
4	.61	.52	.45	.40	.53	.45	.40	.35	.33	.30	.27	.22	.20	.18	.12
5	.56	.46	.39	.34	.48	.40	.34	.30	.30	.26	.23	.20	.18	.16	.11
6	.51	.41	.34	.29	.45	.36	.30	.26	.27	.23	.20	.18	.15	.14	.10
7	.47	.37	.30	.26	.41	.32	.27	.23	.24	.20	.17	.16	.14	.12	.09
8	.44	.33	.27	.22	.38	.29	.24	.20	.22	.18	.15	.15	.12	.10	.08
9	.41	.30	.24	.20	.35	.27	.21	.18	.20	.16	.13	.13	.11	.09	.07
10	.38	.28	.22	.18	.33	.25	.19	.16	.18	.15	.12	.12	.10	.08	.07

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES