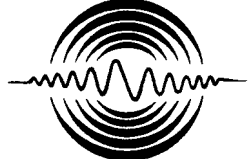


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

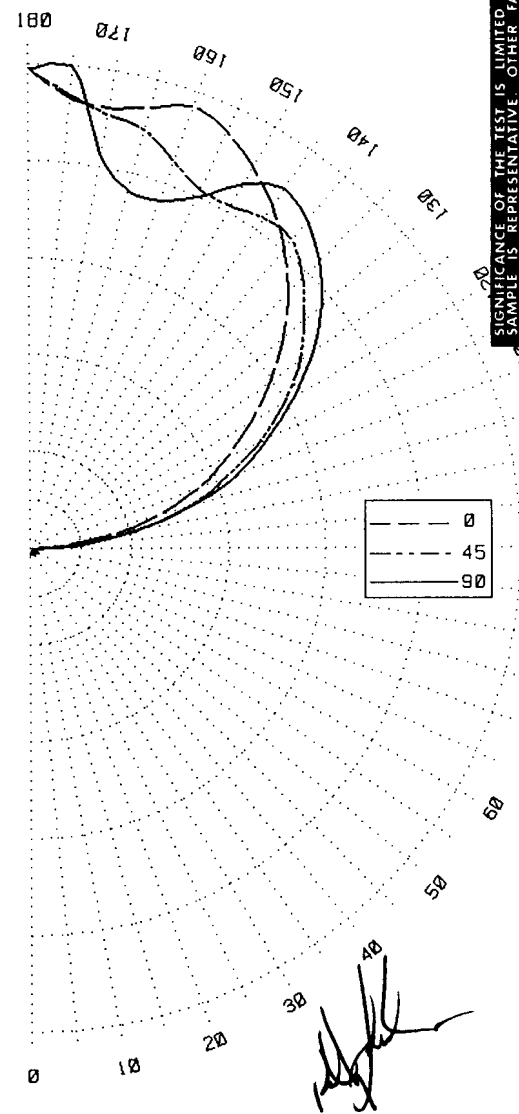
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 14168.0 DATE 06/26/08
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI
 DESCRIPTION: 4/40W BIAx 39"DIA ACCELERATION BIDIRECT PENDANT LUMINAIRE
 WHITE REFL IN OPEN TO w/12"DIA SATIN WHITE ACRYLIC BOWL
 2 AC ELECTRONICS BALLAST #EST-A40PBXS WATTS=180 REFL=90
 CATALOG NBR: G29982-D1-2-P-3-072
 LAMP TYPE : CFT40W/2G11/835 RATED LUMENS 3150. NBR. LAMPS:- 4

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	31.	31.	31.	31.	31.	
5	33.	32.	32.	32.	31.	3.1
10	32.	31.	31.	31.	30.	
15	31.	31.	30.	30.	30.	8.6
20	30.	30.	30.	30.	30.	
25	28.	28.	27.	27.	27.	12.7
30	27.	27.	26.	27.	26.	
35	26.	26.	25.	25.	25.	15.9
40	23.	23.	23.	23.	23.	
45	23.	23.	23.	23.	23.	17.8
50	38.	37.	37.	37.	35.	
55	47.	46.	47.	47.	46.	41.8
60	42.	41.	42.	42.	42.	
65	37.	36.	37.	37.	37.	36.5
70	32.	31.	31.	32.	32.	
75	27.	27.	27.	27.	27.	28.6
80	22.	21.	22.	23.	23.	
85	17.	16.	16.	19.	18.	18.7
90	21.	20.	23.	25.	26.	
95	148.	216.	245.	272.	307.	262.0
100	470.	565.	646.	610.	604.	
105	780.	881.	965.	998.	991.	986.4
110	1053.	1169.	1232.	1275.	1316.	
115	1293.	1409.	1518.	1551.	1576.	1467.2
120	1526.	1629.	1763.	1797.	1834.	
125	1763.	1842.	1981.	2041.	2075.	1745.7
130	1982.	2031.	2152.	2261.	2291.	
135	2196.	2222.	2317.	2427.	2462.	1799.6
140	2373.	2404.	2446.	2556.	2592.	
145	2539.	2552.	2450.	2587.	2663.	1600.3
150	2673.	2657.	2402.	2405.	2557.	
155	2790.	2725.	2403.	2278.	2356.	1154.7
160	2859.	2770.	2502.	2308.	2252.	
165	2776.	2774.	2634.	2411.	2252.	732.3
170	2719.	2681.	2678.	2564.	2423.	
175	2756.	2773.	2772.	2857.	2947.	268.6
180	2920.	2920.	2920.	2920.	2920.	



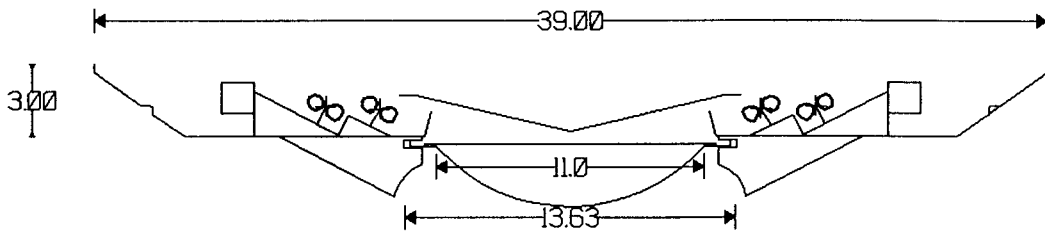
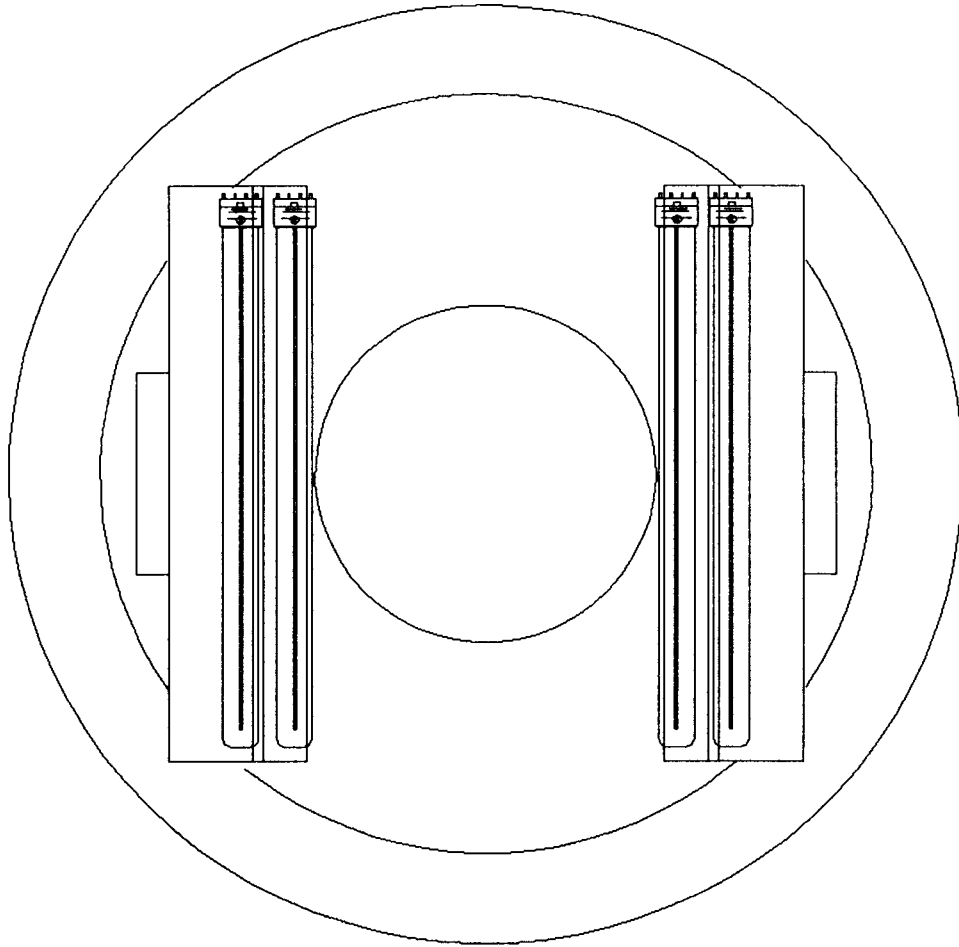
LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	24.	.2	.2	90-120	2716.	21.6	26.6
0- 40	40.	.3	.4	90-130	4461.	35.4	43.7
0- 60	100.	.8	1.0	90-150	7861.	62.4	77.1
0- 90	184.	1.5	1.8	90-180	10017.	79.5	98.2
TOTAL LUMINAIRE =				0-180	10200.	81.0	100.0

IES SPACING CRITERIA: END= 1.3 DIAGONAL = 1.3 CROSS= 1.3

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

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VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	442.	350.	350.
55	1114.	808.	791.
65	1191.	759.	759.
75	1419.	713.	713.
85	2653.	619.	697.

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	.77	.77	.77	.77	.66	.66	.66	.66	.46	.46	.46	.27	.27	.27	.10	.10	.10	.01
1	.70	.67	.64	.61	.60	.57	.55	.53	.40	.38	.37	.23	.23	.22	.08	.08	.08	.01
2	.64	.58	.54	.50	.54	.50	.46	.43	.35	.32	.30	.20	.19	.18	.07	.07	.06	.01
3	.58	.51	.45	.41	.50	.44	.39	.36	.30	.28	.25	.18	.16	.15	.06	.06	.05	.01
4	.53	.45	.39	.34	.45	.39	.34	.30	.27	.24	.21	.16	.14	.13	.06	.05	.05	.01
5	.49	.40	.34	.29	.41	.34	.29	.26	.24	.21	.18	.14	.12	.11	.05	.04	.04	.00
6	.45	.36	.30	.25	.38	.31	.26	.22	.21	.18	.16	.13	.11	.10	.04	.04	.03	.00
7	.41	.32	.26	.22	.35	.28	.23	.19	.19	.16	.14	.11	.10	.08	.04	.03	.03	.00
8	.38	.29	.23	.20	.33	.25	.20	.17	.17	.14	.12	.10	.09	.07	.04	.03	.03	.00
9	.35	.26	.21	.17	.30	.23	.18	.15	.16	.13	.11	.09	.08	.07	.03	.03	.02	.00
10	.33	.24	.19	.16	.28	.21	.17	.14	.15	.12	.10	.09	.07	.06	.03	.02	.02	.00

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES