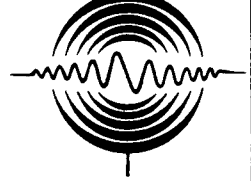


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

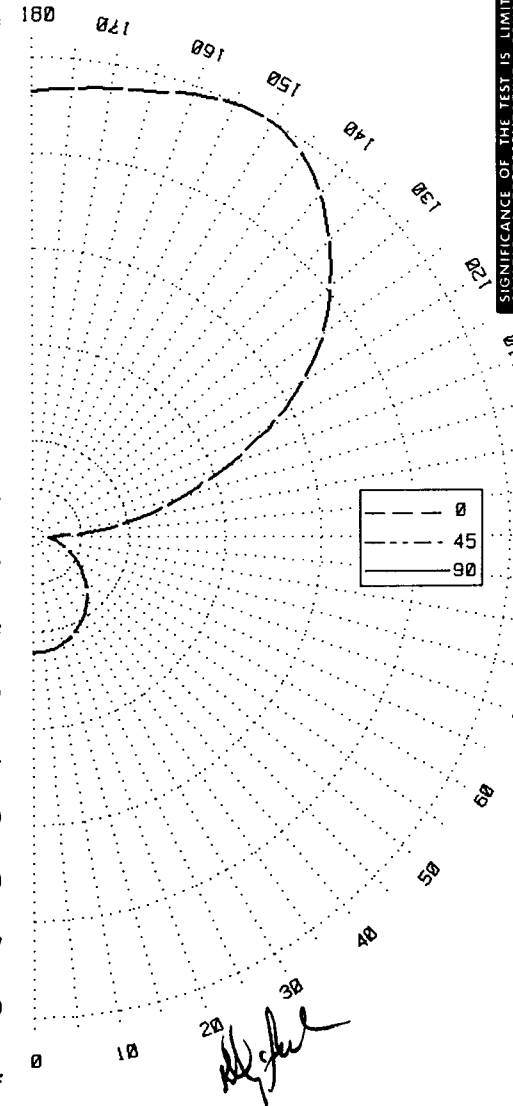
1618 HEADLAND DR.
FENTON, MO 63026
(636) - 343-6006
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 12497.0 DATE 12/10/04
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI
 DESCRIPTION: 8/50W BIAx CF 51.5"DIA PENDANT MNT LUMINAIRE
 51.5"DIA ALUMINUM RING w/45"DIA WHITE ACRYLIC BOWL
 4 AC ELECTRONICS BALLASTS #TSD-155PS WATTS=425 REFL=90%
 CATALOG NBR: GL45WP-8/50BX
 LAMP TYPE : CFT50W/2G11/835 RATED LUMENS 4000. NBR. LAMPS:- 8

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	1360.	
5	1355.	129.4
10	1336.	
15	1304.	369.7
20	1260.	
25	1203.	556.8
30	1139.	
35	1064.	668.4
40	981.	
45	893.	691.3
50	799.	
55	703.	630.7
60	610.	
65	522.	518.4
70	435.	
75	355.	375.4
80	284.	
85	219.	238.4
90	174.	
95	676.	737.8
100	1257.	
105	1798.	1902.1
110	2428.	
115	3067.	3044.0
120	3664.	
125	4173.	3743.9
130	4566.	
135	4922.	3811.7
140	5250.	
145	5500.	3454.9
150	5631.	
155	5620.	2601.4
160	5539.	
165	5422.	1537.1
170	5357.	
175	5294.	505.3
180	5247.	



LUMEN SUMMARY

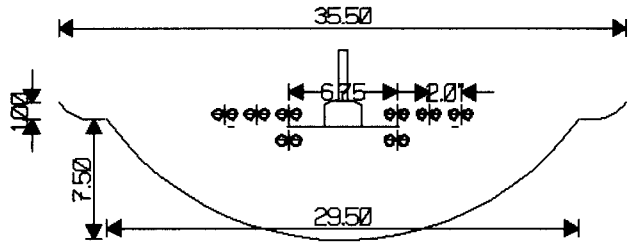
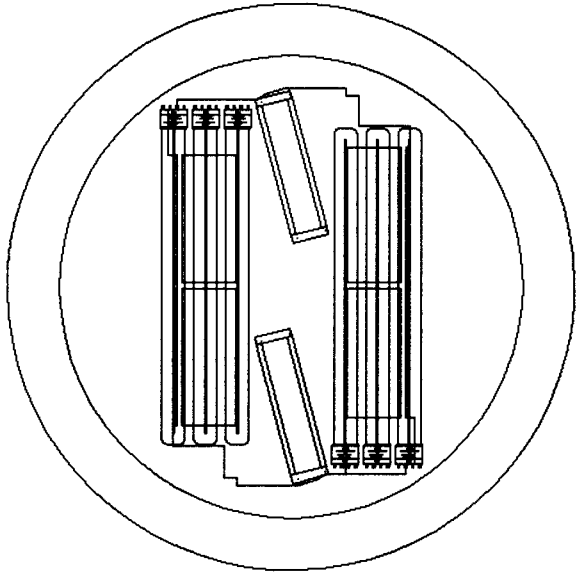
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1056.	3.3	4.1	90-120	5684.	17.8	22.3
0- 40	1724.	5.4	6.8	90-130	9428.	29.5	36.9
0- 60	3046.	9.5	11.9	90-150	16694.	52.2	65.4
0- 90	4178.	13.1	16.4	90-180	21338.	66.7	83.6

TOTAL LUMINAIRE = 0-180 25517. 79.7 100.0

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	0
45	924.
55	808.
65	698.
75	588.
85	495.

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	.79	.79	.79	.79	.69	.69	.69	.69	.52	.52	.52	.35	.35	.35	.20	.20	.20	.13
1	.72	.68	.65	.62	.63	.60	.58	.55	.45	.43	.42	.31	.30	.29	.17	.17	.17	.11
2	.65	.60	.55	.51	.57	.52	.48	.45	.39	.36	.34	.27	.25	.24	.15	.15	.14	.09
3	.59	.52	.47	.42	.52	.46	.41	.38	.34	.31	.29	.24	.22	.20	.14	.13	.12	.08
4	.54	.46	.40	.35	.47	.41	.36	.32	.30	.27	.24	.21	.19	.17	.12	.11	.10	.06
5	.50	.41	.35	.30	.43	.36	.31	.27	.27	.23	.21	.19	.16	.15	.11	.10	.09	.05
6	.46	.37	.30	.26	.40	.32	.27	.23	.24	.21	.18	.17	.14	.13	.10	.08	.08	.05
7	.42	.33	.27	.23	.37	.29	.24	.20	.22	.18	.16	.15	.13	.11	.09	.07	.07	.04
8	.39	.30	.24	.20	.34	.26	.21	.18	.20	.16	.14	.14	.11	.10	.08	.07	.06	.04
9	.36	.27	.21	.18	.32	.24	.19	.16	.18	.15	.12	.12	.10	.09	.07	.06	.05	.03
10	.34	.25	.19	.16	.30	.22	.17	.14	.17	.13	.11	.11	.09	.08	.07	.05	.04	.03

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES