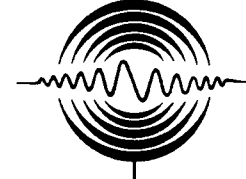


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

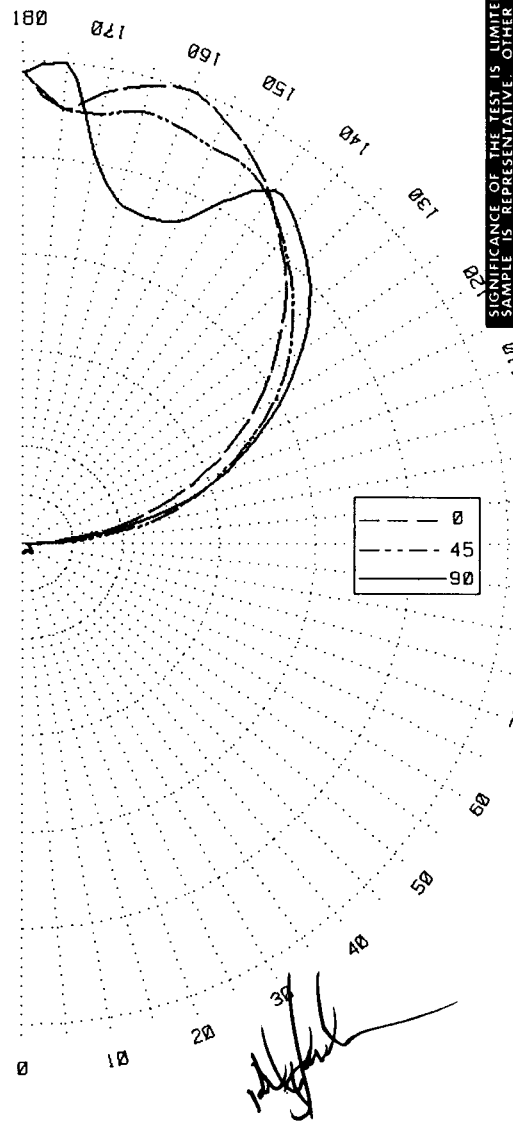
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 14166.0 DATE 06/26/08
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI
 DESCRIPTION: 4/39W BIAX CF 29"DIA TRAJECTORY BIDIRECT PENDANT LUMINAIRE
 WHITE REFL IN OPEN TOP w/12"DIA SATIN WHITE BOWL ACRYLIC
 2 UNIVERSAL BALLAST #C242UNVSE WATTS=126 REFL=90%
 CATALOG NBR: G29991-A1-2-P-3-072
 LAMP TYPE : CFT39W/2G11/835 RATED LUMENS 2850. NBR. LAMPS:- 4

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	48.	48.	48.	48.	48.	
5	50.	49.	49.	48.	48.	4.7
10	48.	47.	47.	47.	47.	
15	46.	46.	46.	45.	46.	13.0
20	45.	44.	44.	44.	43.	
25	43.	42.	41.	42.	42.	19.4
30	40.	39.	39.	39.	39.	
35	45.	44.	43.	44.	44.	27.6
40	59.	58.	57.	59.	59.	
45	65.	64.	64.	65.	66.	50.0
50	60.	60.	60.	60.	60.	
55	54.	53.	53.	54.	54.	48.0
60	47.	46.	46.	48.	47.	
65	41.	39.	40.	40.	40.	39.6
70	34.	33.	34.	34.	34.	
75	29.	28.	29.	30.	30.	30.8
80	25.	25.	26.	27.	27.	
85	21.	19.	20.	22.	21.	22.4
90	37.	46.	53.	65.	56.	
95	203.	294.	356.	333.	257.	330.9
100	463.	555.	692.	636.	558.	
105	720.	813.	934.	960.	894.	929.4
110	970.	1057.	1141.	1186.	1169.	
115	1210.	1277.	1355.	1404.	1401.	1325.5
120	1428.	1464.	1569.	1625.	1628.	
125	1628.	1649.	1746.	1832.	1834.	1560.6
130	1816.	1828.	1895.	1993.	2017.	
135	2002.	1999.	2039.	2126.	2163.	1596.6
140	2148.	2163.	2168.	2245.	2278.	
145	2313.	2306.	2298.	2299.	2347.	1450.0
150	2437.	2440.	2374.	2183.	2153.	
155	2542.	2544.	2378.	2099.	1936.	1071.5
160	2621.	2618.	2414.	2117.	1893.	
165	2577.	2617.	2434.	2173.	1926.	671.5
170	2491.	2460.	2372.	2146.	2148.	
175	2372.	2368.	2378.	2490.	2622.	232.3
180	2564.	2564.	2564.	2564.	2564.	



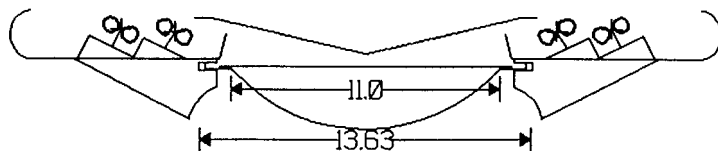
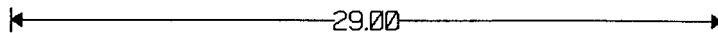
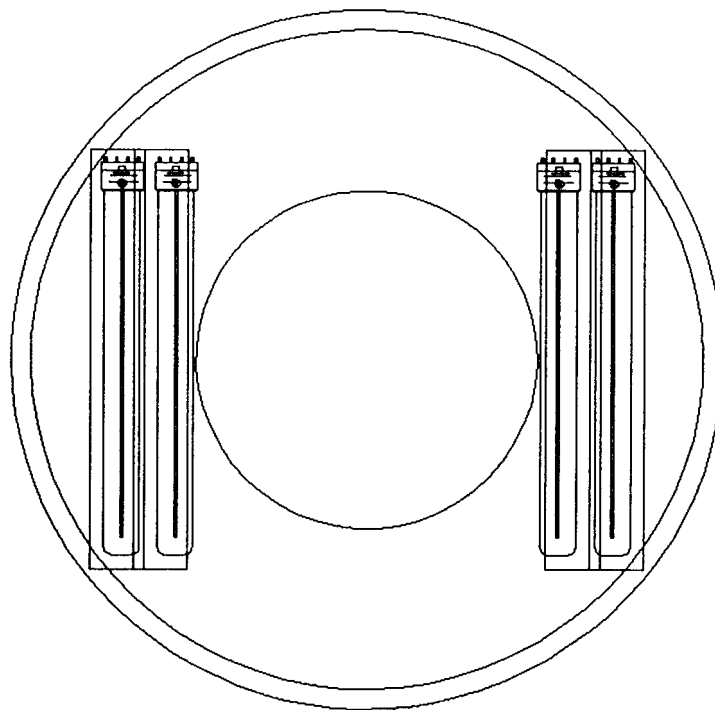
LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	37.	.3	.4	90-120	2586.	22.7	27.4
0- 40	65.	.6	.7	90-130	4146.	36.4	44.0
0- 60	163.	1.4	1.7	90-150	7193.	63.1	76.3
0- 90	255.	2.2	2.7	90-180	9168.	80.4	97.3
TOTAL LUMINAIRE = 0-180					9424.	82.7	100.0

IES SPACING CRITERIA: END= 1.9 DIAGONAL = 1.8 CROSS= 1.9

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	90
45	1250.	973.	1003.
55	1280.	911.	929.
65	1319.	820.	820.
75	1524.	766.	792.
85	3277.	774.	813.

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	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10																																																																																																																																																																						
RCR																																																																																																																																																																																																						
0	.79	.79	.79	.79	.68	.68	.68	.68	.47	.47	.47	.28	.28	.28	.10	.10	.10	.02	.72	.69	.65	.63	.62	.59	.56	.54	.41	.39	.38	.24	.24	.23	.09	.09	.09	.02	.65	.60	.55	.51	.56	.51	.47	.44	.36	.33	.31	.21	.20	.19	.08	.07	.07	.01	.59	.52	.47	.42	.51	.45	.40	.37	.31	.28	.26	.19	.17	.16	.07	.06	.06	.01	.54	.46	.40	.35	.46	.40	.35	.31	.28	.24	.22	.16	.15	.13	.06	.06	.05	.01	.50	.41	.35	.30	.42	.35	.30	.26	.25	.21	.19	.15	.13	.11	.05	.05	.04	.01	.46	.36	.30	.26	.39	.31	.26	.23	.22	.19	.16	.13	.11	.10	.05	.04	.04	.01	.42	.33	.27	.23	.36	.28	.23	.20	.20	.17	.14	.12	.10	.09	.04	.04	.03	.01	.39	.30	.24	.20	.33	.26	.21	.17	.18	.15	.13	.11	.09	.08	.04	.03	.03	.00	.36	.27	.21	.18	.31	.23	.19	.15	.16	.13	.11	.10	.08	.07	.04	.03	.02	.00	.34	.25	.19	.16	.29	.21	.17	.14	.15	.12	.10	.09	.07	.06	.03	.03	.02	.00

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES