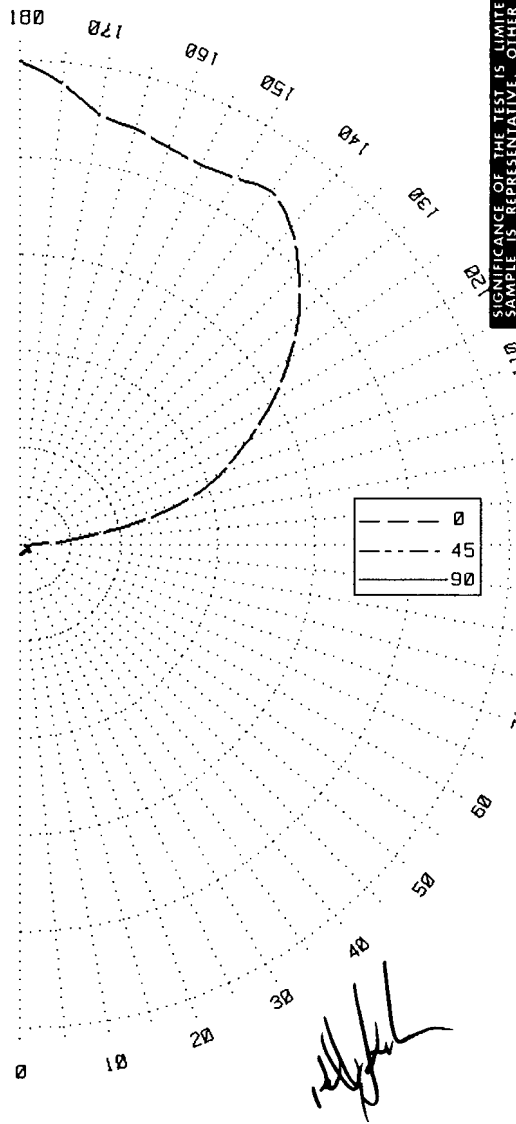


BALLABS CERTIFIED TEST REPORT NO.: 14167.0 DATE 06/25/08
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI
 DESCRIPTION: 6/39W BIAx 33"DIA ACCELERATION BIDIRECT PENDANT LUMINAIRE
 WHITE REFL IN OPEN TOP w/12"DIA SATIN WHITE ACRYLIC BOWL
 3 UNIVERSAL BALLAST #C242UNVSE WATTS=189 REFL=90%
 CATALOG NBR: G29981-B1-2-P-3-072
 LAMP TYPE : CFT39W/2G11/835 RATED LUMENS 2850. NBR. LAMPS:- 6

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	71.	
5	70.	6.7
10	69.	
15	67.	19.0
20	65.	
25	62.	28.5
30	60.	
35	57.	35.7
40	53.	
45	65.	50.0
50	84.	
55	83.	74.1
60	73.	
65	64.	63.3
70	56.	
75	47.	49.6
80	41.	
85	32.	34.4
90	36.	
95	252.	274.9
100	778.	
105	1308.	1383.4
110	1685.	
115	1998.	1983.1
120	2319.	
125	2614.	2344.7
130	2894.	
135	3129.	2423.0
140	3340.	
145	3476.	2183.8
150	3416.	
155	3378.	1563.5
160	3409.	
165	3474.	984.8
170	3528.	
175	3734.	356.4
180	3898.	



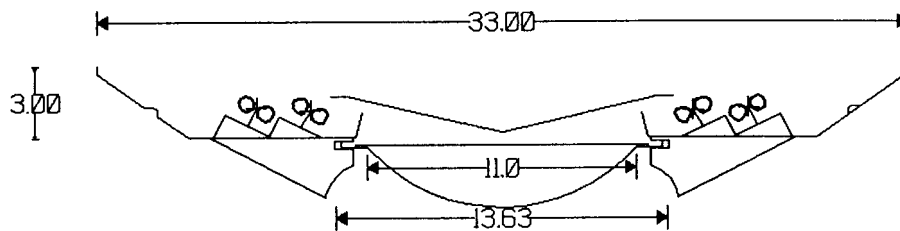
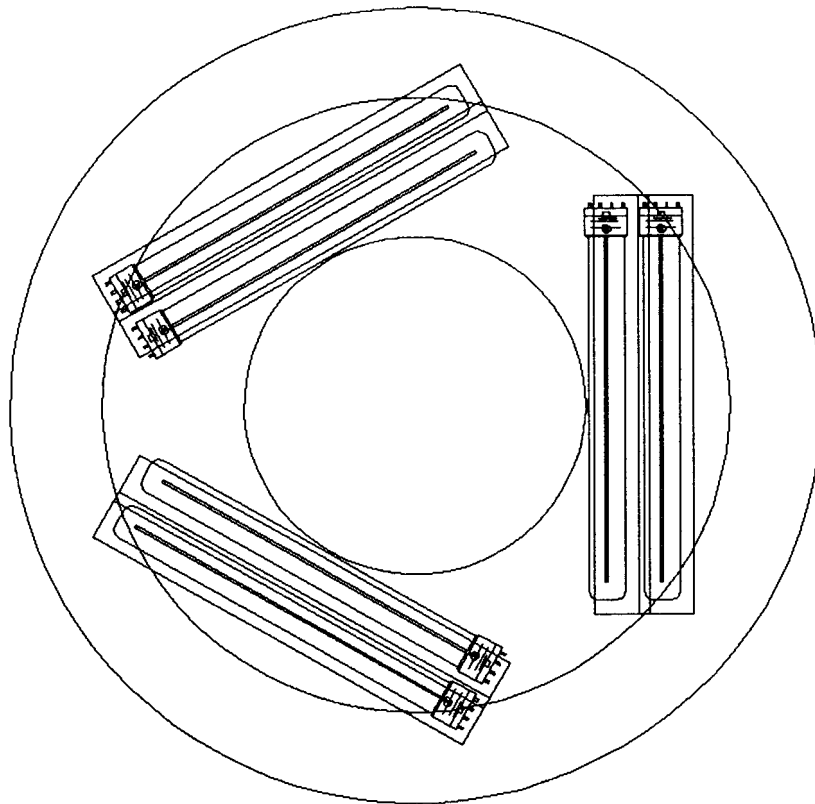
SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	54.	.3	.4	90-120	3641.	21.3	26.3
0- 40	90.	.5	.6	90-130	5986.	35.0	43.2
0- 60	214.	1.3	1.5	90-150	10593.	61.9	76.4
0- 90	361.	2.1	2.6	90-180	13498.	78.9	97.4
TOTAL LUMINAIRE =				0-180	13859.	81.0	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0
45	980.
55	1421.
65	1308.
75	1238.
85	1219.

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	.00
RCR																														
0	.78	.78	.78	.78	.67	.67	.67	.67	.46	.46	.46	.27	.27	.27	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.02
1	.70	.67	.64	.61	.60	.58	.55	.53	.40	.39	.37	.24	.23	.22	.09	.09	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.02
2	.64	.58	.54	.50	.55	.50	.46	.43	.35	.33	.31	.21	.20	.18	.08	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.01
3	.58	.51	.46	.41	.50	.44	.39	.36	.31	.28	.25	.18	.17	.15	.07	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.01
4	.53	.45	.39	.35	.45	.39	.34	.30	.27	.24	.21	.16	.14	.13	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.01
5	.49	.40	.34	.29	.42	.34	.29	.26	.24	.21	.18	.14	.13	.11	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.01
6	.45	.36	.30	.25	.38	.31	.26	.22	.22	.18	.16	.13	.11	.10	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.01
7	.41	.32	.26	.22	.35	.28	.23	.19	.19	.16	.14	.12	.10	.08	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.00
8	.38	.29	.23	.20	.33	.25	.20	.17	.18	.14	.12	.11	.09	.07	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.00
9	.36	.27	.21	.17	.30	.23	.18	.15	.16	.13	.11	.10	.08	.07	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.00
10	.33	.24	.19	.16	.28	.21	.17	.14	.15	.12	.10	.09	.07	.06	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.00

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES