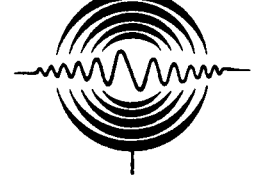


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

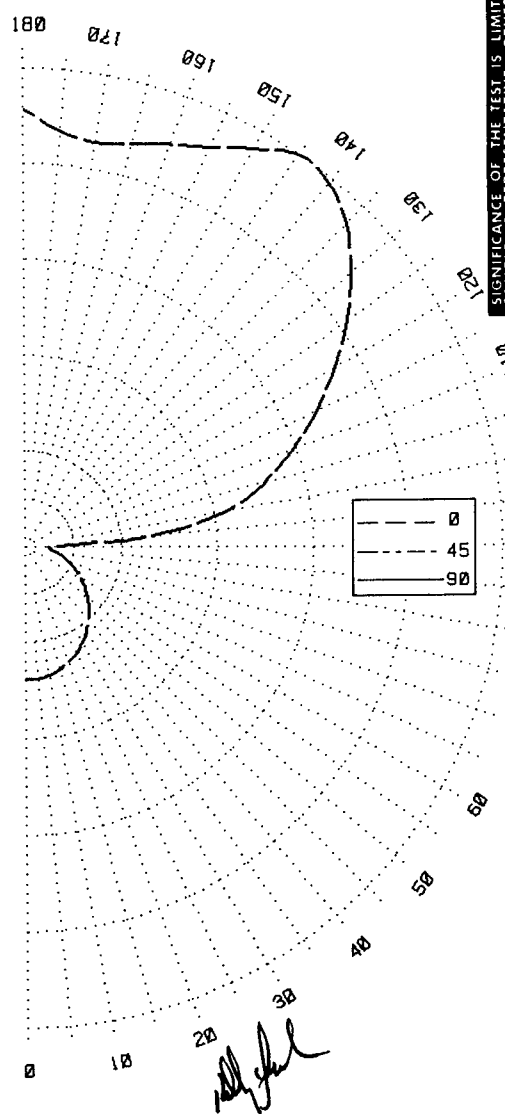
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 12494.0 DATE 12/15/04
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI
 DESCRIPTION: 8/26W QUAD CF 35.5"DIA PENDANT MNT LUMINAIRE
 35.5"DIA ALUMINUM RING w/30"DIA WHITE ACRYLIC BOWL
 4 UNIVERSAL BALLAST #C2642UNVSE WATTS=206 REFL=90%
 CATALOG NBR: GL30WP-8/26QCF
 LAMP TYPE : CFQ26w/24q/835 RATED LUMENS 1800. NBR. LAMPS:- 8

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	687.	
5	686.	65.5
10	678.	
15	663.	187.9
20	643.	
25	617.	285.4
30	585.	
35	548.	344.3
40	506.	
45	464.	359.4
50	420.	
55	377.	338.3
60	330.	
65	286.	284.3
70	242.	
75	201.	213.0
80	164.	
85	132.	144.2
90	118.	
95	653.	712.6
100	1063.	
105	1292.	1366.4
110	1492.	
115	1679.	1666.6
120	1866.	
125	2053.	1842.2
130	2223.	
135	2379.	1842.3
140	2473.	
145	2499.	1570.1
150	2401.	
155	2305.	1066.8
160	2238.	
165	2181.	618.1
170	2143.	
175	2184.	208.5
180	2288.	



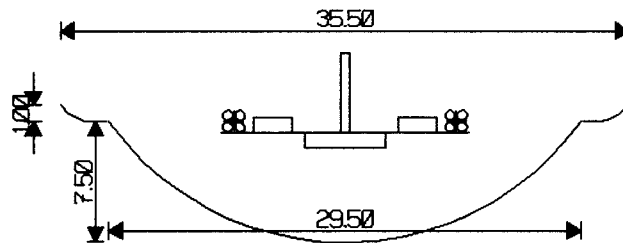
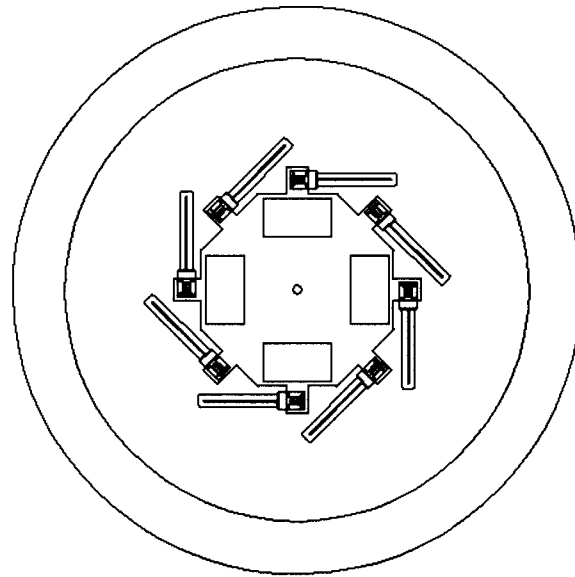
LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	539.	3.7	4.1	90-120	3746.	26.0	28.6
0- 40	883.	6.1	6.7	90-130	5588.	38.8	42.6
0- 60	1581.	11.0	12.1	90-150	9000.	62.5	68.6
0- 90	2222.	15.4	16.9	90-180	10894.	75.7	83.1
TOTAL LUMINAIRE =				0-180	13116.	91.1	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.

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LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE
 0

VERT ANGLE	
45	1116.
55	1012.
65	900.
75	793.
85	726.

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	.90	.90	.90	.90	.80	.80	.80	.80	.59	.59	.59	.41	.41	.41	.23	.23	.23	.15
1	.82	.78	.75	.71	.72	.69	.66	.63	.51	.49	.48	.35	.34	.33	.20	.20	.19	.12
2	.74	.68	.62	.58	.65	.60	.55	.51	.45	.42	.39	.31	.29	.27	.18	.17	.16	.10
3	.68	.60	.53	.48	.59	.53	.47	.43	.39	.36	.33	.27	.25	.23	.16	.15	.14	.09
4	.62	.53	.46	.40	.54	.46	.41	.36	.35	.31	.28	.24	.22	.20	.14	.13	.12	.07
5	.57	.47	.40	.34	.50	.41	.35	.31	.31	.27	.24	.21	.19	.17	.12	.11	.10	.06
6	.52	.42	.35	.30	.46	.37	.31	.27	.28	.24	.20	.19	.16	.14	.11	.10	.09	.05
7	.48	.37	.31	.26	.42	.33	.27	.23	.25	.21	.18	.17	.15	.13	.10	.09	.07	.05
8	.44	.34	.27	.23	.39	.30	.24	.20	.23	.19	.16	.16	.13	.11	.09	.08	.07	.04
9	.41	.31	.24	.20	.36	.27	.22	.18	.21	.17	.14	.14	.12	.10	.08	.07	.06	.03
10	.39	.28	.22	.18	.34	.25	.20	.16	.19	.15	.12	.13	.10	.09	.08	.06	.05	.03

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES