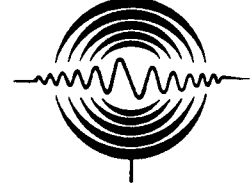


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

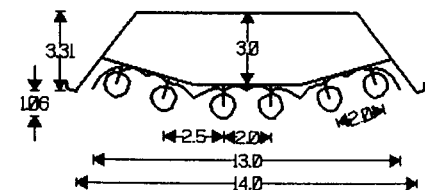
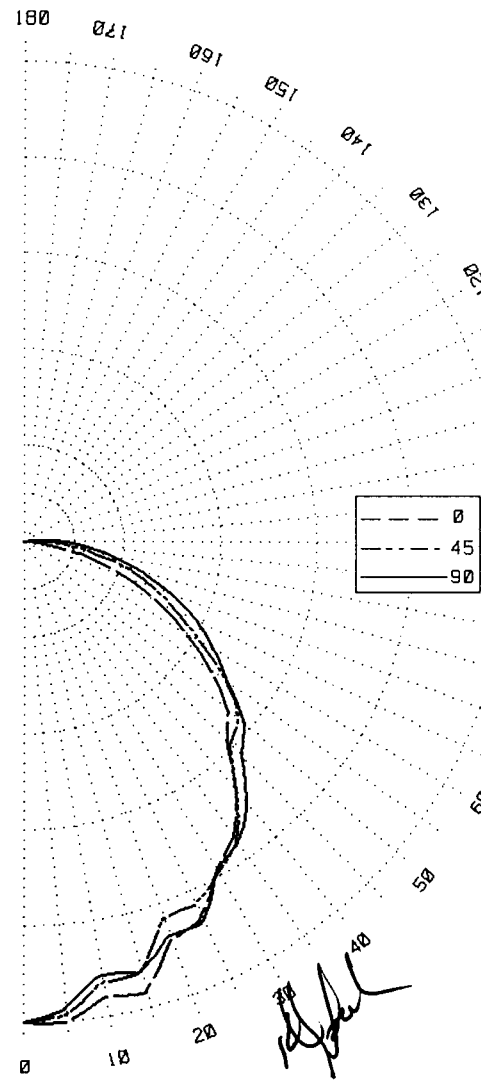
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 14748.0 DATE 06/23/09
 PREPARED FOR: SPECTRUM LIGHTING - FALL RIVER, MA
 DESCRIPTION: 6/32W T8 LAMP 4' LINEAR SUSPENDED HIGHBAY LUMINAIRE
 HIGHLY SPECULAR REFLECTOR w/OPEN BOTTOM WATTS=199
 SYLVANIA BALLASTS #QHE2X32T/UNVISH-SC & QHE4X32T8/UNVISH
 CATALOG NBR: LM632EX/T8/GW/CP
 LAMP TYPE : F32T8/835/RS RATED LUMENS 2950. NBR. LAMPS:- 6

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	5632.	5632.	5632.	5632.	5632.	531.3
5	5649.	5621.	5559.	5514.	5492.	1492.4
10	5411.	5321.	5243.	5164.	5148.	2210.9
15	5456.	5327.	5215.	5187.	5204.	2641.8
20	4968.	4800.	4699.	4822.	4912.	2633.3
25	4845.	4637.	4688.	4906.	4906.	2481.2
30	4447.	4234.	4480.	4452.	4447.	1936.0
35	4217.	4026.	4278.	4256.	4306.	1232.6
40	3807.	3678.	3813.	3948.	3998.	533.4
45	3303.	3286.	3359.	3527.	3555.	112.7
50	3061.	3112.	3218.	3308.	3308.	.0
55	2618.	2663.	2843.	2815.	2865.	.0
60	2136.	2187.	2338.	2417.	2517.	.0
65	1704.	1811.	1923.	2125.	2181.	.0
70	1244.	1396.	1587.	1755.	1800.	.0
75	818.	970.	1233.	1345.	1407.	.0
80	414.	628.	829.	981.	1048.	.0
85	117.	319.	527.	684.	734.	.0
90	11.	106.	269.	392.	454.	.0
95	0.	0.	89.	201.	246.	.0
100	0.	0.	0.	33.	56.	.0
105	0.	0.	0.	0.	0.	.0
110	0.	0.	0.	0.	0.	.0
115	0.	0.	0.	0.	0.	.0
120	0.	0.	0.	0.	0.	.0
125	0.	0.	0.	0.	0.	.0
130	0.	0.	0.	0.	0.	.0
135	0.	0.	0.	0.	0.	.0
140	0.	0.	0.	0.	0.	.0
145	0.	0.	0.	0.	0.	.0
150	0.	0.	0.	0.	0.	.0
155	0.	0.	0.	0.	0.	.0
160	0.	0.	0.	0.	0.	.0
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	.0
175	0.	0.	0.	0.	0.	.0
180	0.	0.	0.	0.	0.	.0



LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	4235.	23.9	26.8	90-120	113.	.6	.7
0- 40	6876.	38.8	43.5	90-130	113.	.6	.7
0- 60	11991.	67.7	75.9	90-150	113.	.6	.7
0- 90	15693.	88.7	99.3	90-180	113.	.6	.7
TOTAL LUMINAIRE = 0-180					15806.	89.3	100.0

IES SPACING CRITERIA: END= 1.2 DIAGONAL = 1.2 CROSS= 1.2

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	10636.	10012.	10596.
55	10393.	10124.	10203.
65	9181.	8838.	10024.
75	7196.	8345.	9523.
85	3057.	7177.	9995.

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	1.06	1.06	1.06	1.06	1.04	1.04	1.04	1.04	.99	.99	.99	.95	.95	.95	.91	.91	.91	.89
1	.97	.93	.89	.85	.95	.91	.87	.84	.87	.84	.81	.83	.81	.79	.80	.78	.76	.74
2	.89	.81	.75	.70	.86	.80	.74	.69	.76	.72	.68	.73	.69	.66	.71	.67	.64	.62
3	.81	.72	.65	.59	.79	.70	.64	.58	.68	.62	.57	.65	.60	.56	.63	.59	.55	.53
4	.74	.64	.56	.50	.72	.63	.55	.50	.60	.54	.49	.58	.53	.48	.56	.52	.48	.46
5	.68	.56	.48	.42	.66	.55	.48	.42	.53	.47	.42	.52	.46	.41	.50	.45	.41	.39
6	.62	.51	.43	.37	.61	.50	.42	.37	.48	.41	.36	.46	.40	.36	.45	.40	.35	.34
7	.58	.45	.38	.32	.56	.45	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.29
8	.53	.41	.33	.28	.52	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25
9	.49	.37	.29	.24	.47	.36	.29	.24	.35	.28	.24	.34	.28	.24	.33	.27	.23	.22
10	.45	.33	.26	.21	.44	.33	.26	.21	.32	.25	.21	.31	.25	.21	.30	.25	.21	.19

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES