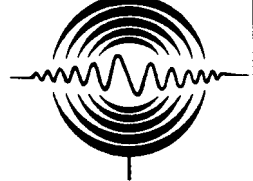


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

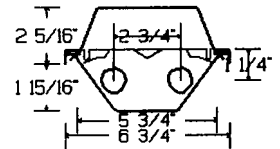
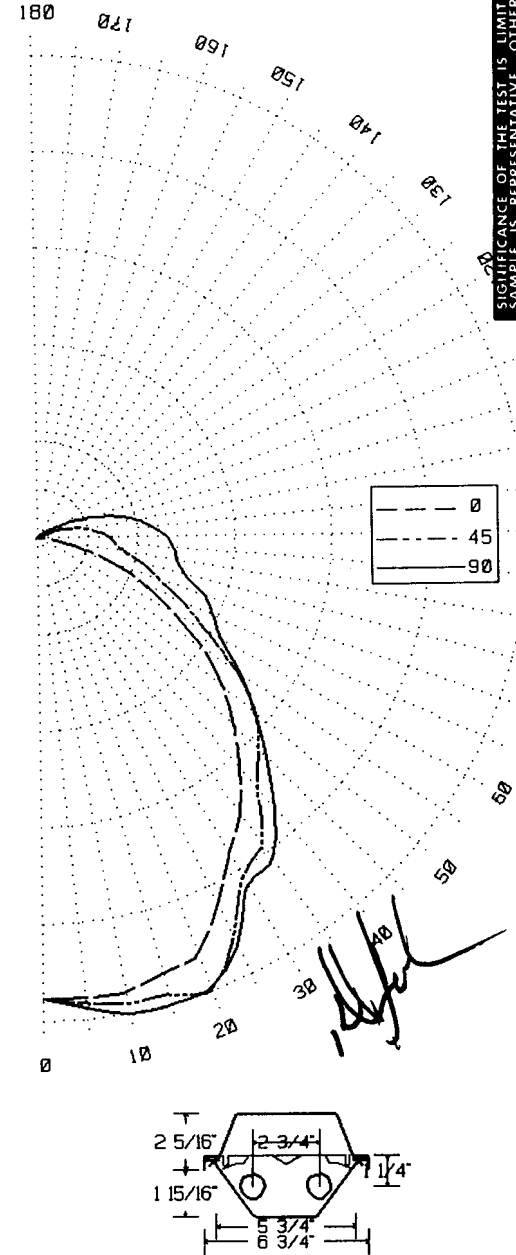
1618 HEADLAND DR.
FENTON, MO 63026
(636) - 343-6006
(636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 14521.0 DATE 03/17/09
 PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
 DESCRIPTION: 2/32W T8 LAMP 52x7x6" SUSPENDED ENCLOSED/GASKETED LUMINAIRE
 SPECULAR REFLECTOR w/CLEAR LINEAL RIBBED ACRYLIC DROP LENS
 SYLVANIA BALLAST #QTP2x32T8/UNV ISH-SC WATTS=66 REFL=88%
 CATALOG NBR: CT2-2X32T8-DIRA-RF-B
 LAMP TYPE : F32T8/835/RS RATED LUMENS 2950. NBR. LAMPS:- 2

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	1248.	1248.	1248.	1248.	1248.	
5	1250.	1252.	1265.	1274.	1276.	120.6
10	1251.	1255.	1282.	1297.	1310.	
15	1222.	1243.	1283.	1317.	1311.	362.1
20	1206.	1244.	1309.	1314.	1302.	
25	1104.	1152.	1202.	1191.	1228.	545.1
30	999.	1065.	1070.	1092.	1097.	
35	923.	988.	1026.	1054.	1073.	638.6
40	825.	882.	899.	959.	970.	
45	730.	776.	822.	853.	852.	627.7
50	637.	682.	750.	758.	748.	
55	531.	581.	641.	641.	657.	551.1
60	412.	478.	511.	539.	559.	
65	312.	370.	422.	478.	513.	417.5
70	214.	269.	340.	434.	469.	
75	129.	186.	288.	372.	402.	294.0
80	63.	124.	234.	332.	374.	
85	26.	90.	204.	315.	360.	218.8
90	11.	66.	189.	296.	340.	
95	6.	44.	162.	261.	302.	169.4
100	0.	29.	137.	231.	269.	
105	0.	17.	104.	186.	219.	110.2
110	0.	6.	67.	139.	167.	
115	0.	0.	35.	91.	116.	45.7
120	0.	0.	15.	53.	72.	
125	0.	0.	4.	28.	40.	11.7
130	0.	0.	0.	15.	23.	
135	0.	0.	0.	12.	15.	3.8
140	0.	0.	0.	8.	8.	
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	1028.	17.4	25.0	90-120	325.	5.5	7.9
0- 40	1666.	28.2	40.5	90-130	337.	5.7	8.2
0- 60	2845.	48.2	69.1	90-150	341.	5.8	8.3
0- 90	3775.	64.0	91.7	90-180	341.	5.8	8.3
TOTAL LUMINAIRE = 0-180					4116.	69.8	100.0

IES SPACING CRITERIA: END= 1.2 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.

BALLABS CERTIFIED TEST REPORT NO.: 14521.0 DATE 03/17/09
 PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
 DESCRIPTION: 2/32W T8 LAMP 52x7x6" SUSPENDED ENCLOSED/GASKETED LUMINAIRE
 SPECULAR REFLECTOR w/CLEAR LINEAL RIBBED ACRYLIC DROP LENS
 SYLVANIA BALLAST #QTP2x32T8/UNV ISH-SC WATTS=66 REFL=88%
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 LAMP TYPE : F32T8/835/RS RATED LUMENS 2950. NBR. LAMPS:- 2

LUMINANCES-CD/SQ-M
HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	5215.	4439.	4601.
55	4676.	3863.	3960.
65	3729.	2980.	3623.
75	2518.	2549.	3558.
85	1507.	2520.	4448.

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	.50	.30	.10	.50	.30	.10
RCR																																						
0	.82	.82	.82	.82	.79	.79	.79	.79	.74	.74	.74	.70	.70	.70	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	.66
1	.74	.71	.68	.65	.72	.69	.66	.63	.65	.62	.60	.61	.59	.57	.57	.56	.55	.53	.52	.51	.51	.50	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48
2	.68	.62	.57	.53	.65	.60	.56	.52	.57	.53	.50	.54	.51	.48	.51	.48	.46	.44	.43	.42	.42	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41	.41
3	.62	.55	.49	.45	.60	.53	.48	.44	.50	.46	.42	.48	.44	.41	.45	.42	.40	.38	.37	.36	.36	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35
4	.57	.49	.43	.38	.55	.47	.42	.38	.45	.40	.36	.43	.39	.35	.41	.37	.34	.33	.32	.31	.31	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30
5	.52	.43	.37	.32	.50	.42	.36	.32	.40	.35	.31	.38	.34	.30	.36	.32	.29	.28	.27	.26	.26	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25
6	.48	.39	.33	.28	.46	.38	.32	.28	.36	.31	.27	.34	.30	.26	.33	.29	.26	.24	.23	.22	.22	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21
7	.44	.35	.29	.25	.43	.34	.28	.24	.32	.27	.24	.31	.26	.23	.29	.26	.23	.21	.20	.19	.19	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18	.18
8	.41	.31	.25	.21	.39	.31	.25	.21	.29	.24	.21	.28	.23	.20	.27	.23	.20	.18	.17	.16	.16	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15
9	.38	.28	.22	.19	.36	.28	.22	.18	.26	.21	.18	.25	.21	.17	.24	.20	.17	.15	.14	.13	.13	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12
10	.35	.26	.20	.16	.34	.25	.20	.16	.24	.19	.16	.23	.19	.16	.22	.18	.15	.13	.12	.11	.11	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES